ACADEMIC FOUNDATION PROGRAMME RECRUITMENT
Programmes Commencing August 2016

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Date of publication: 7 August 2015

www.stfs.kss.hee.nhs.uk/tfs-academic-foundation-programme-recruitment
Email: tfsacademicrecruitment@stfs.org.uk
INTRODUCTION

The UK Foundation Programme Office (UKFPO) has published guidance for applicants to the 2016 Academic Foundation Programme (AFP) containing comprehensive details on this year’s application process plus a timeline showing key dates.

Applications to AFP 2016 will be submitted at the same time as Foundation Programme (FP) 2016 applications and will comprise the standard application form, plus supplementary information required by Academic Units of Application (AUoAs). Successful AFP applicants will receive offers from AUoAs in advance of the allocation for FP places. Successful AFP applicants who accept an offer cannot be included in the FP allocation. Unsuccessful AFP applicants, or those who decline all offers, will be included automatically in the FP allocation. The national application process is complete once all applicants have been allocated to a UoA, or when all available places have been filled (please see the UKFPO link below for more detailed information).

Recruitment to AFP 2016 is in two stages:

Part 1 will commence with a standard national application form, plus supplementary information required by AUoAs, which prospective applicants must submit online between 5 October 2015 and 16 October 2015 (by 12 noon).

Applying to the national AFP 2016 recruitment round:

1. Check your eligibility
2. Register and enrol online
3. Complete the generic online application form

Applicants will be issued with a reference number, which is a specific number assigned to each applicant when they enrol on the national online recruitment system.

Please note that late applications will not be accepted under any circumstances. You should submit your application a few days before the deadline to avoid any last minute problems with your internet connection or your local PC.

Part 2 – applicants will undertake a locally-managed short listing and selection process between 19 October 2015 and 15 January 2016.

This document outlines the local process to be used by applicants applying to Academic Foundation Programmes within the Thames Foundation Schools.

For further information on the AFP 2016 application process, please go to the Academic section of the UKFPO website and download the FP/AFP 2016 Applicant’s Handbook.

Full details are available at http://www.foundationprogramme.nhs.uk/pages/academic-programmes/how-to-apply
Please note: In order to meet the eligibility criteria for an Academic Foundation Programme for 2016 entry, you must either have qualified or are expecting to qualify from a UK medical school between 3 August 2014 and 2 August 2016; or you must complete an online Eligibility application form and submit the required documentation by post to the UKFPO’s Eligibility Office between 13 July 2015 and 12 noon (BST) 12 August 2015. See http://www.foundationprogramme.nhs.uk/pages/medical-students/faqs for full details.

**Online application process**

Whether applicants are applying for the Foundation Programme (FP) or the Academic Foundation Programme (AFP), they must complete the same application process during the same two week period. The application form is divided into nine sections: Personal, Qualifications, Clinical Skills, Equal Opportunities, References, Educational Achievements, UoA Preferences, Academic Selection and Declarations. Each section is accessed from a list displayed in the right hand menu on FPAS as follows:

<table>
<thead>
<tr>
<th>Key</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Actions required by all applicants applying for a Foundation Programme</td>
</tr>
<tr>
<td></td>
<td>Actions required by applicants submitting an application form to the Thames Foundation Schools AUoA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Personal Details</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>See FP/AFP 2016 Applicant’s Handbook – page 8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Qualifications</strong></th>
</tr>
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<tbody>
<tr>
<td>See FP/AFP 2016 Applicant’s Handbook – page 9</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th><strong>Clinical Skills</strong></th>
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<tbody>
<tr>
<td>See FP/AFP 2016 Applicant’s Handbook – page 10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Equal Opportunities</strong></th>
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<tbody>
<tr>
<td>See FP/AFP 2016 Applicant’s Handbook – page 10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>References</strong></th>
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</thead>
<tbody>
<tr>
<td>See FP/AFP 2016 Applicant’s Handbook – page 11</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Educational Achievements</strong></th>
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<tbody>
<tr>
<td>See FP/AFP 2016 Applicant’s Handbook – page 14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>UoA Preferences</strong></th>
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<tbody>
<tr>
<td>See FP/AFP 2016 Applicant’s Handbook – page 21</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Academic Selection</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicants are able to choose a maximum of two AUoAs</td>
</tr>
<tr>
<td>See FP/AFP 2016 Applicant’s Handbook – page 23</td>
</tr>
<tr>
<td>See page 7 below for submitting an academic application to the Thames Foundation Schools AUoA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Additional Information (AFP – Thames Foundation Schools)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>See FP/AFP 2016 Applicant’s Handbook – page 24</td>
</tr>
<tr>
<td>See page 12 below for submitting an academic application to the Thames Foundation Schools AUoA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Academic Programme Preferences (AFP – Thames Foundation Schools)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>See FP/AFP 2016 Applicant’s Handbook – page 24</td>
</tr>
</tbody>
</table>
See page 12 below for submitting an academic application to the Thames Foundation Schools AUoA

<table>
<thead>
<tr>
<th>Declarations</th>
</tr>
</thead>
<tbody>
<tr>
<td>See FP/AFP 2016 Applicant’s Handbook – page 25</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Preview Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>See FP/AFP 2016 Applicant’s Handbook – page 25</td>
</tr>
</tbody>
</table>

| Delete Application |

<table>
<thead>
<tr>
<th>Submit Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>See FP/AFP 2016 Applicant’s Handbook – page 25</td>
</tr>
</tbody>
</table>

THAMES FOUNDATION SCHOOLS ACADEMIC UNIT OF APPLICATION

North Central Thames, North East Thames, North West Thames and South Thames Foundation Schools have joined together to form the Thames Foundation Schools Academic Unit of Application (UoA) for the purpose of recruiting to Academic Foundation Programmes commencing in August 2015.

The Thames Foundation Schools (TFS) are affiliated to seven medical schools/universities which together offer a total of 126 Academic Foundation Programmes:

<table>
<thead>
<tr>
<th>Medical School/University</th>
<th>Foundation School</th>
<th>No. of Programmes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barts and the London School of Medicine &amp; Dentistry (BQML)</td>
<td>NETFS</td>
<td>27</td>
</tr>
<tr>
<td>Brighton and Sussex Medical School (BSMS)</td>
<td>STFS</td>
<td>18</td>
</tr>
<tr>
<td>Imperial College London (IMP)</td>
<td>NWTFS</td>
<td>27</td>
</tr>
<tr>
<td>King’s College London GKT School of Medical Education (KCL)</td>
<td>STFS</td>
<td>18</td>
</tr>
<tr>
<td>St George’s University of London (SGUL)</td>
<td>STFS</td>
<td>12</td>
</tr>
<tr>
<td>University College London (UCL)</td>
<td>NCTFS</td>
<td>21</td>
</tr>
<tr>
<td>University of Surrey</td>
<td>STFS</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td></td>
<td><strong>126</strong></td>
</tr>
</tbody>
</table>

Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.

Details of both the Thames Foundation Schools Academic UoA application process and the programmes available are given below and are also available at: [http://www.stfs.kss.hee.nhs.uk/tfs-academic-foundation-programme-recruitment](http://www.stfs.kss.hee.nhs.uk/tfs-academic-foundation-programme-recruitment)
## TFS APPLICATION PROCESS

### Timeline

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 June 2015</td>
<td>Publication of FP 2016 application round information on the UKFPO website including FP2016 Applicant's Handbook and the academic eligibility process and documentation</td>
</tr>
<tr>
<td>24 August 2015</td>
<td>AFP programme details available to view online on the Foundation Programme Application System (FPAS)</td>
</tr>
<tr>
<td>28 September 2015</td>
<td>Applicants to register and confirm on FPAS at <a href="http://www.foundationprogramme.nhs.uk">www.foundationprogramme.nhs.uk</a></td>
</tr>
<tr>
<td>05 October 2015</td>
<td>On-line application process opens for both FP and AFP</td>
</tr>
<tr>
<td>16 October 2015</td>
<td>On-line application process closes at 12.00 noon (BST)</td>
</tr>
<tr>
<td>13 November 2015</td>
<td>Applicants notified of outcome of application to TFS</td>
</tr>
<tr>
<td>17 November 2015</td>
<td>Deadline for applicants invited to interview to book an interview slot (by 12:00 noon)</td>
</tr>
<tr>
<td>1 December 2015</td>
<td>TFS Interviews – (hosted by BQML)</td>
</tr>
<tr>
<td>10 December 2015</td>
<td>TFS Interviews - (hosted by Imperial)</td>
</tr>
<tr>
<td>15 December 2015</td>
<td>TFS Interviews – (hosted by UCL)</td>
</tr>
<tr>
<td>16 December 2015</td>
<td>TFS Interviews – (hosted by SGUL)</td>
</tr>
<tr>
<td>17 December 2015</td>
<td>TFS Interviews - (hosted by BSMS)</td>
</tr>
<tr>
<td>07 January 2016</td>
<td>TFS Interviews – (hosted by KCL)</td>
</tr>
<tr>
<td>20 January 2016</td>
<td>National offer date - applicants notified of outcome of applications by FPAS (from 09.00)</td>
</tr>
<tr>
<td>22 January 2016</td>
<td>Deadline for applicants to accept or decline offer(s) (by 12:00 noon)</td>
</tr>
<tr>
<td>27 January 2016</td>
<td>AFP first cascade offers date (from 09.00)</td>
</tr>
<tr>
<td>29 January 2016</td>
<td>Deadline for applicants to accept or decline offer(s) (by 12:00 noon)</td>
</tr>
<tr>
<td>03 February 2016</td>
<td>AFP second cascade offers date (from 09.00)</td>
</tr>
<tr>
<td>05 February 2016</td>
<td>Deadline for applicants to accept or decline offer(s) (by 12:00 noon)</td>
</tr>
<tr>
<td>10 February 2016</td>
<td>AFP third cascade offers date (from 09.00)</td>
</tr>
<tr>
<td>12 February 2016</td>
<td>Deadline for applicants to accept or decline offer(s) (by 12:00)</td>
</tr>
<tr>
<td>15 - 17 February 2016</td>
<td>Final offers made</td>
</tr>
<tr>
<td>18 February 2016</td>
<td>Applicants informed of their ranking</td>
</tr>
<tr>
<td>18 - 25 February 2016</td>
<td>Submission of appeals regarding academic applications to TFS to be received</td>
</tr>
<tr>
<td>03 March 2016</td>
<td>FP primary list allocation</td>
</tr>
<tr>
<td>18 March 2016</td>
<td>Deadline for TFS academic appeals process to have been completed</td>
</tr>
</tbody>
</table>
TFS Person Specification

Applicants for TFS Academic Foundation Programmes will be required to meet the criteria listed in the person specification (see Appendix A).

In addition to meeting the criteria laid out in the UKFPO FP/AFP 2016 person specification applicants applying to TFS will also be required to demonstrate the following desirable criteria:

The applicant should provide evidence of consistent high academic achievement, for example:
- 1st class honours for a BSc
- Distinctions, merits or equivalent throughout undergraduate medical programme
- Peer reviewed publication/s

Thames Foundation Schools also require applicants to be able to demonstrate they have the following academic attributes. This will be tested via the application form and during interview.
- An understanding of the principles of ethical medical research
- An understanding of the importance of effective teaching

Academic Selection

Applicants are able to choose a maximum of two AUoAs
See FP/AFP 2016 Applicant’s Handbook – page 23
See specific details below for submitting an academic application to the Thames Foundation Schools AUoA

Applicants will be required to enter details of supplementary information they wish to record in the Academic Selection. This will include further degrees and additional educational achievements i.e. peer reviewed publications, presentations and educational prizes.

Applicants may be asked to submit evidence of their additional educational achievements as part of the TFS recruitment process. Submitted evidence must clearly demonstrate what the achievement is, what it was awarded for and from whom it was given. Applicants are encouraged to ensure that evidence of achievements are up to date and available for them to supply to TFS if requested.

Applicants are reminded that when completing the Academic Selection of the application form the information they include about further degrees and additional educational achievements should be over and beyond the information they have already recorded in the Educational Achievements section (i.e. the information should not be duplicated).
Scoring Criteria for Academic Selection
Supplementary information will be scored by TFS using the following local scoring criteria:-

A  Further Degrees  
Score 0 - 5  

Please note that further degrees will be scored by TFS using the same criteria as defined by the UKFPO in the FP/AFP 2015 Applicant’s Handbook.

Please note that if you are also applying to another AUoA their scoring criteria for this section may be different to TFS.

<table>
<thead>
<tr>
<th>Points (max - 5)</th>
<th>Degree Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>- Primary Medical Qualification only</td>
</tr>
<tr>
<td></td>
<td>- 3rd class BMedSci awarded at University of Nottingham</td>
</tr>
<tr>
<td>1</td>
<td>- 3rd class honours degree</td>
</tr>
<tr>
<td></td>
<td>- Unclassified honours degree</td>
</tr>
<tr>
<td></td>
<td>- 2.2 class BMedSci awarded at University of Nottingham</td>
</tr>
<tr>
<td>2</td>
<td>- 2.2 class honours degree</td>
</tr>
<tr>
<td></td>
<td>- 2.1 class BMedSci awarded at University of Nottingham</td>
</tr>
<tr>
<td></td>
<td>- MPharm pass</td>
</tr>
<tr>
<td>3</td>
<td>- 2.1 honours degree</td>
</tr>
<tr>
<td></td>
<td>- 1st class BMedSci awarded at University of Nottingham</td>
</tr>
<tr>
<td></td>
<td>- MPharm Merit</td>
</tr>
<tr>
<td>4</td>
<td>- Postgraduate Masters degree</td>
</tr>
<tr>
<td></td>
<td>- 1st class honours degree</td>
</tr>
<tr>
<td></td>
<td>- Bachelor of Dental Surgery (BDS)</td>
</tr>
<tr>
<td></td>
<td>- Bachelor Veterinary Medicine (B Vet Med)</td>
</tr>
<tr>
<td></td>
<td>- MPharm Distinction</td>
</tr>
<tr>
<td>5</td>
<td>- Doctoral degree (PhD, DPhil, etc)</td>
</tr>
</tbody>
</table>

Notes:
- The BMedSci honours degree awarded by the University of Nottingham is integrated during the five-year BMBS and is therefore awarded fewer points.
- Honours degrees are any type of undergraduate honours degrees with a classification e.g. BSc, BEng.
- Honours MA degrees, including those from some Scottish Universities, are undergraduate degrees and therefore classed as honours degrees, not Masters degrees.
- Honours degrees from Oxford and Cambridge can be converted to a Masters degree after a period of time, but these do not require a further year of study and are therefore classed as honours degrees and not Masters degrees.
- Some international medical schools (e.g. the USA) award an ‘MD’ or similar as part of their basic medical qualifications. This qualification does not attract any additional points in this section.
• Points for a postgraduate Masters degree can only be awarded where the degree represents a further year of study taken in addition to an undergraduate degree (whether as an intercalation or other), and there is an entry requirement of a previous degree or equivalent.

• MPharm – In consultation with the Pharmacy Regulation Organisation, it has been agreed that any applicant who is awarded an M. Pharm which does not have the standard undergraduate classification will be awarded the following points:
  o 2 = MPharm Pass
  o 3 = MPharm Merit
  o 4 = MPharm Distinction

• Ph. D/M.Phil – Points will only be awarded if the whole process has been completed. Therefore, if there is a requirement for minor modifications or changes, these must have been completed and accepted by 16 October 2015.

• If you have undertaken an exchange programme of study as part of a degree course or are a graduate from an overseas university where they provide Grade Point Average (GPA) points – the following procedure must be used:

You must take the cumulative (i.e. all years) grade point average (GPA) and calculate the equivalent degree level and select the most appropriate. The evidence you provide MUST show the cumulative GPA and specify on what scale your degree was scored, otherwise you will be awarded zero points.

For a 4-point scale:
• a GPA of 3.6 – 4 should be scored as equivalent to a 1st class degree;
• a GPA of 3 or more but less than 3.6 is a 2.1;
• a GPA of 2 or more but less than 3 is a 2.2; and
• a GPA of 1 or more but less than 2 is a 3rd class degree.

For a 5-point scale:
• a GPA of 4.4 – 5 should be scored as equivalent to a 1st class degree;
• a GPA of less than 4.4 but 3.8 or more is a 2.1;
• a GPA of less than 3.8 but 3 or more is a 2.2; and
• a GPA of 2.9 or lower is a 3rd class degree.

If the scale is not a 4- or 5-point scale, or is provided as a percentage, or a grade, then you must get your score officially calculated using a company such as NARIC.

B Additional Educational Achievements Score: 0 – 15
Please note the TFS scoring criteria is different from that defined by the UKFPO in the FP/AFP 2016 Applicant’s Handbook. Please read details below carefully.

Please note that if you are also applying to another AUoA their scoring criteria for this section may be different to TFS.
Publications and presentations

<table>
<thead>
<tr>
<th>Points for each</th>
<th>Scoring Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Original research paper published in a peer-reviewed journal</td>
</tr>
<tr>
<td>1</td>
<td>Oral or poster presentation at a national or international conference</td>
</tr>
</tbody>
</table>

Maximum of 10 points available in total

Case study
Adam listed 1 original research paper, 2 oral presentations and 3 poster presentations on his application form. He received a total of 7 points made up as follows:
1 x research paper = 2 points (2 points for each)
2 x oral presentations = 2 points (1 point for each)
3 x poster presentations = 3 points (1 point for each)

Notes:
1. Publications
   - The publication must be peer reviewed.
   - TFS will only award points for peer reviewed papers with a PubMedID (PMID). Please note the PubMedID field is mandatory for TFS applications.
   - Publications which are ‘in press’ will count if the journal has an NLM unique ID number – these are available at [http://www.nlm.nih.gov/bsd/aim.html](http://www.nlm.nih.gov/bsd/aim.html).
     - Please clearly state “in press” in the ‘year/volume’ field of the application form.
     - Please clearly state the NLM unique ID number in the publication title field i.e. title of publication – NLM ID [insert number].

Case study
Charlie had a research paper published in the student BMJ. No points were awarded as this is not a peer reviewed journal and the paper did not have a PMID number.

2 Presentations
   - The oral or poster presentation must be given at a national or international conference organised by a recognised medical, professional or educational body. Conferences organised by the BMA, students and/or trainees and their organisations will not count.
   - National means that the level of organisation is Scotland, England, Wales, Northern Ireland or another country.
   - The poster or oral presentation must describe the applicant’s academic work.
   - The applicant must be a named author on the presentation.
   - The presentation must have been accepted or taken place before the close of the application period (16 October 2015).
   - Local presentations given as part of the applicants degree course or as extra curricular activities do not count.

NB: If an applicant has submitted the same presentation, either oral or poster (i.e. the same piece of work) to more than one conference the presentation shall be awarded only 1 point in total. 2 points may be awarded if an oral presentation has the same title as a poster presentation.
Case Studies
Jessica had given a poster presentation to the British Association of Plastic Reconstructive & Aesthetic Surgery Scientific meeting. 1 point was awarded.

Louise had given a poster presentation entitled “Role of Foundation Doctor in Paediatrics” to the 3rd Annual Children & Young People’s Conference and also to the Royal College of Paediatrics. 1 point was awarded.

Rob had given a poster presentation entitled “Mitochondrial Dysfunction and Liver disease” to the British Society of Gastroenterology and also given an oral presentation entitled “Mitochondrial Dysfunction and Liver disease” to the European Association for the Study of the Liver”. 2 points were awarded.

Distinctions, Merits and/or Scientific/Medical first prizes

<table>
<thead>
<tr>
<th>Points for each</th>
<th>Scoring Criteria</th>
</tr>
</thead>
</table>
| 1               | Distinctions, Merits and/or Scientific/Medical first prizes;  
|                 | • at undergraduate/medical school (pertaining to applicant’s medical education including intercalated BScs, but not degrees undertaken prior to entering medicine)  
|                 | • national level  
|                 | • international level |

Maximum of 5 points available in total

Notes

3 Distinctions, Merits and/or Scientific/Medical Prizes
- Distinctions and merits must have been awarded during undergraduate/medical school (pertaining to applicant’s medical education including intercalated BScs, but not degrees undertaken prior to entering medicine).
- The prize must be an undergraduate/medical school, national or international educational prize (pertaining to applicant’s medical education) awarded by an organisation that is not student or trainee-led and must be a FIRST PRIZE. Second or third prizes, or honourable mentions, do not qualify for points in this section.
- National means that the level of organisation is Scotland, England, Wales, Northern Ireland.
- A prize is awarded for academic achievement rather than for an activity. Applicants must:
  - State the name of the prize
  - Provide full detail of what the prize is awarded for, including how it was won.

The following are eligible for points:
- Scholarships awarded for educational achievements
- Nationally awarded funding for research project, or any other funding grant

The following are not eligible for points:
- Bursaries
- Elective awards
Case studies

Bernadette was awarded a prize for best dissertation in virology. 1 point was awarded.

Sagda was awarded a certificate of merit for being a student representative. No points were awarded.

Additional Information (AFP – Thames Foundation Schools)

See FP/AFP 2016 Applicant’s Handbook – page 24
See specific details below for submitting an academic application to the Thames Foundation Schools AUoA

Applicants will not be required to upload a CV.

Applicants will be required to complete 4 ‘white space’ questions.

Academic Programme Preferences (AFP – Thames Foundation Schools)

See FP/AFP 2016 Applicant’s Handbook – page 24
See specific details below for submitting an academic application to the Thames Foundation Schools AUoA

Applicants will be required to rank the academic programmes for TFS before they submit their application. Applicants are strongly recommended to positively rank all programmes. If there are programmes that they are not prepared to accept offers for they must zero ‘0’ rank them. However, applicants should consider this carefully since not positively ranking many may affect their chances of being offered an academic programme.

The Thames academic foundation programmes were extremely popular last year with 80% of programme offers being filled in the first allocation round.

Case study

If Abdol only positively ranks 10 programmes and all 10 programmes are offered to and accepted by applicants who have scored higher, Abdol will not receive an offer.

Abdol would only receive an offer in the next allocation round for one of his 10 ranked programmes if one of the higher scoring applicants had declined the programme they had been offered.

Unfortunately for Abdol all of his ranked programmes were filled in the first allocation round and Abdol did not receive an offer of an academic programme.

Long Listing

TFS applicants with a relatively low EPM score compared with other TFS applicants will not have their application scored. The EPM cut off point will be determined by
the number of applications to Thames Foundation Schools (TFS) and the corresponding scores of all applications received.

For example, for the August 2015 recruitment process:
- TFS received 656 applications
- EPM cut off was scores of 42 and below
- 495 applicants scored above the cut off
- 161 applicants scored below the cut off

However please note this is not a predictor of what this year's cut off may be.

Case study
John is in the 2nd quartile at his local medical school. TFS receives a large number of applications from students in the 1st quartile of their local medical school. John’s EPM score compared to the other applicants is in the bottom quartile of all TFS applicants. John’s application may, therefore, not be progressed further.

If an applicant submits an appeal against their validated EPM score and the appeal results in a change to their EPM score, the application will be reviewed and processed accordingly.

Application scoring

Application forms will be divided into sections which will be scored by a panel of two people using standardised scoring criteria (see above). All sections, except the further degree section will be scored by at least one clinician.

Members of the scoring panel will not have access to the personal details or programme preference sections of your application form.

Once the application scoring process has been completed, TFS will issue an e-mail on the 13 November 2015, notifying TFS applicants of the status of their application. This will be either:
- An invitation to interview
- Notification that they are on the reserve list for invitation to interview
- Notification that their application has been unsuccessful.

Interviews

TFS will be holding six interview sessions as follows:

<table>
<thead>
<tr>
<th>Date</th>
<th>Interview Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 December 2015</td>
<td>TFS Interviews – (hosted by BQML)</td>
</tr>
<tr>
<td>10 December 2015</td>
<td>TFS Interviews – (hosted by Imperial)</td>
</tr>
<tr>
<td>15 December 2015</td>
<td>TFS Interviews - (hosted by UCL)</td>
</tr>
<tr>
<td>16 December 2015</td>
<td>TFS Interviews - (hosted by SGUL)</td>
</tr>
<tr>
<td>17 December 2015</td>
<td>TFS Interviews – (hosted by BSMS)</td>
</tr>
<tr>
<td>07 January 2016</td>
<td>TFS Interviews – (hosted by KCL)</td>
</tr>
</tbody>
</table>

The TFS interview ratio for academic foundation programmes is usually 2:1 e.g. TFS has 126 AFPs and will aim to offer at least 252 interview places.

Applicants invited to interview will be required to log onto FPAS to book an interview slot. These will be allocated on a first come first served basis. Applicants invited to
interview will be required to schedule their interview by 12:00 noon on Tuesday 17 November 2015. It will be assumed that applicants who do not schedule their interview by this deadline have declined the offer of an interview and will be withdrawn from the TFS process.

The site at which applicants are interviewed will have no bearing on the outcome of their application.

Please note that interviewers will not be issued with applicants’ programme preferences so your choice of programme/interview session will not affect your application.

Telephone/Skype Interviews
TFS will not be offering telephone or Skype interviews for the 2016 recruitment round as the interview is an OSCE style which it is very difficult to replicate over the telephone or on Skype.

This means that it will be necessary for applicants to attend for an interview if they wish to be considered for one of the TFS academic programmes.

TFS is offering six interview dates across December 2015 and January 2016 in order to be as flexible as possible.

Attending an interview
Applicants attending an interview will be required to bring:
- One form of photo ID (e.g. driving licence, passport, medical student ID badge etc) in order to confirm their identity.
- Applicants should NOT bring their portfolios with them as there will be no facility to review them at the interview.
  (However please see pages 7 and 17 for further information about supporting evidence which applicants may be required to provide).

Interview process
The interview process will last approximately an hour and will take the following format:

<table>
<thead>
<tr>
<th>Step</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration and identity checks</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Review of abstract and clinical scenario</td>
<td>30 minutes</td>
</tr>
<tr>
<td>Panel 1 interview (either clinical or academic – order to be notified on the day)</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Break</td>
<td>5 minutes</td>
</tr>
<tr>
<td>Panel 2 interview (either clinical or academic – order to be notified on the day)</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Completion of evaluation questionnaire/submission of travel expense form</td>
<td>5 minutes</td>
</tr>
</tbody>
</table>

Applicants are advised to arrive promptly at their scheduled time. Applicants who arrive after their scheduled time will not be allowed to take part in the interview process unless there are extenuating circumstances, which will be at the discretion of the local academic lead/director.

NB: Different rooms may be used for each part of the interview process. Applicants are advised that timings include transfer times between rooms.
The interview

The interview will be divided into two sections with different panels, each lasting 10 minutes, one addressing clinical issues and the other academic. Each panel will consist of two members. At least one clinician will sit on the clinical panel and one academic on the academic panel.

Applicants will be issued with a clinical scenario and an abstract from a major general/specialist journal. See appendix D for an example of each. The clinical scenario will form part of the clinical interview and the abstract part of the academic interview. Applicants are not allowed to look at or refer to magazines, notes or electronic equipment once documentation has been issued. Applicants will have a total of 30 minutes to consider the scenario and abstract before they begin their interview.

During their two-year foundation programme, appointed candidates will have to achieve all standard Foundation competences in less clinical time, as they will also be undertaking academic activities. This makes it important that they already possess good clinical skills and hence the inclusion of both academic and clinical components within the interview process.

Applicants who receive an exceptionally low score in their clinical interview will not be deemed appointable and will not be offered an academic programme. If a significant patient safety concern is identified throughout the course of the interview, the concern will be fed back to the applicants’ medical school in order for them to consider whether an applicant may need additional support.

Interview travel expenses

The expense claim form and full guidance on claiming travel expenses are available from http://www.stfs.kss.hee.nhs.uk/tfs-academic-foundation-programme-recruitment. There is a usual maximum reimbursement limit of £150. Applicants should note that prior authorisation is required for travel by road and for overnight accommodation. Requests should be made in writing, stating provisional expense, via email to: tfsacademicrecruitment@stfs.org.uk. TFS reserves the right to reject travel expense claims if a cheaper method of transport is available.

Matching to Programmes

A combination of application score and interview score will be added to the applicants’ EPM score to provide an overall TFS ranking score for each application.

Applicants will be matched to specific programmes on the basis of their score and preferences i.e. applicants with the highest scores will be matched to their preferences first.

SJT scores will not be included in the calculation of the applicants’ TFS application score but all TFS academic programme offers will be subject to satisfactory SJT scores. Applicants with an exceptionally low EPM score will be notified by the UKFPO that they have been withdrawn from the national application process.

Application Outcomes

All applicants will be contacted by e-mail on 20 January 2016 to inform them that their application results are available on FPAS. This will be either an offer of a
programme, notification that they are on the reserve list or notification that they have not been successful. Applicants who have received an AFP offer must accept or decline the offer on FPAS within **two working days** of receiving it i.e. by 12.00 noon on 22 January 2016. Failure to do so on FPAS by the deadline will result in the offer being withdrawn.

NB: Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.

If an applicant accepts a TFS academic foundation programme as part of the allocation process, it will not be possible to change the allocated academic F2 post.

**Cascade Process**

Following the acceptance period, if places are still available a cascade process will take place, between 27 January 2016 and 12 February 2016, whereby TFS will offer unfilled places to the next highest scoring applicant available who has not yet accepted an AFP elsewhere. During the cascade process applicants will be permitted two working days to accept or reject the offer of a programme on FPAS. After the third cascade of offers TFS will have three days (15 – 17 February 2016) to offer any remaining unfilled places to applicants still on the reserve list who have not already accepted an offer elsewhere. Applicants will be contacted by phone or e-mail. Applicants will then have a limited amount of time to accept or decline the offer.

If an applicant accepts an AFP offer at any stage during the offers process, they will automatically be excluded from the FP allocation. If an applicant does not receive an AFP offer or declines any offer(s) they receive, they will be automatically included in the FP allocation.

**Feedback**

Unfortunately, due to the number of applications TFS receives, we will be unable to provide feedback on an individual basis.

TFS will, however, issue all applicants with their TFS rankings (including the number of applications received) once the recruitment process has been completed. This will include:

- Quartile for application form
- Quartile for academic interview (if applicable)
- Quartile for clinical interview (if applicable)

**Case study**

Bob scored highly in both his EPM and application form. At the interview he also scored highly at the academic station but his score at the clinical station was very low. As academic foundation doctors will have to achieve all standard Foundation competences in less clinical time, as they will also be undertaking academic activities, Bob was therefore deemed unappointable and not offered a programme.
Appeals

Applicants cannot appeal against their score. The decisions made about their score by the application scorers/interview panels are final.

Applicants can only appeal if they think that the process discriminated against them in some way. There is an opportunity to do this at the conclusion of the process, after applicants are matched to programmes.

Appeals are not accepted during the process as applicants cannot appeal against a process which is still running.

Please refer to the appeals process in Appendix D for further information.

Offer of Employment

The AFP recruitment process is a matching process only. The offer of employment will be made by the trust on completion of satisfactory references and pre-employment checks such as CRB etc.

Once the AFP and standard FP recruitment process has been completed and all applicants have been matched to programmes, details of allocations will be forwarded to the employing trusts. Following this, successful applicants will be contacted directly by their employing healthcare organisation in order to complete all of the necessary pre-employment checks.

Probity in applications

Applicants' portfolios may be requested in order to validate evidence of their additional educational achievements as part of the TFS recruitment process and/or pre-employment checks by the employing trust.

If during the recruitment process further concerns are raised and the probity of an application is questioned, the applicant may be contacted by a senior representative of TFS to provide an explanation. When a response is received a scrutiny panel may convene and a decision made. If there is no case to answer the applicant will be able to proceed as normal. If the explanation is not satisfactory the application will be withdrawn. The applicant has a right to appeal this decision. Please refer to the appeals process in Appendix D for further information.

GENERAL INFORMATION

Start Date

F1 programmes are expected to commence on 3 August 2016.

Newly appointed F1 doctors are required to attend a period of induction/shadowing (currently 4 days including 2 days shadowing) the F1 doctor they are taking over from before the start of the Foundation Programme. Applicants will be contacted either by their allocated foundation school and/or their employer with the details of local arrangements and their required start date.
**Pay**

Junior doctors are paid on national pay scales, determined each year by the Doctors and Dentists Review Body (DDRB) after receiving evidence from the BMA and the Department of Health.

Foundation doctors should assume that all programmes carry basic salary only unless otherwise informed by the employing trust on confirmation of appointment.

Details of pay rates can be found at: http://www.nhsemployers.org/PayAndContracts/AgendaForChange/Pages/Payrates.aspx

**Travel & Relocation Expenses**

The reimbursement of travel and relocation expenses is administered by Shared Services on behalf of HE KSS, HE South London, HE North West London and HE North Central & East London. Successful applicants to a Thames Foundation Schools Academic Foundation Programme would follow this process.

Full details are available at: http://www.lpmde.ac.uk/training-programme/training-matters/relocation-and-excess-travel-claims/how-to-claim

**Programme Outcomes**

Applicants who successfully complete a two-year Academic Foundation Programme will be issued with a Foundation Achievement of Competency Document (FACD).

**Academic Career Options**

Further information is available on: http://www.medicalcareers.nhs.uk/career_options/academic_medicine.aspx
## PERSON SPECIFICATION

<table>
<thead>
<tr>
<th></th>
<th>ESSENTIAL CRITERIA</th>
<th>DEMONSTRATED BY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eligibility</strong></td>
<td>Applicants must meet the requirements set out in the UK Foundation Programme 2016 Eligibility Criteria.</td>
<td>Eligibility checking</td>
</tr>
<tr>
<td><strong>Qualifications</strong></td>
<td>The applicant must have achieved, or expect to achieve, a primary medical qualification as recognised by the General Medical Council (GMC) by the start of the UK Foundation Programme 2016.</td>
<td>Eligibility checking</td>
</tr>
<tr>
<td><strong>Clinical Knowledge &amp; Skills</strong></td>
<td>The applicant must be familiar with and be able to demonstrate an understanding of the major principles of the GMC’s <strong>Good Medical Practice (2013)</strong> including: • Knowledge, skills and performance • Safety and quality • Communication, partnership and teamwork • Maintaining trust The applicant must demonstrate an understanding of the outcomes to be achieved in the UK Foundation Programme as set out in the GMC’s <strong>The Trainee Doctor (2011)</strong>.</td>
<td>Application²/ pre-employment screening Clinical assessment <em>(where appropriate)</em></td>
</tr>
<tr>
<td><strong>Language &amp; Communication Skills</strong></td>
<td>The applicant must demonstrate skills in listening, reading, writing and speaking in English language that enable effective communication about medical topics with patients and colleagues, as set out in the GMC’s <strong>Good Medical Practice (2013)</strong>.</td>
<td>Application²/ pre-employment screening Clinical assessment <em>(where appropriate)</em></td>
</tr>
<tr>
<td><strong>Attributes</strong></td>
<td>The applicant must demonstrate: • an understanding of the importance of the patient as the central focus of care • the ability to prioritise tasks and</td>
<td>Application²/ pre-employment screening</td>
</tr>
<tr>
<td>Information and take appropriate decisions</td>
<td>Clinical assessment (where appropriate)</td>
<td></td>
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<td>------------------------------------------</td>
<td>----------------------------------------</td>
<td></td>
</tr>
<tr>
<td>• an understanding of the importance of working effectively with others</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• the ability to communicate effectively with both colleagues and patients</td>
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<td></td>
</tr>
<tr>
<td>• initiative and the ability to deal effectively with pressure and/or challenge</td>
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<td></td>
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<tr>
<td>• commitment to learning and continued professional development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• self-awareness and insight into the boundaries of their own abilities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• an understanding of the principles of equality and diversity.</td>
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</table>

<table>
<thead>
<tr>
<th>Probity</th>
<th>Application²/pre-employment screening</th>
</tr>
</thead>
<tbody>
<tr>
<td>The applicant must demonstrate appropriate professional behaviour, i.e. integrity, honesty, confidentiality as set out in the <a href="https://www.gmc-uk.org/standards/gmp">GMC's Good Medical Practice (2013)</a>.</td>
<td></td>
</tr>
<tr>
<td>By the start of the programme, the applicant must demonstrate criminal record and barring clearance at the appropriate level and complete all other pre-employment requirements according to current government legislation.</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>DESIRABLE CRITERIA FOR THAMES FOUNDATION SCHOOLS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Requirements</td>
<td>Application²/pre-employment screening</td>
</tr>
<tr>
<td>The applicant should provide evidence of consistent high academic achievement, for example:</td>
<td></td>
</tr>
<tr>
<td>• 1st class honours for a BSc AND/OR</td>
<td></td>
</tr>
<tr>
<td>• Distinctions, merits or equivalent throughout undergraduate medical programme AND/OR</td>
<td></td>
</tr>
<tr>
<td>• Peer reviewed publication/s</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attributes</th>
<th>Application²/pre-employment screening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Attributes</td>
<td></td>
</tr>
<tr>
<td>• an understanding of the principles of ethical medical research</td>
<td></td>
</tr>
<tr>
<td>• an understanding of the importance of effective teaching</td>
<td></td>
</tr>
</tbody>
</table>

¹ Please note that whenever General Medical Council documents are referenced, it is possible that revised versions will be produced after the UKFPO's information has been published. Therefore, applicants should always refer to the most up-to-date version of these publications.

² Please note that the Application includes the Situational Judgement Test (SJT)
APPENDIX B – TFS AFP PROGRAMME INFORMATION

General information

Details of individual placement descriptors (IPDs) for academic programmes at each medical school/university can be found in the following sections:

B1. Barts and the London School of Medicine and Dentistry (QMUL)
B2. Brighton & Sussex Medical School (BSMS)
B3. Imperial College Medical School & Partner Trusts (IMP)
B4. King’s College London GKT School of Medical Education (KCL)
B5. St George’s University of London (SGUL)
B6. University College London Medical School (UCL)
B7. University of Surrey

Applicants are advised that IPDs are correct at time of publishing but may be subject to change.

Programme Data

Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.

A spread sheet summarising all of the available programmes is available to download from http://www.stfs.kss.hee.nhs.uk/tfs-academic-foundation-programme-recruitment
1. INTRODUCTION

There are 9 different speciality-based Academic Foundation Programmes on offer at Barts and The London School of Medicine and Dentistry, for which there are 27 places in total.

Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.

2. DETAILS OF TRAINING PROGRAMMES

A spread sheet summarising all of the available programmes is available to download from http://www.stfs.kss.hee.nhs.uk/tfs-academic-foundation-programme-recruitment.

<table>
<thead>
<tr>
<th>Programme Reference</th>
<th>Programme Theme</th>
<th>Based at</th>
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</thead>
<tbody>
<tr>
<td>1617/BQML/01</td>
<td>Academic Public Health</td>
<td>Barts and the Royal London Hospitals</td>
</tr>
<tr>
<td>1617/BQML/02</td>
<td>Academic Public Health</td>
<td>Barts and the Royal London Hospitals</td>
</tr>
<tr>
<td>1617/BQML/03</td>
<td>Academic Public Health</td>
<td>Barts and the Royal London Hospitals</td>
</tr>
<tr>
<td>1617/BQML/04</td>
<td>Academic Research (Academic Clinical Pharmacology / Academic Critical Care)</td>
<td>Barts and the Royal London Hospitals</td>
</tr>
<tr>
<td>1617/BQML/05</td>
<td>Academic Research (Academic Clinical Pharmacology / Academic Critical Care)</td>
<td>Barts and the Royal London Hospitals</td>
</tr>
<tr>
<td>1617/BQML/06</td>
<td>Academic Research (Academic Clinical Pharmacology / Academic Critical Care)</td>
<td>Barts and the Royal London Hospitals</td>
</tr>
<tr>
<td>1617/BQML/07</td>
<td>Academic Endocrinology / Diabetes</td>
<td>Barts and the Royal London Hospitals</td>
</tr>
<tr>
<td>1617/BQML/08</td>
<td>Academic Endocrinology / Diabetes</td>
<td>Barts and the Royal London Hospitals</td>
</tr>
<tr>
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<td>Academic Endocrinology / Diabetes</td>
<td>Barts and the Royal London Hospitals</td>
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<tr>
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<td>Academic Hepatology</td>
<td>Barts and the Royal London Hospitals</td>
</tr>
<tr>
<td>1617/BQML/11</td>
<td>Academic Hepatology</td>
<td>Barts and the Royal London Hospitals</td>
</tr>
<tr>
<td>1617/BQML/12</td>
<td>Academic Hepatology</td>
<td>Barts and the Royal London Hospitals</td>
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<tr>
<td>1617/BQML/13</td>
<td>Academic Medical Oncology (with Nuclear Medicine)</td>
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<tr>
<td>Code</td>
<td>Specialty</td>
<td>Location</td>
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<tr>
<td>--------------</td>
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<td>1617/BQML/14</td>
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<tr>
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<td>Whipps Cross Hospital</td>
</tr>
</tbody>
</table>

Information can also be found at [www.netfs.org.uk](http://www.netfs.org.uk)

The Academic Foundation Programmes are based at Barts Health NHS Trust (Newham and Whipps Cross Hospitals), Barking Havering and Redbridge University Hospitals NHS Trust (Queens Hospital), or Homerton University Hospital NHS Foundation Trust for the F1 year, where you will learn basic medical and surgical skills in a busy hospital, and acquire the necessary clinical competences. The second year (F2) offers 9 posts with an academic link. These comprise 8 posts at Barts and The Royal London site, each containing an opportunity to complete a formal research project, and 1 post at the Whipps Cross site offering training in medical education.

3. **PLACEMENTS**

Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.
## Programme 1 – Academic Public Health (with Health Informatics at Farr Institute)

Reference: 1617/BQML/01  
Reference: 1617/BQML/02  
Reference: 1617/BQML/03

Individual Placement Descriptor (IPD) for the four month academic placement

Separate IPDs for clinical placements are available on foundation school website

<table>
<thead>
<tr>
<th>Type of programme</th>
<th>Academic Public Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employing trust:</td>
<td>Barts Health NHS Trust</td>
</tr>
<tr>
<td>Academic placement based at:</td>
<td>Mile End Hospital, Bancroft Road E1</td>
</tr>
</tbody>
</table>

### Brief outline of department

Trainees will work within Tower Hamlets CCG based at Mile End Hospital, Bancroft Road, E1 4DG

### Structure of academic project/what expected

Trainees will work within Tower Hamlets Primary Care Trust based at Mile End Hospital, Bancroft Road, E1. The attachment will comprise practical aspects of public health such as disease outbreak management, reducing health risk and the role of public health within the community. Direct experience will be provided in one or more of the following areas:

- An assessment of an aspect of preventable mortality, and recommendations for clinical and cost-effective interventions to reduce this.
- An evaluation of a local screening programme, e.g. cancer screening, antenatal screening, or screening for risk of diabetes, heart disease.
- The management of an outbreak of communicable disease, e.g. meningitis, food poisoning, or drug resistant TB
- The development of clinical governance including clinical audit, clinical effectiveness, and the management of serious untoward incidents.
- An equal audit - an evaluation of the extent to which a set of local services focus on those with greatest needs.

Trainees will also be taught management skills including presenting data and evidence, handling meetings, and persuading and motivating colleagues.

A choice of research project will be provided. This will comprise evidence collection, data analysis and presentation, and networking with local stakeholders. It is expected that a written report will be produced with a view to subsequent publication.

There will be an opportunity to study and research in Medical Informatics with the Director, Professor Harry Hemingway, UCL, [h.hemingway@ucl.ac.uk](mailto:h.hemingway@ucl.ac.uk) at the Farr Institute (UCL) and the Deputy Director of LSHTM (Professor Liam Smeeth, [liam.smeeth@lshtm.ac.uk](mailto:liam.smeeth@lshtm.ac.uk)).
The Farr Institute of Health Informatics Research, London is a collaboration between the Higher Education Institutions of UCL, the London School of Hygiene and Tropical Medicine and Queen Mary University of London, and the National Health Service organisations in UCLPartners and Public Health England. The Institute brings together researchers and clinicians to establish a centre of excellence in innovative health informatics research to maximise translational impact from discovery through trials to clinical practice, service delivery, patient outcomes and public health. The successful applicants will have the opportunity to work with world leading experts and gain experience in the use of applied informatics in medical research. There will be the potential to participate in a research project leading to a journal publication.

Clinical commitments during academic placement

Working Day Monday – Friday 9am – 5pm

The attachment will comprise practical aspects of public health such as disease outbreak management, reducing health risk and the role of public health within the community. The doctor will be responsible for other specific clinical duties as allocated by consultants including performing other duties in occasional emergencies and unforeseen circumstances.

Departmental academic teaching programme

Trainees will be taught management skills including presenting data and evidence, handling meetings, and persuading and motivating colleagues.

Trainees are expected to attend the structured teaching programmes provided by the department and the F2 generic teaching programme (1 day per month) as well as presenting research at academic F2 evenings (2 per year, March and June).

A program of training lectures and courses will be provided and will include training in research ethics, good research practice, grant applications and scientific writing as well as relevant training in clinical medicine and career development.

Academic Lead

Dr Somen Banerjee - Associate Director of Public Health
somen.banerjee@towerhamlets.gov.uk

Programme 2 – Academic Research (Academic Clinical Pharmacology / Academic Critical Care)

Reference: 1617/BQML/04
Reference: 1617/BQML/05
Reference: 1617/BQML/06

Individual Placement Descriptor (IPD) for the four month academic placement
Separate IPDs for clinical placements are available on foundation school website

Type of programme

Successful applicants will be able to choose between the following two Academic specialties depending on their interests and following discussions with Academic Programme Leads:
<table>
<thead>
<tr>
<th>Academic Clinical Pharmacology OR</th>
<th>Academic Critical Care</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employing Trust:</td>
<td>Academic placement based at:</td>
</tr>
<tr>
<td>Barts Health NHS Trust</td>
<td>Barts and the Royal London Hospitals</td>
</tr>
</tbody>
</table>

**Brief outline of department**

**Academic Clinical Pharmacology**
This post is based in the Clinical Trials Unit and the Department of Clinical Pharmacology at Barts and The London, Charterhouse Square campus, London EC1M

**Academic Critical Care**
The 44 bed critical care unit at the Royal London currently comprises 17 consultants with research interests in haemodynamics, immune dysfunction of critical illness, genomics, acute kidney injury and perioperative medicine.

**Structure of academic project/what expected**

**Academic Clinical Pharmacology**
This academic F2 post provides research, teaching and clinical experience, the balance depending on the individual needs and aspirations of the trainee and on opportunities available when the trainee is on attachment.

The F2 will be trained in the theoretical and practical aspects of clinical trials. Activities will include the planning of studies, through regulatory and governance issues, to recruitment and then the day-to-day care of patients within the setting of a range of clinical trials in phases 2-4. The programme will also embrace training in advanced practical methods in pharmacology/physiology such as intra-arterial infusion of drugs, arterial tonometry, and the measurement of baroreceptor reflexes (both of the latter predict cardiac outcome). Our team is multi-disciplinary, including research fellows, sister-grade nurses, administrative and technical staff.

**Academic Critical Care**
This academic F2 post provides a mixture of research and clinical experience, the balance depending on the individual needs and aspirations of the trainee, but will provide the trainee with the knowledge, skills and attitudes to reach the expected level of competency for an F2.

**Clinical commitments during academic placement**

**Academic Clinical Pharmacology**
The trainee will attend a weekly Hypertension clinic at St Bartholomew's Hospital. This is a tertiary referral service and provides an excellent opportunity to develop experience in the investigation and management of complex essential and secondary hypertension.

**Academic Critical Care**
The placement is primarily based on the critical care unit at the Royal London Hospital but opportunities are available to spend time at other critical care units within the Trust. These arrangements are flexible and will be agreed between trainee and supervisor to give the trainee the best choice of clinical and research
experience whilst facilitating their chosen research project.

Departmental academic teaching programme

**Academic Clinical Pharmacology**
Trainees are expected to attend the structured teaching programmes provided by the department and the F2 generic teaching programme (1 day per month) as well as presenting research at academic F2 evenings (2 per year March and June).

Training lectures and courses will be provided and will include training in research ethics, good research practice, grant applications and scientific writing as well as relevant training in clinical medicine and career development.

**Clinical Pharmacology and Therapeutics MBBS teaching programme**
The Department has major input to the MBBS programme. The trainee will participate in Problem Based Learning with Year 1 and/or 2 students, Clinical Pharmacology and Therapeutics (CPT) teaching during Years 3-5, on-line supervision of CPT student training modules, exam question writing, and student examinations. Activities depend on the time of year that the trainee is working in CPT and a separate outline is provided on arrival.

**Academic Critical Care**
Trainees will attend the structured teaching programmes provided by the department and the F2 generic teaching programme (1 day per month) as well as presenting research at academic F2 evenings (2 per year March and June). A program of training lectures and courses will be provided and will include training in research ethics, good research practice, grant applications and scientific writing as well as relevant training in clinical medicine and career development.

**Academic Leads**

**Academic Clinical Pharmacology**
Dr Patricia McGettigan - Consultant Clinical Pharmacology
p.mcgettigan@qmul.ac.uk

**Academic Critical Care**
Prof Rupert Pearse - Consultant and Professor of Intensive Care Medicine
r.pearse@qmul.ac.uk

### Programme 3 – Academic Endocrinology or Diabetes

**Type of programme**

Successful applicants will be able to choose between the following two Academic specialties (or a combination of both) depending on their interests and following discussions with Academic Programme Leads:

- Academic Endocrinology AND/OR
- Academic Diabetes

| Reference: 1617/BQML/07 |
| Reference: 1617/BQML/08 |
| Reference: 1617/BQML/09 |

Individual Placement Descriptor (IPD) for the four month academic placement
Separate IPDs for clinical placements are available on foundation school website
**Employing trust:** Barts Health NHS Trust  
**Academic placement based at:** Barts and the Royal London Hospitals

### Brief outline of department

**Academic Endocrinology**  
The Department of Endocrinology is a component of Barts and the London, Queen Mary, University of London, and is based at St Bartholomew's Hospital. The Department has a national and international reputation as a leading centre in both clinical and basic endocrine research, and is renowned for its record in all areas of clinical and experimental endocrinology. The Endocrine Unit deals with a diverse range of endocrine disorders, there is a particular interest in neuroendocrinology (pituitary tumours, prolactinomas, acromegaly, Cushing's disease, craniopharyngiomas etc), neuroendocrine tumours such as phaeochromocytomas and carcinoids, and genetic endocrine disorders.

[www.bartsendocrinology.co.uk](http://www.bartsendocrinology.co.uk)

**Academic Diabetes**  
The metabolic medicine firms at the Royal London share ward 11C. There are 8 consultants including 3 Clinical Academics who are part of Barts and the London, Queen Mary, University of London and all are active in Research and Teaching. Diabetes is one of the busiest clinical medicine disciplines and our previous Academic F2 have enjoyed especial success with their academic projects.

### Structure of academic project/what expected

**Academic Endocrinology**  
[www.whri.qmul.ac.uk/research/endocrinology](http://www.whri.qmul.ac.uk/research/endocrinology)

**Academic Diabetes**  
This academic F2 post provides a mixture of research and clinical experience, the balance depending on the individual needs and aspirations of the trainee.

Clinical experience will comprise general internal medicine with a focus on the management of diabetes, morbid obesity and hyperlipidaemia. The post holder will again be able to acquire many of the practical skills and competencies needed for the Foundation Programme. Additional opportunities include working with a computerised patient record/care system and undertaking a clinical audit.

The F2 post will give opportunities for practical experience in teaching in a variety of settings including supervising PBLs and small-group tutorials, formal teaching in theories of adult learning and of teaching methods including the Teaching the Teachers to Teach scheme, and training as a Personal Tutor, experience in communication skills, and/or research in teaching methodology.

A wide variety of research projects is available, including studies based upon small series of patients, case reports, participation in clinical physiology studies and laboratory-based projects. Departmental research interests currently include genetics of Type 2 diabetes, immunology of Type 1 diabetes, obesity, adipose tissue physiology, nutrition and prevention of Type 2 diabetes. A recurrent theme is care of ethnic minorities at high-risk of diabetes and vascular disease. Postholders will receive training in scientific method, in grant applications and research-funding, in
career planning, ethics of medical research, and statistical methods relevant to their research. Some may undertake a systematic review, analyse existing data or do pilot work for a future study. Participation in research projects will usually be based on the intention to publish e.g. as the first author of a case report or as a co-author on a multi-author laboratory-based project.

The composition of the post can be adapted to include different emphases on teaching/learning and research, and can be interfaced with other specialties. The learning needs of the individual post holder will be agreed at the start of the post.

**Clinical commitments during academic placement**

**Academic Endocrinology**  
*Working Day Monday – Friday 9am – 5pm*

The F2 doctor is responsible with other staff for the ward care of patients and the maintenance of the patient’s medical record.

**Academic Diabetes**  
*Working Day Monday – Friday 9am – 5pm*

The F2 doctor is responsible with other staff for the ward care of patients and the maintenance of the patient’s medical record.

**Departmental academic teaching programme**

**Academic Endocrinology**  
The department has an Endocrine Club Seminar, Clinical Journal Club or Clinical Audit and Research meeting every Monday.

Trainees are expected to attend the structured teaching programmes provided by the department and the F2 generic teaching programme (1 day per month) as well as presenting research at academic F2 evenings (2 per year March and June).

A program of training lectures and courses will be provided and will include training in research ethics, good research practice, grant applications and scientific writing as well as relevant training in clinical medicine and career development.

**Academic Diabetes**  
Trainees are expected to attend the structured teaching programmes provided by the department and the F2 generic teaching programme (1 day per month) as well as presenting research at academic F2 evenings (2 per year March and June).

A program of training lectures and courses will be provided and will include training in research ethics, good research practice, grant applications and scientific writing as well as relevant training in clinical medicine and career development.

**Academic Lead**

**Academic Endocrinology**  
Professor Will Drake - Consultant Endocrinologist  
w.m.drake@qmul.ac.uk
**Programme 4 – Academic Hepatology**

Reference: 1617/BQML/10  
Reference: 1617/BQML/11  
Reference: 1617/BQML/12

Individual Placement Descriptor (IPD) for the four month academic placement  
Separate IPDs for clinical placements are available on foundation school website

<table>
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<tr>
<th>Type of programme</th>
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<tr>
<td>Academic Hepatology</td>
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<th>Employing trust:</th>
<th>Academic placement based at:</th>
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<tr>
<td>Barts Health NHS Trust</td>
<td>Barts and the Royal London Hospitals</td>
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**Brief outline of department**

The Liver Unit is part of The Blizard Institute and consists of over 20 basic and clinical scientists, doctors and nurses. The Liver Unit has an interest in all aspects of liver disease with programs of research examining inflammatory liver disease, fat induced liver injury and viral hepatitis. The unit is an international centre of excellence for the management of patients with viral hepatitis and runs a large number of clinical trials as well as conducting studies in clinical service delivery and molecular virology. Given that over 600 million people worldwide are infected with either hepatitis B or hepatitis C the unit has a long-standing interest in working in the global community and we run an active clinical program in Zambia with plans for studies in Pakistan. The Liver Unit works closely with the departments of Immunology, Paediatrics and Virology and has links to other liver centres in London, including an active transplantation program with The Royal Free Hospital.

**Structure of academic project/what expected**

The post holder will join one of the clinical/academic groups and will choose an appropriate programme based on current interests. He/she will spend two full days per week developing a research project under the supervision of one of the senior academics.

**Clinical commitments during academic placement**

During the remainder of the week the post holder will work with the clinical team and assist in the management of patients with conditions relevant to the on-going research project.

**Departmental academic teaching programme**

Trainees are expected to attend the structured teaching programmes provided by the department and the F2 generic teaching programme (1 day per month) as well as presenting research at academic F2 evenings (2 per year March and June). A program of training lectures and courses will be provided and will include training in
research ethics, good research practice, grant applications and scientific writing as well as relevant training in clinical medicine and career development.

### Academic Lead

Professor Graham Foster  
g.r.foster@qmul.ac.uk

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### Programme 5 – Academic Medical Oncology (with Nuclear Medicine)

Reference: 1617/BQML/13  
Reference: 1617/BQML/14  
Reference: 1617/BQML/15

Individual Placement Descriptor (IPD) for the four month academic placement  
Separate IPDs for clinical placements are available on foundation school website

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<th>Type of programme</th>
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<tbody>
<tr>
<td>Academic Medical Oncology (with Nuclear Medicine)</td>
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<tr>
<th>Employing trust:</th>
<th>Academic placement based at:</th>
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<tbody>
<tr>
<td>Barts Health NHS Trust</td>
<td>Barts and the Royal London Hospitals</td>
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<table>
<thead>
<tr>
<th>Brief outline of department</th>
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<tbody>
<tr>
<td>Ward 5B St Bartholomews Hospital and the Centre for Molecular Oncology in Barts Cancer Institute at Charterhouse Square (<a href="http://www.bci.qmul.ac.uk">www.bci.qmul.ac.uk</a>)</td>
</tr>
</tbody>
</table>

The Dept comprises 20 Consultants all with academic appointments providing care for all solid tumour malignancies including bone marrow transplantation.

In Oncology, particular emphasis is placed upon good symptom control in patients with advanced disease, especially pain control. Additionally, trainees will learn about the management of oncological emergencies, such as spinal cord compression and hypercalcaemia, and how to recognise and manage the complications of cancer treatment, such as mucositis and neutropaenic fever.

Nuclear Medicine is based in PET Imaging Centre, St. Bartholomew's Hospital.

The department comprises consultants with research interests in nuclear imaging specifically PET/CT imaging.

<table>
<thead>
<tr>
<th>Structure of academic project/what expected</th>
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<tbody>
<tr>
<td>In conjunction with the attachment to Nuclear Medicine, trainees will be encouraged to participate in ongoing research projects, specifically related to PET/CT imaging will be strongly encouraged. The PET Centre is exploring novel molecular imaging strategies from the preclinical development to the clinical evaluation specifically related to novel treatments such as gene therapy. Trainees will be involved in data collection and analysis within these trials.</td>
</tr>
</tbody>
</table>
**Clinical commitments during academic placement**

**Working Day Monday – Friday 9am – 5pm**

The post will embrace inpatient care of patients with a wide range of solid malignancies as well as exposure to translational research in Medical Oncology. Multidisciplinary team working is of particular importance in Medical Oncology and trainees will be expected to appreciate the need for advice from other specialities, especially Palliative Care, Radiotherapy and Surgery. Expert knowledge of and prescribing of chemotherapy is not expected at F2 level.

The Nuclear Medicine training embraces the most relevant clinical, pathophysiological and scientific aspects of the specialty. Particular emphasis is placed on diagnostic and therapeutic procedures in oncology, cardiology and endocrinology. The candidate will experience the whole process from dispensing radiopharmaceuticals to obtaining, viewing and reporting of scintigraphic imaging in their clinical and radiological context. The training will specifically focus on the performance and interpretation of PET and PET/CT imaging. The trainees will have the opportunity to develop expertise in clinical indications for PET imaging, normal distribution of clinically used PET tracers, potential pitfalls, and knowledge of abnormal findings and identification of the corresponding anatomical correlate.

**Departmental academic teaching programme**

Trainees are expected to attend the structured teaching programmes provided by the department and the F2 generic teaching programme (1 day per month) as well as presenting research at academic F2 evenings (2 per year March and June).

A program of training lectures and courses will be provided and will include training in research ethics, good research practice, grant applications and scientific writing as well as relevant training in clinical medicine and career development.

**Academic Leads**

Prof Thorsten Hagemann (Interim)
[thagemann@qmul.ac.uk](mailto:thagemann@qmul.ac.uk)

Dr Michelle Lockley
[michelle.lockley@bartshealth.nhs.uk](mailto:michelle.lockley@bartshealth.nhs.uk)

Dr Hikmat Jan (until end 2016)
Consultant Nuclear Medicine
[hikmat.jan@bartshealth.nhs.uk](mailto:hikmat.jan@bartshealth.nhs.uk)

Dr Ewa Nowosinska
Consultant Nuclear Medicine
[Ewa.Nowosinska@bartshealth.nhs.uk](mailto:Ewa.Nowosinska@bartshealth.nhs.uk)
Programme 6 – Academic Neurology

Reference: 1617/BQML/16
Reference: 1617/BQML/17
Reference: 1617/BQML/18

Individual Placement Descriptor (IPD) for the four month academic placement
Separate IPDs for clinical placements are available on foundation school website

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<tr>
<th>Type of programme</th>
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<tbody>
<tr>
<td>Academic Neurology</td>
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<tr>
<th>Employing trust:</th>
<th>Academic placement based at:</th>
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<tbody>
<tr>
<td>Barts Health NHS Trust</td>
<td>Barts and the Royal London Hospitals</td>
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</tbody>
</table>

Brief outline of department

There are 16 consultant neurologists of which 3 are based primarily at Whipps Cross Hospital and 1 at Newham.

There are 10-15 dedicated neurology beds on the new neuroscience unit and 3 video-EEG telemetry beds. The adult intensive care unit deals with many neuro-emergency cases per year and there are dedicated operating theatres as part of the main theatre suite. There is also a 12 bedded hyperacute stroke unit plus a 14-bedded stroke unit situated on the third floor.

Sub-specialisation within the department includes epilepsy, stroke, movement disorders, headache, multiple sclerosis, neuro-rehabilitation and neuro-muscular/peripheral nerve/MND.

Structure of academic project/what expected

Headed by Professor Gavin Giovannoni, the internationally recognised Centre for Neuroscience and Trauma has approximately 85 research active staff and PhD students. The Centre’s strategic research is focused on five broad themes:

- trauma sciences,
- neurotrauma and neurodegenerative disorders,
- neuroimmunology,
- stem cells, regeneration and cancer and
- genomics and cancer.

The Centre’s themes have been mapped onto clinical academic units within Barts Health NHS Trust with many of its staff actively involved in clinical research, including phase 2 and 3 clinical trials. The research themes have been created with the specific aim of creating partnerships between basic scientists and clinicians to encourage translational research.

Clinical commitments during academic placement

Typical work pattern will depend on the Departmental timetable and will need to be flexible for training purposes; for example on a Thursday the trainee will be expected to attend the neuro-radiology round that starts at 8am.
Departmental academic teaching programme
Trainees are expected to attend the structured teaching programmes provided by the department and the F2 generic teaching programme (1 day per month) as well as presenting research at academic F2 evenings (2 per year March and June).

A program of training lectures and courses will be provided and will include training in research ethics, good research practice, grant applications and scientific writing as well as relevant training in clinical medicine and career development.

Academic Lead

Professor Gavin Giovannoni - Academic Lead
g.giovannoni@qmul.ac.uk

Dr Afraim Salek-Haddadi - Service Lead
afraim.salek-haddadi@bartshealth.nhs.uk

Programme 7 – Academic Psychiatry

Reference: 1617/BQML/19
Reference: 1617/BQML/20
Reference: 1617/BQML/21

Individual Placement Descriptor (IPD) for the four month academic placement
Separate IPDs for clinical placements are available on foundation school website

<table>
<thead>
<tr>
<th>Type of programme</th>
<th>Academic Psychiatry</th>
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<tr>
<td>Employing trust:</td>
<td>Academic placement based at:</td>
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<tr>
<td>Barts Health NHS Trust</td>
<td>Barts and the Royal London Hospitals and Charterhouse Square</td>
</tr>
</tbody>
</table>

Brief outline of department

The Department includes six professors. Our research interests include epidemiological psychiatry with a focus on environmental and cultural influences on mental health. We also focus on liaison psychiatry and mind-body medicine, particularly in the study and treatment of chronic fatigue syndrome, chronic pain disorders, and psycho-oncology. There is scope for forensic psychiatry and social and community psychiatry research also.

The placement is based either in the Centre for Psychiatry, Charterhouse Square or at St Bartholomew’s hospital.

Structure of academic project/what expected

This academic F2 post provides a mixture of research and clinical experience, the balance depending on the individual needs and aspirations of the trainee. Trainees who wish to focus on research would be particularly welcome.

Recent trainees have undertaken and published systematic reviews of cytokines in CFS as well as primary data papers, using already collected data, such as objective
sleep patterns in CFS and defining heterogeneity of CFS. Skills learnt have included study design, statistical analysis (e.g. systematic review methods, factor and latent class analyses) and writing for publication. Some examples of existing projects that you may join include the following:

**PACE trial:** secondary analysis papers from this trial of non-pharmacological interventions for CFS (n = 641).

**GETSET trial:** secondary analysis papers from this trial of self-help management based on exercise therapy for CFS.

**Improving quality of life of cancer survivors:** A programme (SURECAN) of research developing an integrated, multi-component therapy, including CBT, exercise therapy and vocational rehabilitation components for patients with various cancers.

**Psychosocial factors associated with impact of cancer in long-term survivors and their families.** Continuing research on the Bart's cohort of long-term haematological and maxilla-facial cancer survivors and their families and development of web-based resources to improve their well-being and quality of life.

**Improving outcome for young victims of violence attending trauma centres:** this seeks to identify risk and protective factors for adverse mental health outcomes and involvement in future violence of people injured through violence. This will particularly focus on addressing the increasing numbers of young people injured through knife and gunshot crime and the role of gang violence.

**Environmental and Cultural Psychiatry**

Research opportunities are available in environmental and cultural psychiatry including studies of adolescent mental health in relation to the regeneration around the 2012 Olympic Games and studies of the impact of transport noise on children’s cognitive functioning and health. Research on work and health include MRC funded analysis of cohort studies of life-course factors influencing extending working lives and studies of interventions with managers on reducing employee stress in the workplace. Further studies include analysis of life-course influences on adult common mental disorders. Cultural research includes the place migration, trauma, identity and discrimination, amongst other social and life events for risks of mental disorders. Suicide and self-harm prevention, and extremism and homicide. Tackling inequalities and public mental health interventions, You will have opportunities to undertake systematic reviews, trials, or observational cohort data analyses.

**Clinical commitments during academic placement**

Typically, the hours are office based. The majority of the placement will involve research work, although trainees are encouraged to continue with some relevant clinical interests that may involve attendance at regular clinics.

**Departmental academic teaching programme**

Trainees are expected to attend the structured teaching programmes provided by the department and the F2 generic teaching programme (1 day per month) as well as presenting research at academic F2 evenings (2 per year March and June).

A program of training lectures and courses will be provided and will include training
in research ethics, good research practice, grant applications and scientific writing as well as relevant training in clinical medicine and career development.

Academic Leads
Professor Kamaldeep Bhui, k.s.bhui@qmul.ac.uk
Professor Ania Korszun, a.korszun@qmul.ac.uk
Professor Stephen Stansfeld, s.a.stansfeld@qmul.ac.uk
Professor Peter White, p.d.white@qmul.ac.uk

Programme 8 – Academic General Practice

Reference: 1617/BQML/22
Reference: 1617/BQML/23
Reference: 1617/BQML/24

Individual Placement Descriptor (IPD) for the four month academic placement
Separate IPDs for clinical placements are available on foundation school website

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<tr>
<th>Type of programme</th>
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<tr>
<td>Academic General Practice</td>
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<tr>
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<tr>
<td>Barts Health NHS Trust</td>
<td>Barts and the Royal London Hospitals</td>
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<table>
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<tr>
<th>Brief outline of department</th>
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<tbody>
<tr>
<td>The placement will be located at:</td>
</tr>
<tr>
<td>Blithehale Medical Centre, 10-22 Dunbridge Street, London E2 6JA</td>
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</table>

<table>
<thead>
<tr>
<th>Structure of academic project/what expected</th>
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<tbody>
<tr>
<td>This academic F2 post provides a mixture of research and clinical experience, the balance depending on the individual needs and aspirations of the trainee.</td>
</tr>
<tr>
<td>It gives the trainee the opportunity to work with one of our well established research groups (cardiovascular disease, diabetes, domestic violence, locomotor disease, respiratory disease) alongside an experienced researcher on a small research project. Typically this will be a systematic review, a secondary analysis of an existing data set, or helping the research group to develop a research proposal. There will also be an opportunity to gain training and experience in undergraduate teaching.</td>
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<table>
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<tr>
<th>Clinical commitments during academic placement</th>
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<tr>
<td>Working Day Monday – Friday 9am – 5pm</td>
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<tr>
<td>The trainee will be required to work 2-3 days per week in the clinic setting and use the remainder of the week for research.</td>
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<tr>
<td>The clinical opportunities will provide the trainee with the knowledge, skills and attitudes to meet the competencies of an F2 doctor.</td>
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</table>
**Departmental academic teaching programme**

There will be a half day release throughout the year for formal academic training and development in general practice and public health.

Trainees are expected to attend the structured teaching programmes provided by the department and the F2 generic teaching programme (1 day per month) as well as presenting research at academic F2 evenings (2 per year March and June).

A program of training lectures and courses will be provided and will include training in research ethics, good research practice, grant applications and scientific writing as well as relevant training in clinical medicine and career development.

**Academic Lead**

Professor Trisha Greenhalgh - Academic Lead Primary Health Care  
[p.greenhalgh@qmul.ac.uk](mailto:p.greenhalgh@qmul.ac.uk)

Dr Simon Brownleader - GP Academic Supervisor  
[sbrownleader@nhs.net](mailto:sbrownleader@nhs.net)

**Programme 9 – Academic Medical Education in both Respiratory and Psychiatry Specialties**

Reference: 1617/BQML/25  
Reference: 1617/BQML/26  
Reference: 1617/BQML/27

Individual Placement Descriptor (IPD) for the four month academic placement  
Separate IPDs for clinical placements are available on foundation school website

**Type of programme**

Academic Medical Education (Respiratory Medicine)

**Employing trust:**  
Barts Health NHS Trust

**Academic placement based at:**  
Whipps Cross Hospital

**Brief outline of department**

This F2 post will form part of the Chest Team, consisting of 5 Consultants, 3 Specialist Registrars, 1 ST1, 1 ST2, 1 F2 and 6 F1s. The respiratory department has responsibility for 2 of the dedicated medical wards, and outpatient activity is centred in a purpose built Chest Clinic within the hospital grounds.

**Structure of academic project/what expected**

Trainees are expected to enrol on and successfully complete the postgraduate Certificate in Teaching and Learning (CILT) programme offered by Queen Mary University of London. Academic release will be provided accordingly. Completion of the CILT curriculum requires the participant to engage in observed teaching activities within the Trust. In addition, collaborative project work is encouraged and a number of trainees have presented their work at ASME and AMEE national conferences.
Projects can involve any aspect of medical education and are supervised by Dr Simon Quantrill and Prof Mike Roberts.

**Clinical commitments during academic placement**

This post will provide experience in Acute Respiratory and General Medicine, with responsibility for managing a wide variety of cases. The post holder will be expected to take part in a general medical on call rota.

**Departmental academic teaching programme**

The trainee will be expected to attend weekly departmental educational x-ray and clinical meetings as well as weekly generic F2 teaching sessions. Academic day release to complete the CILT programme will be provided for this part of the rotation.

**Academic Lead:**

Dr Simon Quantrill  
Simon.quantrill@bartshealth.nhs.uk

**Type of programme**

Academic Medical Education (Community Psychiatry)

**Brief outline of department**

This F2 post is in community psychiatry, based in the Community Recovery Team, Waltham Forest, under the supervision of Dr Jacob Lawrence, consultant psychiatrist. This service is run by the North East London NHS Foundation Trust, Waltham Forest Directorate. The post is based in the Larkswood Centre, Thorpe Coombe Hospital, 712, Forest Road, Walthamstow, London E17 3HP.

There are 2 other consultant psychiatrists, 2 core psychiatry / GPVTS trainees, an ST4-6 doctor, 1 Specialty Doctor and 1 Associate Specialist. There is also a large multidisciplinary team and colleagues providing administrative and secretarial support.

**Structure of academic project/what expected**

To be discussed and agreed with Dr Jacob Lawrence in keeping with the expectations of the Academic Foundation Programme and local opportunities.

**Clinical commitments during academic placement**

You will be involved in the assessment and review of patients with long term psychiatric conditions such as schizophrenia and bipolar affective disorder whose needs require the allocation of a care coordinator (nurse, social worker, OT) and the provision of a formal care plan under the terms of the Care Programme Approach (CPA).

You will gain extensive experience, supervision and training in the assessment and treatment of such patients; mental state examination; diagnosis; risk assessment and management; team working; interagency working; use of the Mental Health Act; psychopharmacology; the importance of physical health screening and care; and the
role of psychological therapy. You will be shown how good quality care encompasses medical, social and psychological dimensions.

**Departmental academic teaching programme**

Academic day release will be provided for this part of the rotation to complete the CILT programme. Release will also be given for the generic local academic programme which is held on Wednesday afternoons at the Thorpe Coombe site, Goodmayes Hospital or St Bartholomew’s Hospital.

**Academic Lead**

Dr Jacob Lawrence
Jacob.Lawrence@nelft.nhs.uk

THE MEDICAL SCHOOL AND PARTNER TRUSTS

**Barts and the London School of Medicine and Dentistry**

Barts and The London offers international levels of excellence in research and teaching while serving a population of unrivalled diversity.

Through partnership with our linked trusts - Barts Health NHS Trust, and our associated University Hospital Trusts (Homerton and Queen’s) the School’s research and teaching is informed by an exceptionally wide ranging and stimulating clinical environment.

At the heart of the School’s mission lies world class research, the result of a focused programme of recruitment of leading research groups from the UK and abroad and a £100 million investment in state-of-the-art facilities within Queen Mary University.

Research is focused on translational research, cancer, cardiac, dentistry, inflammation, endocrinology/metabolism, immunology and infectious diseases, genomics, neuroscience, gastroenterology, epidemiology and primary care.

The School is nationally and internationally recognised for research in these areas, reflected in the £40 million it attracts annually in research income. Its fundamental mission, with its partner NHS Trusts, and other partner organisations, such as CR-UK, is to ensure that that the best possible clinical service is underpinned by the very latest developments in scientific and clinical teaching, training and research.

The School is organised into the following Institutes:

- Barts Cancer Institute
- Blizard Institute of Cell and Molecular Science
- Institute of Health Sciences Education
- Institute of Dentistry
- William Harvey Research Institute
- Wolfson Institute of Preventive Medicine

The School is also home to the first Cancer Research UK Clinical Centre to be established which takes an innovative ‘molecules to patient’ approach to research.
Barts Health NHS Trust

Barts Health NHS Trust was created on 1 April 2012 following the approved merger of Barts and The London NHS Trust, Newham University Hospital NHS Trust and Whipps Cross University Hospital NHS Trust. It is one of the biggest and busiest NHS Trusts in the UK with unique opportunities available at its sites:

Whipps Cross University Hospital provides 760 beds on a single site within the London Borough of Waltham Forest.

The Newham University Hospital site in Plaistow has seen substantial investment over the past few years with new buildings and many environmental improvements. The site is caring for one of the youngest, fastest-growing and most diverse populations in the country.

Parts of Barts Health are undergoing the largest and most complex hospital redevelopment project in the world. The £1 billion programme is replacing many of the hospitals’ ageing buildings with state-of-the-art healthcare facilities to rival the best in Europe.

The Royal London Hospital and St Bartholomews Hospital alone:

- Admit over 84 000 patients a year
- Undertake over 93 000 operations a year
- Treat over 103 000 patients a year in the Accident and Emergency Department
- See over 467 000 outpatients a year
- Employ some 6000 staff

The Royal London is Britain’s biggest new hospital, providing general and specialist services to the population of east London and beyond. The historic buildings of St. Bartholomew’s, Britain’s oldest hospital, are being refurbished, alongside a major new building, creating the Cancer and Cardiac Centre of Excellence.

Bart’s Health has six Clinical Academic Groups (CAGs) which include hundreds of clinicians from each of the hospitals. The CAGs listed below include a wide range of medical, surgical and emergency specialties, many of which are recognised as being at the leading edge of progress. The quantity of acute medical cases is substantial;

- Cancer
- Cardiovascular
- Clinical support services
- Emergency Care and Acute Medicine
- Surgery
- Women’s and Children’s Health

Barts Health has continued to develop as a major centre of educational and clinical excellence. Working closely with the School of Medicine and Dentistry, the Trust provides high quality teaching to undergraduate medical and dental students during their local placements as well as providing postgraduate training. There is an extremely close working relationship between the Trust and the School of Medicine.

More information can be found at [http://www.bartshealth.nhs.uk/](http://www.bartshealth.nhs.uk/)

Barking, Havering and Redbridge University Hospitals NHS Trust

Barking, Havering and Redbridge University Hospitals NHS Trust serves a population of around 700,000, from a wide range of social and ethnic groups, making it one of the largest acute hospital trusts in England.
The trust has two main hospitals. Queen’s Hospital in Romford which opened in 2006 and King George Hospital, built in 1993. It also serves clinics across outer north east London and runs some services from Barking Hospital.

It operates two Emergency Departments at King George and Queen’s hospitals, and a full range of local hospital services. In addition, Queen’s offers a cancer centre, regional neuroscience centre and Hyper Acute Stroke Unit to provide specialist care.

More information can be found at [http://www.bhrhospitals.nhs.uk/](http://www.bhrhospitals.nhs.uk/)

**Homerton University Hospital NHS Foundation Trust**

Homerton provides hospital and community services to the people of Hackney, the City of London and beyond.

It also provides specialist care in obstetrics, neonatology, foetal medicine, fertility, laparoscopic surgery, obesity surgery, asthma and allergy treatments, HIV and neuro-rehabilitation.

It provides a wide range of adult and children’s community health services across Hackney and the City, with staff working out of 75 different sites.

The hospital has over 450 inpatient beds, an Emergency department, an intensive care unit, state-of-the-art imaging and x-ray facilities, a modern sexual health treatment centre, diabetes centre and eye screening service. Over 120,000 people attend the Emergency Department every year and it is expected that 6,000 babies are born at the hospital.

More information can be found at [http://www.homerton.nhs.uk/](http://www.homerton.nhs.uk/)
1. **INTRODUCTION**

There are currently eighteen two-year F1:F2 places on the academic training programme.

Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.

2. **DETAILS OF TRAINING PROGRAMMES**

<table>
<thead>
<tr>
<th>Programme Reference</th>
<th>Programme Theme</th>
<th>Based at</th>
</tr>
</thead>
<tbody>
<tr>
<td>1617/BSMS/01</td>
<td>Stroke &amp; Elderly Care</td>
<td>Royal Sussex County Hospital/</td>
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<tr>
<td></td>
<td></td>
<td>Princess Royal University Hospital</td>
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<tr>
<td>1617/BSMS/02</td>
<td>Haematology</td>
<td>Royal Sussex County Hospital/</td>
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<td>Princess Royal University Hospital</td>
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<tr>
<td>1617/BSMS/03</td>
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<tr>
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<td>1617/BSMS/09</td>
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<td>Princess Royal University Hospital</td>
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<tr>
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<td>Princess Royal University Hospital</td>
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<tr>
<td>1617/BSMS/13</td>
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<td>Princess Royal University Hospital</td>
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<td>1617/BSMS/14</td>
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<td>Princess Royal University Hospital</td>
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<tr>
<td>1617/BSMS/18</td>
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<td>Royal Sussex County Hospital/</td>
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<td>Princess Royal University Hospital</td>
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</table>
Both the F1 and F2 posts are based within BSUH but may be either at the Royal Sussex County Hospital, Brighton or at Princess Royal Hospital, Haywards Heath. The F1 year consists of 3 four-month clinical placements.

The F2 year comprises two 4-month clinical placements to enable the acquisition of core competencies and a 4-month dedicated academic placement. Please note all posts are subject to change depending on the needs of the service.

Trainees will meet with their supervisors during the F1 year so that they can start to plan their projects and prepare ethics applications (if required).

In addition to their academic projects, there are teaching courses organised by the Clinical Investigation Research Unit (CIRU) on Good Clinical Practice, medical statistics and how to organise research projects. The Postgraduate division at BSMS also offers workshops and short taught courses on research skills. There is an Academic Peer Mentoring Group which provides support for all academic trainees and runs a journal club. Statistical support is available if required. There is an F2 trainee representative on the Academic Training Committee. An annual Academic Plenary session has been set up for trainees to present their work and there are also opportunities to present at Grand Round.

For those interested in teaching, there is a wealth of opportunities: e.g. helping organise mock-OSCE’s for the year 5 medical students or Simulation training. The BSMS Medical Education Unit runs half and full day teaching workshops and courses.

3. PLACEMENTS

Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.

Programme 1 – Stroke/Elderly Care – based at BSMS/BSUH
Reference: 1617/BSMS/01

<table>
<thead>
<tr>
<th>Type of programme:</th>
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<tbody>
<tr>
<td>Research - The candidates have an opportunity to work in a research active environment with excellent infrastructure provided by the Clinical Research Unit of the hospital and a 50-bed stroke unit in Brighton and Haywards Heath. The focus is on stroke research and the cardiovascular system.</td>
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<table>
<thead>
<tr>
<th>Employing trust:</th>
<th>Academic placement based at:</th>
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<tbody>
<tr>
<td>Brighton and Sussex University Hospitals NHS Trust</td>
<td>Royal Sussex County Hospital/Princess Royal University Hospital</td>
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<table>
<thead>
<tr>
<th>Brief outline of department:</th>
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<tbody>
<tr>
<td>Professor C Rajkumar is the Charles Hunnisett Foundation Chair of Geriatrics and</td>
</tr>
</tbody>
</table>
Stroke Medicine. His research areas are around cardiovascular laboratory-based research into ageing process of arteries & epidemiology research into hypertension & study of risk factors in stroke and post TIA. The potential projects will investigate non-invasive ways of measuring cardiovascular risk factors in patients with stroke, diabetes, renal disease and peripheral vascular disease. These include a number of normal methods for assessing arterial stiffness, LV function and the role of sympathetic nervous system activity using 24 hour Holter, various methods for measuring arterial stiffness and ambulatory BP monitoring. The unit is well equipped to handle data and has a track record of publications in high impact journals. It also has a number of international collaborations. Academic trainees have published and presented at international conferences on a number of occasions.

The unit is part of the Kent, Surrey and Sussex local comprehensive research network, (part of NIHR) for Stroke Research. Professor Rajkumar is the academic lead for the cardiovascular division and stroke in Kent, Surrey and Sussex. The unit is part of a number of multi centre clinical studies which are on the NIHR portfolio.

<table>
<thead>
<tr>
<th>Structure of academic project/what expected</th>
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<tr>
<td>In the past few years, candidates who have held this post have ended up publishing in internationals journals, presenting at national and international meetings and have also been successful in obtaining positions for future careers in academic medicine. In addition to the potential to participate in various projects, the candidates have an opportunity to work in a research active environment with excellent infrastructure provided by the Clinical Research Unit of the hospital and a 50-bed stroke unit.</td>
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<tr>
<td>The candidates also have the opportunity to be trained in various research techniques to run clinical trials. Training in good clinical practice guidelines, use of statistical packages including SPSS, training in the use of Endnote and other research packages are also part of the process.</td>
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<thead>
<tr>
<th>Clinical commitments during academic placement</th>
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<tbody>
<tr>
<td>Limited clinical experience during one or two ward rounds per week.</td>
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<tr>
<th>Departmental academic teaching programme (if applicable)</th>
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<tbody>
<tr>
<td>Clinical teaching mainly during the above ward rounds to 3rd year medical students and teaching in 2 clinics per month.</td>
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<table>
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<tr>
<th>Academic Lead:</th>
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<tbody>
<tr>
<td>Professor C Rajkumar</td>
</tr>
<tr>
<td>01273 523360</td>
</tr>
<tr>
<td><a href="mailto:Raj.Rajkumar@bsuh.nhs.uk">Raj.Rajkumar@bsuh.nhs.uk</a></td>
</tr>
<tr>
<td><a href="http://www.bsms.ac.uk/research/our-researchers/chakravarthi-rajkumar/">http://www.bsms.ac.uk/research/our-researchers/chakravarthi-rajkumar/</a></td>
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</tbody>
</table>
**Programme 2 – Haematology – based at BSUH/BSMS**

Reference: 1617/BSMS/02

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**Type of programme:**

Research - Haematology research at BSMS is overseen by Dr Timothy Chevassut, Senior Lecturer and Director for Academic Training, who runs an active translational research programme.

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**Employing trust:**

Brighton and Sussex University Hospitals NHS Trust

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**Academic placement based at:**

Royal Sussex County Hospital/Princess Royal University Hospital

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**Brief outline of department**

Haematology research in Brighton focuses primarily on understanding the biology of leukaemia and myeloma with a view to exploring new therapeutic strategies in these disease areas. We are particularly interested in understanding the molecular mechanisms of disease in acute myeloid leukaemia with the aim of identifying novel targeted strategies in order to improve treatment outcomes. Our laboratory is based at the Medical Research Building on the Sussex University campus at Falmer which has state-of-the-art facilities. We maintain a tissue bank of patient blood and bone marrow samples and haematological cell lines and have published widely on our research. We have a number of collaborations with various other investigators in Brighton and elsewhere in the UK working in areas of epigenetics, signal transduction, genomic instability, DNA methylation and Next Generation sequencing.

Dr Chevassut also runs several clinical trials in AML and myeloma through the Clinical Investigation Research Unit at the Royal Sussex County Hospital, including phase I and II studies. There are five other haematology consultants who collectively manage a busy level 2 haematology service and laboratory with in-house immunophenotyping facilities.

Brighton has strong clinical and research links with King’s College Hospital and the Royal Marsden where we currently refer patients for autologous and allogeneic stem cell transplantation. Interested candidates are encouraged to look at the website or contact Dr Chevassut for further details. Previous experience with laboratory techniques and a good basic knowledge of molecular biology would be helpful.

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**Structure of academic project/what expected**

This will be tailored to the individual. Most projects are experimental laboratory-based but clinical research opportunities could also be arranged.

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**Clinical commitments during academic placement**

Ad hoc haematology clinic experience could be arranged if the candidate so desired but the primary focus will be on academic research.

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**Departmental academic teaching programme (if applicable)**

Participation in the “work-in-progress” research seminar series at Falmer and/or the Monday clinical educational lunchtime meetings at the hospital is encouraged. An
academic training course is also made available via the Clinical Investigation Research Unit (CIRU) which the candidate is encouraged to attend.

**Academic Lead:**

Dr Timothy Chevassut MA FRCP FRCPath PhD  
Senior Lecturer and Director for Academic Training  
t.chevassut@bsms.ac.uk  
http://www.bsms.ac.uk/research/our-researchers/timothy-chevassut/

### Programme 3 – Infectious Diseases – based at BSUH/BSMS

**Reference:** 1617/BSMS/03

**Type of programme:**  
Research

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<tr>
<th>Employing trust</th>
<th>Academic placement based at</th>
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<tr>
<td>Brighton and Sussex University Hospitals NHS Trust</td>
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**Brief outline of department**

Infectious diseases is a major academic theme at Brighton and Sussex Medical School. Among the clinical academics, Prof Newport is Professor of Infectious Diseases and Global health and works on genetic regulation of immune responses and susceptibility to infectious diseases such as tuberculosis. BSMS colleagues also work on the pathogenicity and immunology of TB, for more lab orientated projects. The Global Health research programme is expanding now that BSMS is a Wellcome Trust Centre for Global Health Research and we have good links with centres in Africa (e.g. Zambia, Cape Town) where previous trainees have undertaken their research projects, subject to Deanery approval.

Dr Llewelyn works on clinical and immunological assessment of patients with healthcare-associated infections such as *Staphylococcus aureus* and *Clostridium difficile*. He is working with the modernising medical microbiology consortium (www.modmedmicro.ac.uk) to use microbial whole genome sequencing to study transmission and pathogenicity of these organisms and with the UK Clinical Infection Research Group to undertake a multicenter Randomised Controlled Trial of rifampicin in the management of *S. aureus* bacteraemia (www.ukcirg.co.uk). With Prof Florian Kern at BSMS he is developing the measurement of host immune responses as tools for assessing patients with healthcare associated infections. Other members of clinical and non-clinical researchers within the department of infection and immunity are also available to support projects (malaria, hepatitis, HIV).

**Structure of academic project/what expected**

In the past we have found the most successful approach for our AFP trainees is to develop a specific project within one of these areas considering the trainees interests and aptitudes. Such a project may be patient focused or lab-based (microbiology, immunology or genetics. The successful appointee should contact Dr Llewelyn or Prof Newport to discuss the post as soon as possible after appointment.
### Clinical commitments during academic placement

None

### Departmental academic teaching programme (if applicable)

Not applicable

### Academic Leads:

Dr Llewelyn  
[mailto:m.j.llewelyn@bsms.ac.uk](mailto:m.j.llewelyn@bsms.ac.uk);

Prof Newport  
[mailto:m.j.newport@bsms.ac.uk](mailto:m.j.newport@bsms.ac.uk)

[www.bsms.ac.uk/research/our-research/infection-immunology](http://www.bsms.ac.uk/research/our-research/infection-immunology) for further information.

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### Programme 4 – Rheumatology – based at BSUH/BSMS

Reference: 1617/BSMS/04

**Type of programme:**  
Research

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<th>Employing trust:</th>
<th>Academic placement based at:</th>
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<tr>
<td>Brighton and Sussex University Hospitals NHS Trust</td>
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**Brief outline of department**

Dr Sandra Sacre's work focuses on the role of toll-like receptors, a family of innate immune receptors that have an important function in the recognition of viruses and bacteria. These receptors are of particular interest in RA as they can also generate inflammation in response to damage associated molecules often found at sites of chronic inflammation and tissue damage. Her work has revealed a potential functional role for a subset of these receptors in the maintenance of inflammation in the joint tissue of RA patients and has been the focus of several patent applications. The long term goal of this research is to aid the development of new therapies.

Professor Davies runs a weekly complex connective tissue disease clinic and is Principal Investigator in several clinical trials of novel biologic agents in the treatment of lupus and other autoimmune/autoinflammatory diseases. In addition he is leading research using imaging to characterise rheumatic disease.

Profess Davies also has a clinical interest in fibromyalgia, and hypermobility. He is working closely with Dr Jess Eccles and Professor Hugo Critchley from the Psychiatry department within BSMS exploring the link between fibromyalgia, anxiety, hypermobility and postural orthostatic tachycardia syndrome (POTS). This is a major growth area in rheumatology, and a fellow would have a unique opportunity to participate actively in both the recruitment of patients, and delivery of this work.
Opportunities will also be available to gain skills in teaching and learning through medical student teaching and attendance at teaching support courses.

**Structure of academic project/what expected**

Will be agreed during F1 year depending on which project area selected.

**Clinical commitments during academic placement**

1 rheumatology clinic per week, supervised

**Departmental academic teaching programme (if applicable)**

Will be given on arrival

**Academic Lead:**

Professor Kevin Davies  
Chair of Medicine  
k.a.davies@bsms.ac.uk

### Programme 5 – Hepatology – based at BSUH/BSMS

Reference: 1617/BSMS/05

**Type of programme:**

Research

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<tr>
<th>Employing trust:</th>
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<tr>
<td>Brighton and Sussex University Hospitals NHS Trust</td>
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**Brief outline of department**

Brighton and Sussex University Hospital (BSUH) and Brighton and Sussex Medical School (BSMS) has an active research programme in Hepatology, headed by Dr Sumita Verma, Senior Lecturer. Over the last three years Dr Verma (as PI) has been awarded three grants (total of £434,000, including funding from the NIHR) which enabled the appointment of two research fellows and a research nurse. Our first research fellow was awarded his PhD in 2013. We have also just successfully appointed our first Academic Clinical Fellow (ACF). Our third academic F2 successfully completed their research in April 2015. BSUH has a dedicated and fully staffed Clinical Investigation and Research Unit as well as a Clinical Trials Unit (CTU) and we have just applied for CTU accreditation.

In 2014 BSUH was designated a Regional hepatitis C centre to deliver the new oral HCV drugs. The process of selection was rigorous and our success reflects our excellent infrastructure and expertise.

With effect from Sept 2015 the Hepatology research team will consist of: Dr Sumita Verma, Senior Lecturer, two Research Fellows, one ACF, one Research Nurse and one Academic F2. The Academic F2 will therefore be working in an academic
environment with highly motivated and research orientated individuals. Additionally, there are well established academic activities including a weekly liver MDM and histology meeting and a four weekly journal club and GI academic Afternoons (lead by Dr Verma).

Dr Verma’s research interests focus on
1. Use of novel non-invasive markers (AST/ALT ratio, FIB4 test) and scans (Fibroscan) to diagnose, stratify and treat chronic liver disease in the community especially related to hepatitis C and alcohol. She has successfully obtained grants (80K from National Gilead Fellowship and B/H Commissioners and 134K from Dunhill Medical Trust) to conduct research at a Substance Misuse Service and GP practices that cater to the homeless. Aims are to assess clinical and patient reported outcomes as well as qualitative and health economics assessment
2. Develop novel non-invasive techniques to image neutrophil migration in the liver as a diagnostic tool for severe alcoholic hepatitis
3. Non viral liver disease burden in HIV positive individuals (which will be the academic F2 project)
4. Improve symptom burden in advanced cirrhosis- Dr Verma as PI has just been awarded a 220K grant from the NIHR (RfPB stream) to perform a RCT comparing long-term abdominal drains vs repeated drainage in patients with cirrhosis and refractory ascites

Clinical commitments during academic placement

Departmental academic teaching programme (if applicable)

There is a well-structured academic schedule comprising Liver MDM, Journal Club, Academic afternoons, liver histology meetings as well as year 3 teaching.

Academic Lead:

Dr Sumita Verma
Senior Lecturer Medicine, Honorary Consultant Hepatology
s.verma@bsms.ac.uk
http://www.bsms.ac.uk/research/our-researchers/sumita-verma/

Programme 6 – Medical Education – based at BSUH/BSMS
Reference: 1617/BSMS/06

Type of programme:

Research - The main research areas for BSMS are in the areas of simulation, development of clinical reasoning, technology-enhanced learning and the teaching and learning of safe prescribing.

Brief outline of department

The multi-professional Division of Medical Education (DME) is headed by Professor Gordon Ferns and with a Senior Lecturer (Dr Mike Okorie) plus Teaching Fellows, Learning Technologists, PhD and MSc students involved in undergraduate and postgraduate teaching.
We have an active research programme comprising:

- Simulation in medical education
- Technology enhanced learning and its use in healthcare settings
- Development of clinical reasoning in students and junior doctors
- Development of prescribing skills through medical school and postgraduate training
- Development and Evaluation of an innovative Longitudinal Integrated Clerkship in dementia
- Art and medicine
- The use of 3-D printing in anatomy education
- BSMS has a very strong student-led medical education society that is looking at peer-learning

The post-holder will also be able to apply for a Postgraduate Certificate in Medical Education if appropriate, and will gain practical experience in small and group teaching and assessment. The post will provide core and translatable skills for a future medical career.

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<tr>
<th>Employing trust:</th>
<th>Academic placement based at:</th>
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<tbody>
<tr>
<td>Brighton and Sussex University Hospitals NHS Trust</td>
<td>Royal Sussex County Hospital/ Princess Royal University Hospital</td>
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Structure of academic project/what expected

Potential research projects will link with the above research strands, however if the post holder wishes to develop something new, they are encouraged to discuss it with the academic leads in their F1 posting.

Clinical commitments during academic placement

None

Departmental academic teaching programme (if applicable)

Not applicable

Academic Leads:

Dr Mike Okorie
m.okorie@bsms.ac.uk

Programme 7 – Intensive Care Medicine – based at BSUH
Reference: 1617/BSMS/07

Type of programme:

Research – Intensive Care Medicine research at BSUH is overseen by Dr Owen Boyd, Consultant in Intensive Care Medicine and Anaesthesia based at The Royal Sussex County Hospital

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</table>
**Brief outline of department**

The Department of Intensive Care Medicine is one of the largest in the country and manages 44 beds over 2 sites, with most beds at the Royal Sussex County Hospital. Clinical care is Consultant led with considerable Consultant presence on the Wards managing ward rounds, undertaking procedures and supervising the Critical Care Outreach team of nursing staff. There are 23 Specialist and Core trainees on the Intensive Care Unit at any one time.

The Intensive Care Unit provides a climate where research is actively encouraged and supported in a multidisciplinary fashion. A full-time grant funded research nurse is in post to support unit research activities. We have an extensive publication record of locally inspired research and partake in a selection of Multicentre NIHR portfolio studies as well.

Ongoing Portfolio Research projects are concerned with Ventilator weaning, the management of post-trauma bleeding, Surgical intervention in open limb fractures, and the management of liver failure. Local projects investigate perioperative care, the interaction between Intensive Care Staff and patient relatives, Drug levels and responses in critically ill patients, the outcome of survivors of cardiac arrest, and the use and abuse of Intensive Care severity of illness scoring systems.

The unit has close research links with several academic institutions including Brighton and Sussex Medical School and the University of Oxford, and St George’s Hospital Medical School.

**Structure of academic project/what expected**

This will be tailored to the individual. Most projects are clinically based or involve data collection and analysis. The most successful approach for our AFP trainees is to develop a specific project within one of these areas considering the trainees interests and aptitudes; and also integrating work into the current trial and research work ongoing at the time. The Intensive Care Research portfolio is clinically and practically based with research frequently directly impacting on patient care.

The candidates also have the opportunity to be trained in various research techniques to run clinical trials. Training in good clinical practice guidelines, use of statistical packages including SPSS, training in the use of Endnote and other research packages are also part of the process. We also have adequate time to present work to varying size groups and obtain feedback.

The Intensive Care Unit is an active participant of the Clinical Research Network in Kent, Surrey and Sussex, and the AFP trainee would be encouraged to learn more about how Research is organised in the NHS by attendance at, and review of, the CRN management and processes.

**Clinical commitments during academic placement**

The AFP trainee will be able to join in with the work of the Intensive Care Unit as time allows and will gain valuable insight into the formulation and importance of research by observing how research can be incorporated into everyday practice. Every day there are 2 major ward rounds and it will be straightforward to integrate
into these. The main commitment of the post is of course research activity.

**Departmental academic teaching programme (if applicable)**

The Intensive Care Unit has regular weekly teaching afternoon every Tuesday and the AFP trainee is encouraged to attend these meetings. An academic training course is also made available via the Clinical Investigation Research Unit (CIRU) which the candidate is encouraged to attend.

**Academic and Research Lead:**

Dr Owen Boyd MD FRCA FRCA FFICM  
Consultant in Intensive Care and Anaesthesia  
Owen.boyd@bsuh.nhs.uk

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**Programme 8 – Genito-Urinary Medicine – based at BSUH/BSMS**  
Reference: 1617/BSMS/08

**Type of programme:**

Research

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**Brief outline of department**

The F2 doctors will work in the HIV/GUM research unit at RSCH, part of the Department of HIV/GUM which is the largest HIV treatment centre in the UK outside London, treating over 2,000 patients. The Genito-Urinary Medicine clinic, based at the Claude-Nicol Centre at RSCH, provides both general and specialist GUM services and sees 25,000 patients each year.

The team has a proven track record of securing funding for a range of research areas which include research into HIV and Ageing; HIV Neurology; HIV transmission; Testing for HIV and STIs; patient management and monitoring and toxicity related to antiretroviral therapy.

**Structure of academic project/what expected**

The F2 doctor will have either the opportunity to contribute to an existing research project, to develop a discrete aspect of it or to develop a research project. Either could lead to a presentation at a national or international conference as well as aim for a publication.

Specifically, an F2 doctor would be integrated into the existing research team, and would develop skills in:

- Literature searches using electronic databases such as MEDLINE
- Ethical Committee approval and research governances processes and principles of Good Clinical Practice (GCP) for research
- Collating and inputting data into statistical software packages (e.g. SPSS)
Specific laboratory techniques or questionnaire methodology pertinent to the concurrent research activities

**Clinical commitments during academic placement**

None

**Departmental academic teaching programme (if applicable)**

The department has a weekly academic seminar programme with internal and external speakers; this includes a journal club and a regular research review meeting which provides a forum to discuss new research ideas and ongoing protocol development.

**Academic Lead:**

Dr Jaime Vera  
j.vera@bsms.ac.uk

**Programme 9 – Paediatrics – based at BSUH/BSMS**  
Reference: 1617/BSMS/09

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<th><strong>Type of programme</strong></th>
<th>Research</th>
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<tbody>
<tr>
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<tr>
<td><strong>Academic placement based at:</strong></td>
<td>Royal Sussex County Hospital/ Princess Royal University Hospital</td>
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**Brief outline of department**

Dr Katy Fidler (senior lecturer) leads research on predictive factors for paediatric infections. She collaborates with academics in London, and with Professor Mukhopadhyay and Dr Rabe for work on a birth cohort (Go-CHILD).

The study of gene-environment (including pharmacogenetic) interactions that influence asthma and allergy phenotype in childhood constitutes an important area of investigation. The line of research has resulted in the identification of several novel pathways of likely clinical importance in children’s asthma. The foundation year trainee will be encouraged to develop one of these angles of investigation through study of papers and the database during the period of ‘clinical’ training, followed by concentrated research during a 4-month period over the course of training (Professor Somnath Mukhopadhyay (BSMS), Dr Imogen Rogers (University of Brighton)).

A 6 million euro EU FP7 programme grant led by Dr Heike Rabe, senior lecturer, BSMS, explores novel angles for neonatal cardiovascular treatments, and there are multiple opportunities for developing a research project working within this programme.

Dr Paul Seddon, consultant paediatrician (honorary senior lecturer) has led a
programme of research on infant lung function for over two decades. He runs a paediatric pulmonary function laboratory within the Royal Alexandra Children’s Hospital, where there are substantial opportunities for research.

Structure of academic project/what expected

There are opportunities for training in research methodology within the two universities (Brighton and Sussex, plus training courses within the Medical School) as appropriate for the research plan for the trainee.

Clinical commitments during academic placement

The clinical training will focus on general paediatrics, although there will be opportunities to initiate the development of a sub-speciality interest of choice, such as respiratory medicine, neonatology, or infectious diseases.

Departmental academic teaching programme (if applicable)

N/A

Academic Lead:

Professor Mukhopadhyay
s.mukhopadhyay@bsms.ac.uk
http://www.bsms.ac.uk/research/our-research/paediatrics/

Programme 10, 11 & 12 – General Practice – based at BSMS
Reference: 1617/BSMS/10
Reference: 1617/BSMS/11
Reference: 1617/BSMS/12

Type of programme

Research - The academic GP attachment based in Division of Public Health & Primary Care at Brighton & Sussex Medical School comprises of research and education.

Employing trust:  
Brighton and Sussex University Hospitals NHS Trust

Academic placement based at:  
Royal Sussex County Hospital/ Princess Royal University Hospital

Brief outline of department

We are a multi-disciplinary department (medicine, social science, epidemiology, psychology, public health) and have a large portfolio of health services research. Our particular research expertise is in pragmatic trial design, qualitative methods and working with large data sets. The clinical foci of our current primary care research are sexual health, allergy, cancer and the electronic patient record.

Recent projects that F2s have undertaken have been very varied and included an evaluation of the quality of referral letters, doctors perceptions of intimate examination, systematic review of self-sampling for STIs, portrayal of doctors in
children’s literature.

The department contributes to academic teaching in all years of the undergraduate curriculum. In Phase I the teaching is around generic clinical and communication skills and in later years, general practice and public health. There are also opportunities to write for a post graduate journal targeted at GPs in training.

**Structure of academic project/what expected**

Research: The F2 will have the opportunity to contribute to an existing research project, and to develop a discrete aspect of it that they can then present at a national Primary Care Conference (Society of Academic Primary Care or RCGP). The F2 doctors will also have access to the research courses and training offered by both the Universities of Brighton and Sussex.

Teaching: The opportunities for participating in teaching and student assessment will vary depending on the phase in the academic cycle, but all F2s will have the opportunity for some formal medical education training and involvement in the General Practice or clinical practice curriculum.

**Clinical commitments during academic placement**

None, but periods of observation in General Practice can be arranged where appropriate.

**Departmental academic teaching programme (if applicable)**

The Division has a weekly academic seminar with speakers from the division, our parent universities and externally. A regular Research in Progress meeting provides a forum for emerging ideas and interpretation of recently collected data.

**Academic Lead:**

Helen Smith  
Head of Division and Professor of Primary Care  
[mailto:h.e.smith@bsms.ac.uk](mailto:h.e.smith@bsms.ac.uk)

[http://www.bsms.ac.uk/research/our-research/primary-care/](http://www.bsms.ac.uk/research/our-research/primary-care/)

**Programme 13, 14, 15, 16, 17 & 18 – Academic Management & Leadership – based at BSUH/BSMS**

Reference: 1617/BSMS/13  
Reference: 1617/BSMS/14  
Reference: 1617/BSMS/15  
Reference: 1617/BSMS/16  
Reference: 1617/BSMS/17  
Reference: 1617/BSMS/18
### Type of programme:
Leadership

### Employing trust:
| Brighton and Sussex University Hospitals NHS Trust | Royal Sussex County Hospital/ Princess Royal University Hospital |

### Academic placement based at:

### Brief outline of department
Examples of recent projects include: activity, capacity and demand work and developing an electronic handover tool, change in practice as a result of an evidence based librarian on ward rounds and building a business case for expansion of the Acute Oncology Service to the Princess Royal Hospital site.

### Structure of academic project/what expected

1) **Engagement with the BSUH leadership network throughout both FY1 and FY2**
   - Expected: Organise any Read-to-Lead events which fall during your academic rotation
   - Expected: Attend leadership faculty group meetings during your academic rotation (and where possible throughout your time as a leadership trainee)
   - Expected: Mentor management and leadership (M&L) FY1s and update M&L handbook
   - Rota permitting: Attend monthly peer support meetings
   - Rota permitting: Attend quarterly IHI, Read to Lead and Innovation Forum meetings

2) **Plan and run a service improvement project**
   - Expected: Identify a project and supervisor six months prior to the start of your academic rotation
   - Expected: Have significant involvement in a project which results in a sustained change to a clinically relevant service
     - This project should allow you to demonstrate both management and leadership qualities; pure audit or research is not appropriate
     - Successful projects are usually trust wide and involve multi-disciplinary working however, they may also focused on developing services within specialist departments
     - The "Compendium of Academic Competences" leadership and management section outlines the expectations of your academic project (see M&L handbook or www.foundationprogramme.nhs.uk/pages/academic-programmes)

3) **Share your work**
   - Expected: Send a summary of your projects' progress to the Leadership Faculty Group during your rotation
- Expected: During your rotation present a 6-slide summary of your project to each peer support group to keep the group updated on your progress.
- Expected: Send a final summary of your project for inclusion in the M&L online "drop-box"
- Expected: Present your project at the academic presentation evening at the end of F2
- Expected: Either publish your work in a peer review journal OR present your work at a regional, national or international meeting - can be performed after end of rotation

4) Gain academic and leadership skills
- Expected: Complete a masters-level module in Leadership and Commissioning provided by the BSMS Post Graduate Faculty of Health and Social Science
- Possible: Complete a PG Certificate during the foundation programme (two modules would need to be self funded and study leave obtained)
- Possible: complete an NHS Leadership Academy qualification such as the Mary Seacole PG Certificate in Healthcare Leadership
- Encouraged: Attend CIRU research courses which are related to your learning needs
- Encouraged: Complete BMJ/ IHI e-learning modules which are related to your learning needs

5) Gain an understanding of the trusts clinical governance structures
- Expected: Attend a wide range of trust management meetings (E.g. trust board meeting, clinical management board, nursing management board)
- Encouraged: Shadow chief executive for a half-day
- Encouraged: Become a CQC specialist advisor
  - Please note that if you act as a CQC inspector during your academic rotation in normal working days then NO CQC salary should be accepted (as this would result in you being double paid and would constitute as fraud). If you act as a CQC inspector during your annual leave then it would be acceptable to accept a CQC salary.

**Clinical commitments during academic placement**

The trainee will have up to 3 clinical sessions (nominal half days) a week and will be expected to integrate within the department.

**Departmental academic teaching programme (if applicable)**

See 4) above
Academic Lead:

For further information about possible projects and potential supervisors, please contact:

Katie Teague  
Leadership Faculty Administrator  
Katie.Teague@bsuh.nhs.uk

Dr David Bloomfield  
Head of Medical Leadership Faculty BSUH  
david.bloomfield@bsuh.nhs.uk

4. THE MEDICAL SCHOOL AND PARTNER TRUSTS

Brighton and Sussex Medical School (BSMS) is committed to providing first class undergraduate and postgraduate training which links clinical medicine to basic science and research. Strong, internationally recognised research groups have been established in the fields of infectious diseases, immunity, international health, neuromuscular biology, oncology and primary care.

Teaching within the Postgraduate division of BSMS focuses on primary care, public health, clinical specialties, psychiatry and community health, leadership and professional development, and medical education. Research expertise within the postgraduate division embraces cardiology, psychiatry, public health, general practice and aspects of health informatics.

The Medical School has state-of-the-art clinical teaching facilities in the Audrey Emerton building, the education centre at the Royal Sussex County Hospital, and the education centre at the Princess Royal Hospital in Haywards Heath. There are three teaching and research buildings at the Universities’ adjacent sites at Falmer, including a Clinical Imaging Sciences Centre incorporating state-of-the-art fMRI and PET-CT instruments. In addition there is a 10 bed purpose-built Clinical Investigation and Research Unit on the Royal Sussex County site.

The research programme of the School is growing rapidly. It is focused around major themes that include neuroscience, oncology, and infection and inflammation. Within these we have particular strengths in elderly care medicine, primary care and epidemiology and in imaging. There is a joint Research Office that handles NHS R&D contracts and strong links between BSMS research faculty and NHS colleagues.

For more information about research and academic programmes at BSMS please see below:

http://www.bsms.ac.uk/research/our-researchers/

http://www.bsms.ac.uk/about/academic-training/

http://www.bsms.ac.uk/postgraduate/
1. INTRODUCTION

At North West Thames Foundation School we aim to introduce Foundation Doctors to academic medicine in order to encourage individuals to undertake further research training and to consider a clinical academic career. We offer a wide selection of academic programmes covering several major specialities and within these there are possibilities for lab based or clinical research as well as opportunities for research in medical education and leadership projects. Our academic trainees routinely succeed in publishing and presenting the work they have undertaken in their academic placement.

Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.

2. DETAILS OF TRAINING PROGRAMMES

A spread sheet summarising all of the available programmes is available to download from [http://www.stfs.kss.hee.nhs.uk/tfs-academic-foundation-programme-recruitment](http://www.stfs.kss.hee.nhs.uk/tfs-academic-foundation-programme-recruitment).

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<thead>
<tr>
<th>Programme Reference</th>
<th>Programme Theme</th>
<th>Based at</th>
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<tbody>
<tr>
<td>1617/IMP/01</td>
<td>Academic Paediatrics</td>
<td>St Mary's Hospital</td>
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<tr>
<td>1617/IMP/02</td>
<td>Academic Paediatrics</td>
<td>St Mary's Hospital</td>
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<tr>
<td>1617/IMP/03</td>
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<td>St Mary’s Hospital</td>
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<tr>
<td>1617/IMP/04</td>
<td>Academic Medicine</td>
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<td>1617/IMP/05</td>
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<td>1617/IMP/07</td>
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North West Thames offers 27 jobs in the academic programme for 2016. In all cases the F1 year will be a standard F1 programme in order to ensure candidates can establish core clinical medical skills as described in the Foundation curriculum. However, doctors will have the opportunity to attend academic F1 early evening teaching sessions and will be encouraged to involve themselves in formal teaching commitments. All academic F1s are ‘budded’ up with the F2 who is following the same programme as them for support and mentoring. We also arrange an evening meeting in January where academic F1s will meet their academic leads and start to plan their F2 academic placement in detail.

The F2 year will be based either at Imperial College Healthcare NHS Trust (Hammersmith, Charing Cross and St Mary’s Hospitals), Northwick Park Hospital, or Chelsea and Westminster Hospital, in partnership with Imperial College London. Academic placements are grouped into the Academic Departments of Medicine, Metabolic Medicine, Surgery, Vascular Surgery, Paediatrics, Clinical Genetics, Primary Care, and Anaesthesia. The Academic F2 (AF2) lecture programme that goes on through the year will be based at any of three Imperial College Healthcare NHS Trust sites.

Common features of the AF2 programmes include:

- A named academic educational supervisor/mentor for the whole year. Trainees will be encouraged to meet with their academic supervisor well in advance of commencing their F2 year. At the start of their academic placement they will agree an personal academic development plan which would include exposure to research techniques, literature analysis, career advice on planning a career in research, grant funding etc.
- Attendance at research meetings within the academic department to which they are attached.
- At least termly whole day academic foundation programme teach-ins covering all areas of academic medicine, research and leadership.
- Core lecture programme (example, changes each year)
  - “my academic career” – talks from leading Clinician Scientists working at Imperial
  - Research Governance
  - Leadership workshop
  - Research Ethics
  - Translational Medicine
  - How to present scientific research
  - Guidance for a career as an academic clinician
  - Critical appraisal workshop

- Trainees will be encouraged to write a review article under the guidance of their academic mentor based an area related to their academic attachment, aimed for publication. During this they will learn critical literature analysis techniques.
- They will hopefully generate enough data from the 4 months laboratory or clinical research to contribute to a scientific paper. Clearly 4 months is not sufficient time to finish a project, but the time and work undertaken should have contributed significantly. Trainees are encouraged to submit their work for presentation at national and international symposia.
• They will attend a dedicated one day academic training day covering clinical research and teaching skills (based at Chelsea and Westminster).
• They will present their academic work at the NW Thames Academic Symposium in the July of their F2 year. All AF2s present their work as a poster and 5 are selected to present orals.

Individuals will be working within routine busy clinical units and are expected to develop the same formal clinical F2 competencies as F2 doctors in non-academic programmes within 8 months instead of the standard 12. They will have named clinical supervisors in each placement who will ensure they address clinical skills in addition to the academic activity. All clinical placements have well established appraisal systems and on-going educational support.

3. PLACEMENTS

Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.

In light of responses to the Collins report and local service reconfigurations, it is possible that some of the clinical placements may change but all will retain the required balance to allow excellent training in Foundation and the acquisition of required Foundation competencies.

Programmes 1-3 - Academic Paediatrics - based at Hammersmith & St Mary’s Hospitals
Reference: 1617/IMP/01
Reference: 1617/IMP/02
Reference: 1617/IMP/03

Individual Placement Descriptor (IPD) for the four month academic placement
Separate IPDs for clinical placements are available on foundation school website

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<tr>
<th>Type of programme</th>
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<tr>
<td>Imperial College Healthcare NHS Trust</td>
<td>St Mary’s Hospital</td>
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<tr>
<th>Brief outline of department</th>
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<td>The Paediatric department at St Mary’s was awarded the inaugural London Deanery ‘Elizabeth Paice Excellence in Education Award’ for Best Clinical Department, and one option would be to develop an innovative educational research project within the department. The general paediatric team also has a strong interest in leadership development and quality improvement, and is involved in innovative work to develop models for integrated child health working across primary and secondary care. This includes a public health focus on whole population approaches to care for children and young people. There are also significant developments in adolescent health. There would be possibilities for research and project work in all of these areas.</td>
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</table>
There is also outstanding academic sub-specialty paediatric research being done by colleagues at St Mary’s in paediatric infectious diseases, paediatric allergy, paediatric haematology, paediatric intensive care, neonatology and other specialities and there are likely to be possibilities to link in with these teams if this was a particular area of interest. In this situation a primary academic supervisor will be found within the sub-specialty area of interest.

Further information is available on our website:
http://www.imperial.nhs.uk/paediatrics

http://www1.imperial.ac.uk/departmentofmedicine/divisions/infectiousdiseases/paediatrics/

Structure of academic project/what expected

The AF2 year will consist of 4 months Acute Medicine and 4 months ICU at Hammersmith Hospital and 4 months Academic Paediatrics based at St Mary’s Hospital, Imperial College Healthcare NHS Trust. Trainees will be under the overall supervision of Dr Bob Klaber, who is a Consultant in General Paediatrics and a Medical Educationalist. The AF2 will have the opportunity to be part of a highly dynamic and supportive team of doctors and other health professionals working together in academic, service improvement and educational aspects of paediatrics and child health.

Supervision from Dr Klaber (if undertaking an educational research or integrated child health project), or the primary academic supervisor (if undertaking a project in other areas of paediatrics and child health), will take the form of weekly meetings, with day to day support coming from the wider paediatric team. If desired, the Academic F2 can be allocated to a Specialist Registrar level mentor during their academic paediatrics placement.

There is access to a wide range of teaching and other learning opportunities within the department, and each doctor will be strongly encouraged to make the most of these in order to support their personal learning plan. A weekly teaching timetable detailing all opportunities will be sent to each doctor. There will also be the opportunity to develop important transferrable skills in the writing of ethics and grant applications, performing statistical analysis, and writing and revising manuscripts. Other learning opportunities, such as development of educational research skills or understanding quality improvement methodologies will be offered in accordance with the needs of the trainee and the project undertaken.

It is envisaged that doctors in this Academic Paediatrics placement will be successful in achieving journal publications and published abstracts, as well as presenting their work in regional and national meetings. The post will be an outstanding introduction to academic paediatrics and child health, and high performance in the post will undoubtedly strengthen any potential application for run-through paediatric training at ST1 level.

Clinical commitments during academic placement

There are no fixed clinical commitments and no on call duties during the Academic Paediatrics placement.
**Departmental academic teaching programme (if applicable)**

There are many opportunities here and the post-holder will be introduced to these when they start.

**Academic Lead:**

Dr Bob Klaber  
Consultant in General Paediatrics  
robert.klaber@imperial.nhs.uk

**Programmes 4-6 - Academic Medicine – based at Hammersmith Hospital**

Reference: 1617/IMP/04  
Reference: 1617/IMP/05  
Reference: 1617/IMP/06

Individual Placement Descriptor (IPD) for the four month academic placement  
Separate IPDs for clinical placements are available on foundation school website

**Type of programme**

This a research post where the AF2 will have the opportunity to spend four months doing cutting-edge research within a research group anywhere with the very large Department of Medicine at Imperial College.

**Employing trust:**  
Imperial College Healthcare NHS Trust  
**Academic placement based at:**  
Hammersmith Hospital

**Brief outline of department**

The AF2 can choose to be attached to any one of a number of world-class research units within the Department of Medicine at Imperial College – explore the website at [http://www1.imperial.ac.uk/departmentofmedicine/](http://www1.imperial.ac.uk/departmentofmedicine/) to understand the breadth and quality of opportunities available. The Department comprises 5 world class Divisions – Brain Sciences, Diabetes, Endocrinology and Metabolism, Experimental Medicine, Immunology and Inflammation and Infectious Disease. The Academic F2 can be attached to groups within any of these and undertake basic laboratory research, more clinical research and projects involving a mix and including innovative imaging and computing. Depending on the AF2’s interests there are also possibilities for attachments in more diverse laboratories - e.g. a recent stint by one Academic F2 in the Department of Bioengineering. We aim to facilitate the AF2 in finding the project and department that suits them and will allow them the greatest opportunity to achieve outstanding academic outputs. Many of our previous AF2s have produced first author papers and / or presentations by the end of their programme.

**Structure of academic project/what expected**

The F2 year will consist of 4 months of Acute Medicine and 4 months of Renal medicine based at Hammersmith Hospital, and 4 months of Academic Medicine at any of the Imperial sites. Professor Liz Lightstone, Professor of Renal Medicine and consultant Nephrologist oversees the Academic Medicine placements but the Academic F2 will be supervised during their academic placement by the relevant academic lead for the research project undertaken.
Professor Lightstone will assist trainees in finding the right supervisor early on in their F1 year to facilitate planning and familiarity with the group and ensure that they get the most out of their 4 month placement by being fully prepared. Each trainee will identify an academic supervisor within their chosen research group who will meet with them regularly, set the academic learning objectives at the beginning of the placement and review progress at the end of the placement.

There is access to wide range of teaching and other learning opportunities within the department, and each doctor will be strongly encouraged to make the most of these in order to support their personal learning plan. There will also be the opportunity to develop important transferrable skills in the writing of ethics and grant applications, performing statistical analysis, and writing and revising manuscripts. Other learning opportunities, such as development of educational research skills or understanding quality improvement methodologies will be offered in accordance with the needs of the trainee and the project undertaken.

It is envisaged that doctors in this Academic Medicine placement will be successful in achieving journal publications and published abstracts, as well as presenting their work in regional and national meetings. The post will be an outstanding introduction to academic medicine, and high performance in the post will undoubtedly strengthen any potential application for CMT / ACF posts.

Clinical commitments during academic placement

There are no fixed clinical commitments and no-on call duties during the Academic Medicine placement.

Departmental academic teaching programme (if applicable)

Academic Foundation doctors will be expected to attend the weekly Department of Medicine Staff round, and any departmental seminars that they wish to attend. There will be different expectations of attendance at seminars within each research group and the academic supervisor will advise the trainees. They are also expected to attend their home Trust F2 weekly teaching session.

Academic Lead:

Prof Liz Lightstone
Consultant Nephrologist
l.lightstone@imperial.ac.uk

Programmes 7-9 - Academic Metabolic Medicine – based at Hammersmith Hospital

Reference: 1617/IMP/07
Reference: 1617/IMP/08
Reference: 1617/IMP/09

Individual Placement Descriptor (IPD) for the four month academic placement
Separate IPDs for clinical placements are available on foundation school website

Type of programme

The AF2 will have the opportunity to spend four months doing cutting edge research
in the Department of Investigative Medicine at Hammersmith Hospital.

<table>
<thead>
<tr>
<th>Employing trust:</th>
<th>Academic placement based at:</th>
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</thead>
<tbody>
<tr>
<td>Imperial College Healthcare NHS Trust</td>
<td>Hammersmith Hospital</td>
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</table>

**Brief outline of department**

The Department of Investigative Medicine has an outstanding record for translational research and the research profile of the department is world class. The laboratory’s research is both clinical and laboratory based and is conducted by a range of medical doctors and scientists.

The group has conducted the first human infusions of a number of novel peptides in man which have been done by Clinical Training Fellows (including ghrelin (Wren et al. JCEM 2001), peptide YY (PYY) (Batterham et al. Nature 2002), oxyntomodulin (Cohen et al. JCEM 2003), kisspeptin (Dhillo et al. JCEM 2005, 2007, 2009). The department is well-equipped and consists of a team of clinical academics and basic scientists with a wide variety of scientific expertise who work very closely together.

The Unit is funded by numerous grants including programme grants from the Medical Research Council (MRC) and the Wellcome Trust. The department has a very good record of training junior doctors; in the last 5 years the Department has trained 12 Wellcome Trust and MRC Clinical Training Fellows and currently there are 5 Wellcome Trust and MRC Clinical Training Fellows in the laboratory. The laboratory has a programme of basic science and translational research investigating appetite pathways in order to develop novel targets for the treatment of obesity. The department also has a strong track record of translational research investigating the action of novel hormones.

Further information can be found on the departmental website: [http://www1.imperial.ac.uk/departmentofmedicine/divisions/diabetesendocrinologymetabolism/meta/](http://www1.imperial.ac.uk/departmentofmedicine/divisions/diabetesendocrinologymetabolism/meta/)

**Structure of academic project/what expected**

The AF2 year will be based at Hammersmith Hospital, and will include 4 months of Acute Medicine, 4 months of Haematology, and 4 months Academic Metabolic Medicine where the AF2 will be given insight into the link between clinical medicine and the laboratory.

The AF2 will be incorporated into the laboratory's research themes during their four month research block and is expected to actively participate in a number of defined research projects. This involves working with doctoral and post-doctoral students and a range of other professionals. Additionally, the trainee is expected to partake in the variety of laboratory research meetings and presentations such as the journal club. There is also the opportunity to be involved with teaching and to attend general endocrine clinics.

This is an ideal post in which to gain clinical laboratory experience as well as experience in basic research. The AF2 will work with highly skilled clinical scientists who will provide training in the relevant techniques. The particular value to the AF2 will be in gaining an understanding of metabolic medicine, and being able to interpret dynamic tests in a clinical light.
There will be both academic and clinical supervision throughout the programme. There will be enthusiastic support for trainees to undertake clinical projects investigating metabolic disease. This should lead to presentations at National or International meetings. The work of some AF2s in the past has resulted in several peer reviewed publications.

The research will be supervised by Professor Waljit Dhillo (w.dhillo@imperial.ac.uk) and Professor Steve Bloom (s.bloom@imperial.ac.uk).

Clinical commitments during academic placement

The AF2 will carry out limited clinical duties, including dynamic pituitary function testing, and will then assess and interpret the results. We have dedicated metabolic medicine ward space both at Charing Cross and Hammersmith Hospitals.

Departmental academic teaching programme (if applicable)

The AF2 will attend weekly research meetings as well as Trust F2 teaching.

Academic Lead:

Prof Karim Meeran
Professor of Endocrinology
k.meeran@imperial.ac.uk

Programmes 10-15 - Academic Primary Care – based at St Mary’s and Charing Cross Hospitals

Reference: 1617/IMP/10
Reference: 1617/IMP/11
Reference: 1617/IMP/12
Reference: 1617/IMP/13
Reference: 1617/IMP/14
Reference: 1617/IMP/15

Individual Placement Descriptor (IPD) for the four month academic placement
Separate IPDs for clinical placements are available on foundation school website

Type of programme

This is a 4 month research and clinical placement in Academic Primary Care.

Employing trust: Academic placement based at:
Imperial College Healthcare NHS Trust Charing Cross Hospital

Brief outline of department

Primary care is a major arm of health service delivery in the UK. This is a role strengthened by the new GP contract and more recent changes that place general practitioners at the forefront of commissioning health services. Academic Primary Care has a vital research role in providing evidence for interventions and a critique on practice, and in equipping undergraduates with skills and knowledge of relevance both to the specialty and to their development as doctors more generally. The academic department at Imperial has strong roots in epidemiological approaches to
primary care, and a programme of undergraduate teaching which stretches across the whole curriculum.

The department also organises the Imperial College Master of Public Health (MPH) programme; and hosts the WHO Centre for Public Health Education & Training. These links give opportunities for working on international public health topics. There is also an opportunity to work in other departments and units of the Imperial College School of Public Health, such as the Department of Epidemiology & Biostatistics and the Clinical Trials Unit. See [http://www1.imperial.ac.uk/publichealth/](http://www1.imperial.ac.uk/publichealth/) for further information.

**Structure of academic project/what expected**

The AF2 year will include four months of A&E at St Mary’s Hospital, four months in either O&G at St Mary’s or Gastroenterology at Charing Cross, and four months in Academic Primary Care. The academic placement is generally located in the Department of Primary Care & Public Health at Charing Cross Hospital or in one of the other departments or units in the Imperial College School of Public Health.

The AF2 will have active roles in teaching and research within the department: two days a week will be reserved for clinical general practice in a teaching Practice attached to the department. They will be allocated an academic and clinical supervisor at the outset of the attachment who will ensure the aims of the attachment are met and to assist your preparation for Foundation Programme assessments.

The AF2’s week is split between 2 days in a local general practice, and 3 days based in the department at Charing Cross Hospital campus. The 3 days in the department are split between:

- working on a research project (roughly 60%)
- teaching medical students (roughly 25%)
- attending department activities (eg weekly seminars) (roughly 10%)
- attending training courses (roughly 5%)

The academic lead for the programme is Dr Graham Easton who is supported in this role by other academics in the department. Research projects generally involve either a systematic literature review or an analysis of a data set. Previous F2 doctors have benefited from their experiences; and have presented their work at scientific meetings and published their findings in peer-reviewed journals. These publications include articles in the Journal of the Royal Society of Medicine, Journal of Ambulatory Care Management, Journal of Public Health, Informatics in Primary Care, and BMC Clinical Pharmacology.

Please see this website for more details of the programme and experiences of recent Academic F2s in Primary Care: [http://www1.imperial.ac.uk/publichealth/departments/pcph/f2/](http://www1.imperial.ac.uk/publichealth/departments/pcph/f2/)

**Clinical commitments during academic placement**

There is a clinical commitment of 2 days a week in an accredited GP teaching practice. The details of the weekly timetable are negotiated between the academic department and GP surgery, but depend largely on the practice’s clinic times and needs, with Wednesdays generally set aside as a fixed day for academic activities such as departmental meetings and talks.
**Departmental academic teaching programme (if applicable)**

Weekly departmental meetings and seminars as well as weekly Trust F2 teaching.

**Academic Lead:**

Dr Aisha Newth  
Primary Care Faculty Development Lead  
[a.newth@imperial.ac.uk](mailto:a.newth@imperial.ac.uk)

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**Programme 16-18 - Academic/Clinical Genetics – based at Northwick Park Hospital**

Reference: 1617/IMP/16  
Reference: 1617/IMP/17  
Reference: 1617/IMP/18

Individual Placement Descriptor (IPD) for the four month academic placement  
Separate IPDs for clinical placements are available on foundation school website

**Type of programme**

This is a 4 month research and clinical placement in Genetics.

**Employing trust:**  
The North West London Hospitals NHS Trust

**Academic placement based at:**  
Northwick Park Hospital

**Brief outline of department**

The North West Thames Regional Genetics Service (NWTRGS) is a fully integrated, diagnostic genetic service, which provides cytogenetic, molecular and clinical genetics services for a population of 3.6 Million in North West London, Hertfordshire and Bedfordshire.

The clinical geneticists and genetic counsellors provide an outpatient-based diagnostic and counselling service at Northwick Park Hospital and numerous outreach clinics. Individuals with a genetic disorder, or relatives at risk of a genetic disorder, are seen and advised of the causes and consequences of the disorder, the risk of developing or transmitting it and the options available to them such as tests, treatment or prevention. Clinics are also held for those where there is a familial history of cancer.

Further information can be found on the Departmental website:  
[http://www.nwlh.nhs.uk/services/genetics/](http://www.nwlh.nhs.uk/services/genetics/)

**Structure of academic project/what expected**

The AF2 year is based at Northwick Park Hospital and will include four months of A&E, 4 months of Gastroenterology, and 4 months of clinical/academic genetics. Research plays an integral role in clinical genetics. In addition, the impact of genetics is increasingly relevant in all branches of mainstream medicine. It is our aim to provide an opportunity for AF2s to develop key skills required for an academic career at the same time as gaining experience of clinical genetics and an
understanding of the role of this specialist service within the NHS.

The AF2s conduct a research project during their time in the department. Projects might be clinical or laboratory based. The aim of the project is publication in a peer-reviewed journal. Typically, AF2s spend two days per week on the research project and three in the clinical area, but this is variable. Previous AF2s did projects within the department, but others were based at a variety of academic department within Imperial College. Projects are tailored to the individual’s long term career aims and are discussed several months before placement starts, to allow planning. Examples of previous projects are: Ehlers Danlos Syndrome, Hereditary Haemorrhagic Telangiectasia, Congenital Myopathy, Silver-Russell Syndrome, Familial Phaeochromocytoma, and Familial Adenomatous Polyposis.

By the end of the 4 month placement the AF2 is expected to draw family trees and examine for common genetic conditions (Neurofibromatosis type 1, Marfan Syndrome etc), supervised by a consultant. All AF2s are expected to write a case report during their time in the department. There are always interesting cases available. Previous AF2 were very successful and there have been multiple publications. AF2s are also encouraged to carry out an audit project within the department.

**Clinical commitments during academic placement**

The AF2 mainly works with the clinical genetics team. The work is entirely outpatient based and working hours are 9-5 Monday-Friday. Entry level is ST3, so AF2s are supernumerary. The AF2 attends clinics (typically two per week, but often a single whole day clinic), and is expected to prepare the clinic in advance and discuss with the consultant. Referrals include general, paediatric and cancer referrals. Clinics take place at Northwick Park Hospital and various other locations throughout the catchment area of the service.

**Departmental academic teaching programme (if applicable)**

In-house teaching and academic seminars provide basic knowledge and insight into the range of research opportunities within this specialty. Since there is close liaison between clinical and diagnostic laboratory staff within the department, trainees are able to observe the work of the diagnostic molecular and cytogenetic laboratories. Weekly meetings are held to discuss results with laboratory staff. Trainees are allocated an academic and clinical supervisor responsible for overseeing progress throughout the attachment and providing further career guidance.

**Academic Lead:**

Dr Birgitta Bernhard
Consultant in Clinical Genetics
b.bernhard@nhs.net

**Programmes 19-21 - Academic Anaesthetics – based at Chelsea & Westminster Hospital**

Reference: 1617/IMP/19
Reference: 1617/IMP/20
Reference: 1617/IMP/21
Individual Placement Descriptor (IPD) for the four month academic placement
Separate IPDs for clinical placements are available on foundation school website

<table>
<thead>
<tr>
<th>Type of programme</th>
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<tbody>
<tr>
<td>This is a 4 month research placement in Academic Anaesthetics.</td>
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<tr>
<th>Employing trust:</th>
<th>Academic placement based at:</th>
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<tbody>
<tr>
<td>Chelsea and Westminster Hospital NHS Foundation Trust</td>
<td>Chelsea &amp; Westminster Hospital</td>
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<thead>
<tr>
<th>Brief outline of department</th>
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<tbody>
<tr>
<td>The Magill Department of Anaesthesia, Intensive Care and Pain Management is a combined Academic and NHS department. There are a wide range of projects available in both departments. The Department has a broad mixture of academic and NHS anaesthetic consultants, an ITU and HDU, six main theatres, and additionally paediatric and obstetric theatres and a treatment centre. The Department has more than 30 consultants and 32 trainee anaesthetists.</td>
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</table>

The Academic Department of Anaesthetics was established at the Westminster Hospital in 1966. It is now led by Professor Masao Takata and is part of the Anaesthetics, Pain Medicine, and Intensive Care (APMIC) Section of the Division of Surgery, Imperial College London. Website: http://www1.imperial.ac.uk/apmic/

The NHS Magill Department changed its name to the Magill Department of Anaesthesia, Intensive Care & Pain Management in 1998 to reflect the broad nature of its activities. Specialist areas where projects can be undertaken include Intensive Care medicine, Pain management (Acute & chronic), burns, paediatric and obstetric anaesthesia. The high fidelity patient simulation facility at Chelsea & Westminster is headed by the anaesthetic department and offers further research and education opportunities.

Website: http://www.magill-department.com/Website/Welcome.html

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<tr>
<th>Structure of academic project/what expected</th>
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<tr>
<td>The AF2 year will include four months of A&amp;E and four months of Academic Anaesthetics at Chelsea &amp; Westminster Hospital as well as four months in Intensive Care at the Royal Marsden Hospital. The anaesthetic placement can cover projects in anaesthesia, outreach, post-operative recovery and pain relief research, based on the AF2’s skills and preferences. The posts are well suited for those wishing to gain a basic grounding in peri-operative medical research and have been highly valued by previous AF2s.</td>
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Education is a key objective for the academic department with medical student (including BSc) and postgraduate training. The AF2 would be expected to contribute to education in all areas of anaesthesia and pain management.

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<thead>
<tr>
<th>Clinical commitments during academic placement</th>
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<tbody>
<tr>
<td>There is no fixed clinical commitment during the Academic placement. However there is the opportunity to develop clinical skills if desired.</td>
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</tbody>
</table>
**Departmental academic teaching programme (if applicable)**

There is weekly departmental teaching as well as weekly Trust F2 teaching.

**Academic Lead:**

Dr Seth Galton  
Consultant Anaesthetist  
seth.galton@chelwest.nhs.uk

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**Programme 22-24 - Academic Vascular Surgery – based at Charing Cross Hospital**

Reference: 1617/IMP/22  
Reference: 1617/IMP/23  
Reference: 1617/IMP/24

Individual Placement Descriptor (IPD) for the four month academic placement  
Separate IPDs for clinical placements are available on foundation school website

**Type of programme**

This is a research post in Vascular Surgery at Charing Cross Hospital.

**Employing trust:**  
Imperial College Healthcare NHS Trust

**Academic placement based at:**  
Charing Cross Hospital

**Brief outline of department**

The research methods employed within the group include clinical projects, including clinical trials, molecular and cellular biology, material science, ultrasound and contrast enhanced ultrasound imaging, health economics, biostatistics, systematic reviews, metabonomics and fluid dynamics.

For more information, please visit the Academic Section of Vascular Surgery website:

http://www.imperial.ac.uk/AP/faces/pages/read/Home.jsp?person=a.h.davies&_adf.ctrl-state=usx90ksw9_3&_afrRedirect=2815034464756649

**Structure of academic project/what expected**

The AF2 year will be based at Charing Cross hospital and will consist of four months of Vascular Surgery and four months of A&E at St Mary's, and four months Academic Vascular Surgery at Charing Cross. The Academic Surgery placement will be based in the Academic Section of Vascular Surgery at Charing Cross under the supervision of Professor Alun Davies.

During the four months the AF2 will have the opportunity to be part of a dynamic and productive research team investigating carotid atherosclerosis, chronic venous insufficiency and varicose veins. The combination of clinical pathology and research techniques will be tailored to accommodate the interests of the AF2 as far as possible, selecting from a number of research projects which are running in parallel.
Supervision from Professor Davies will take the form of weekly meetings, with day to day support coming from a team of clinical research fellows, one of whom will be the lead research fellow on the assigned project.

There is access to a number of surgical clinics for the undertaking of clinical research projects and for postgraduate exam preparation as required. There is the opportunity to develop important transferrable skills in the writing of ethics and grant applications, performing statistical analysis, and writing and revising manuscripts.

The previous Academic F2s who have completed this placement have been successful in achieving first name author publications, including journal publications, book chapters, letters and published abstracts, as well as presenting their work in national meetings and winning local and national prizes. Furthermore, they have been supported in applying for core training and academic training jobs and have been successful in securing posts in their chosen specialties.

### Clinical commitments during academic placement

There are no fixed clinical commitments and no on call duties during the Academic Surgery placement.

### Departmental academic teaching programme (if applicable)

In addition to the Foundation Programme teaching, there are weekly research meetings. Courses will be offered in accordance with the needs of the trainee and the project undertaken. Many of the clinical research fellows teach relevant skills such as statistical analysis, critical appraisal and how to prepare a manuscript at a regional level.

### Academic Lead:

Prof Alun H Davies  
Professor of Vascular Surgery  
[Email](mailto:a.h.davies@imperial.ac.uk)

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### Programmes 25-27 - Academic General & GI Surgery – based at St Mary’s Hospital

Reference: 1617/IMP/25  
Reference: 1617/IMP/26  
Reference: 1617/IMP/27

Individual Placement Descriptor (IPD) for the four month academic placement  
Separate IPDs for clinical placements are available on foundation school website

### Type of programme

This is an Academic surgical research programme based at St Mary’s Hospital.

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<tr>
<th>Employing trust:</th>
<th>Academic placement based at:</th>
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<tr>
<td>Imperial College Healthcare NHS Trust</td>
<td>St Mary’s Hospital</td>
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</table>
**Brief outline of department**

The Department is highly multi-disciplinary and includes multiple internationally renowned academic and clinical foci including surgical technology development, discovery biochemistry, cancer biology and medicine, reproductive medicine, critical care and pain management.

Their goals are to harmonise and develop existing research themes across the Department, and also to capitalise on world leading molecular phenotyping and metabolic profiling research capabilities to create a new healthcare paradigm based on a molecules-to-medicine approach. In particular, we will channel exciting new technology developments into clinical practice with particular emphasis on development of personalised healthcare and patient and patient stratification strategies across all our clinical delivery programmes.

The Department has established four research themes with the objective of integrating new technologies into personalised healthcare at the point-of-care to improve patient outcomes. These are:

- Molecular Phenotyping Directed Personalised Healthcare
- Population, Behaviour and Health Services Research
- Molecular Cell Biology and Immunology
- Surgical and Robotic Technologies

The department also has a major role in the delivery of teaching in surgery and O&G across all levels of the undergraduate curriculum as well as to postgraduates.

**Structure of academic project/what expected**

This AF2 year is based at St Mary’s hospital and consists of four months General Surgery, four months A&E, and four months in Academic Surgery which will be based in the Division of Surgery at St Mary’s Hospital. The post holder will be responsible to the Head of Division of Surgery, Professor George Hanna, and accountable to the Head of Department, Professor Jeremy Nicholson, Professor Ara Darzi and Paul Ziprin, Senior Lecturer.

The purpose of this post is to provide a protected period of time and support to achieve competencies in different fields of academia as outlined in the Academic Foundation portfolio. The post is particularly focused on enabling Academic F2 doctors to gain experience in research and build a research profile from which they can apply for ACF posts and apply for research fellowships towards a higher degree.

They will be assisted to develop their teaching and managerial/leadership skills and to contribute to undergraduate teaching. The F2 will have access to clinical and non-clinical academics who can guide them in the development of their academic and research programmes.

F2s will be introduced to the research themes of the department and potential projects from the Division of Surgery that would be suitable for the period of research. They will be free to choose the supervisor and project that most appeals to them provided it is likely to enable the trainee to meet the aims of this programme.
Clinical commitments during academic placement

During the academic surgical placement, the F2 will participate on the day and night on-call rota at SHO level but will be free of routine elective clinical work.

Departmental academic teaching programme (if applicable)

There is weekly departmental teaching as well as weekly Trust F2 teaching.

Academic Lead:

Dr Paul Ziprin
Consultant Surgeon
p.ziprin@imperial.ac.uk

4. THE MEDICAL SCHOOL AND PARTNER TRUSTS

Imperial College London

Imperial College London is one of the world’s leading universities. The quality of the college’s research has been judged consistently to be of the highest international standard and the proportion of income from research grants and contracts is one of the highest of any UK university. The concentration and strength of research in science, engineering and medicine gives the college a unique and internationally distinctive research presence.

The college operates on a number of central London campuses: the South Kensington campus along with Charing Cross, Chelsea & Westminster, the Hammersmith, the Royal Brompton, St Mary’s, Northwick Park and Central Middlesex hospitals.

Academic Health Science Centre

Imperial College Healthcare NHS Trust was created on 1 October 2007, by merging Hammersmith Hospitals NHS Trust and St Mary's NHS Trust. The Trust is the largest NHS Trust in the country, providing general and specialist care for patients nationwide as well as serving a large local community in west London. The new Trust and Imperial College London formed a unique partnership and together they became the UK’s first Academic Health Science Centre (AHSC). On 9 March 2009, they received official recognition as an AHSC from the UK government.

The AHSC is a new approach to healthcare in the UK, bringing a university and the NHS together and running them hand in hand to provide the best healthcare in the world, free at the point of delivery. It represents a concentration of doctors, nurses, scientists and managers all dedicated to providing the best quality healthcare and finding new ways to treat diseases and conditions that affect your health. It is led by Professor Stephen Smith, who is both Principal of the Faculty of Medicine at the College and Chief Executive of the Trust.

The vision for Imperial’s academic health science centre is that the quality of life of patients and local populations will be vastly improved by taking the discoveries that are made and translating them into medical advances - new therapies and
techniques - and by promoting their application in the NHS and around the world, in as fast a timeframe as is possible.

The AHSC mission is to become one of the top five AHSCs in the world within the next ten years, channelling excellence in research to provide world-class healthcare for patients. Achieving this challenging mission will significantly improve the quality of healthcare for the local community, London and the UK as a whole, and enhance the UK’s position as a global leader in biomedical research and healthcare.

**Northwick Park Hospital**
Northwick Park Hospital provides a full range of services including a £19 million refurbished maternity unit, a £2.6m radiology suite, a new paediatric A&E and maxillofacial unit. The Hospital employs 4,200 doctors, nurses, therapists, scientists and other health professionals as well as administrative and support staff, making them one of the biggest employers locally. They are a major centre for undergraduate and postgraduate education – teaching many nurses, doctors and other health professionals each year.

**Chelsea & Westminster Hospital**
Chelsea and Westminster Hospital NHS Foundation Trust is an undergraduate teaching hospital that is part of Imperial College School of Medicine and provides a wide range of specialist hospital services within an environment of academic specialization as well as general local services for people living locally. The hospital is a modern purpose designed and built facility which opened in May 1993. Most services are based at the Chelsea and Westminster Hospital site but the Trust also runs a highly successful network of HIV and sexual health centres. There are five Clinical Directorates: Anaesthetics & Imaging, Medicine, Surgery, Women & Children, and HIV & Sexual Health.

The hospital has developed increasing academic strength and taken on significant new research and development commitments. For example they were successful in securing more than £1 million in funding for the Eagle Simulator, a virtual operating theatre located at Chelsea and Westminster for training in anaesthesia and critical care. The Simulation Centre forms part of a Good Clinical Practice Centre, which incorporates a Clinical Skills Laboratory, Manual Handling training and Resuscitation training. The Centre is at the forefront of multi-disciplinary education and training.
1. INTRODUCTION
There are 18 places comprising different specialty-based academic programmes.

Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.

2. DETAILS OF TRAINING PROGRAMMES

A spread sheet summarising all of the available programmes is available to download from [http://www.stfs.kss.hee.nhs.uk/tfs-academic-foundation-programme-recruitment](http://www.stfs.kss.hee.nhs.uk/tfs-academic-foundation-programme-recruitment).

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<th>Programme Theme</th>
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<tbody>
<tr>
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<td>King’s College Hospital</td>
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<td>1617/KCL/02</td>
<td>Diabetes</td>
<td>King’s College Hospital</td>
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<td>King’s College Hospital</td>
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<td>Guy’s &amp; St Thomas’ Hospitals</td>
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<tr>
<td>1617/KCL/10</td>
<td>Allergy &amp; Respiratory Medicine</td>
<td>Guy’s &amp; St Thomas’ Hospitals</td>
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<tr>
<td>1617/KCL/11</td>
<td>Clinical Genetics</td>
<td>Guy’s &amp; St Thomas’ Hospitals</td>
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<tr>
<td>1617/KCL/12</td>
<td>Medical Education</td>
<td>Guy’s &amp; St Thomas’ Hospitals</td>
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<tr>
<td>1617/KCL/13</td>
<td>Infectious Diseases</td>
<td>Guy’s &amp; St Thomas’ Hospitals</td>
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<td>1617/KCL/14</td>
<td>Oncology</td>
<td>Guy’s &amp; St Thomas’ Hospitals</td>
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<td>1617/KCL/15</td>
<td>Surgery</td>
<td>Guy’s &amp; St Thomas’ Hospitals</td>
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<tr>
<td>1617/KCL/16</td>
<td>Pharmacology/Cardiovascular</td>
<td>Guy’s &amp; St Thomas’ Hospitals</td>
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<tr>
<td>1617/KCL/17</td>
<td>Nephrology</td>
<td>Guy’s &amp; St Thomas’ Hospitals</td>
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<tr>
<td>1617/KCL/18</td>
<td>Psychological Medicine and Psychiatry</td>
<td>King’s College Hospital/ Guy’s &amp; St Thomas’ Hospital/SLAM</td>
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<tr>
<td>1617/KCL/19</td>
<td>Psychiatry</td>
<td>King’s College Hospital</td>
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</table>

Each of the 18 specialty-based schemes offers core clinical and generic academic training. The programmes are based at Guy’s and St Thomas’ (GSTT) or King’s College Hospital (KCH) and KCL for 2 years. The F2 year comprises a 4-month clinical placement with a leading clinical academic firm, a 4-month high-quality dedicated academic placement, and a 4-month attachment in A&E or an Acute Medicine Admissions Unit (high intensity training in acute medicine) to enable the acquisition of core competencies.
3. PLACEMENTS

Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.

Programme 1 – Paediatrics – based at King’s College Hospital
Reference: 1617/KCL/01

Individual Placement Descriptor (IPD) for the four month academic placement
Separate IPDs for clinical placements are available on foundation school websites

<table>
<thead>
<tr>
<th>Type of programme</th>
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<tbody>
<tr>
<td>The research placement will be based within the Lung Biology research group (Paediatrics) in the Division of Asthma, Allergy and Lung Biology.</td>
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<tr>
<th>Employing trust:</th>
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<thead>
<tr>
<th>Brief outline of department</th>
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<tbody>
<tr>
<td>The Lung Biology research group is led by Professor Anne Greenough. The research interests include antenatal lung growth, neonatal and paediatric mechanical ventilation, prevention of chronic respiratory morbidity and the impact of viral and chronic paediatric disorders on lung function.</td>
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<thead>
<tr>
<th>Structure of academic project/what expected</th>
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<tbody>
<tr>
<td>The trainee will undertake a well-defined research project within the research programme according to their interests. During the clinical placement, the trainee will develop core competencies within the context of the healthcare management of newborn infants and their families, assist in teaching of undergraduate students and be involved in the research interests of the group. The Divisional research programmes are internationally competitive and in 2005, the MRC awarded funds to establish a MRC-Asthma UK Centre in Allergic Mechanisms of Asthma in partnership with Asthma UK, Imperial College and associated NHS Trusts.</td>
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<tr>
<th>Clinical commitments during academic placement</th>
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<tr>
<td>None during the four months of the academic programme.</td>
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<table>
<thead>
<tr>
<th>Departmental academic teaching programme (if applicable)</th>
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</thead>
<tbody>
<tr>
<td>Weekly journal club, grand round and research meeting.</td>
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</table>
Programme 2 – Diabetes – based at King’s College Hospital
Reference: 1617/KCL/02

Individual Placement Descriptor (IPD) for the four month academic placement
Separate IPDs for clinical placements are available on foundation school websites

**Type of programme**

The Diabetes Research programme at Denmark Hill offers opportunities for research ranging from laboratory science in islet physiology and in appetite control, through experimental medicine studies in human metabolism to qualitative research into patient experience and education.

**Employing trust:**

King’s College Hospital NHS Foundation Trust

**Academic placement based at:**

King’s College Hospital

**Brief outline of department**

The Diabetes Research Group encompasses the islet physiology laboratories on the Denmark Hill and Guy’s campuses, where basic research into islet function and growth inform clinical studies in beta cell replacement in type 1 diabetes (Profs Jones and Persaud, Drs Choudhary and Huang); the experimental medicine group exploring human metabolism with questions around the impact of ethnicity on the dysregulation of metabolism that leads to type 2 diabetes (Prof Amiel, Dr Goff), the central control of metabolism in both hypoglycaemia in insulin therapy and the dysregulation of appetite control in type 2 diabetes and obesity (Profs Amiel and Mingrone) and the use of new technologies in insulin delivery and glucose sensing in the improvement of diabetes control and particularly in the prevention of hypoglycaemia in Type 1 patients (Prof Amiel, Dr Choudhary). We use laboratory research, insulin clamping, cognitive testing, neuroimaging and clinical trials. A new programme is in the investigation of the mechanisms by which bariatric surgery improves metabolic control (Prof Rubino).

We also have an award-winning programme in mental health in diabetes, focussing on the mechanisms for interaction between depression and diabetes outcomes; the role of “talking therapies” in improving diabetes control and the use of psychotherapy in the prevention of problematic hypoglycaemia.

**Structure of academic project/what expected**

We offer options in clinically based or laboratory based projects. Previous academic F2 posts have developed novel tools and protocols for assessing the brain’s response to food intake using fMRI; investigated the potential for on-line glucose monitoring to predict hypoglycaemia risk, studied the prevalence and duration of diabetes after liver transplantation; developed a new bench assay to assess
activation of clotting cascades by human islets and investigated social drift in people with a new diagnosis of diabetes

**Clinical commitments during academic placement**

**Departmental academic teaching programme (if applicable)**

There are weekly academic meetings in diabetes at Denmark Hill and weekly lab meetings on the Guy’s (islets) and Denmark Hill (experimental medicine) throughout the year. Training will be available to support the project work.

**Academic Lead:**

Professor Stephanie Amiel  
Professor of Diabetic Medicine and Head of Diabetes & Nutritional Sciences Division  
stephanie.amiel@kcl.ac.uk

**Programme 3 – Hepatology – based at King’s College Hospital**  
Reference: 1617/KCL/03

Individual Placement Descriptor (IPD) for the four month academic placement  
Separate IPDs for clinical placements are available on foundation school websites

**Type of programme**

Within the Institute of Liver Studies we will be offering a choice of research projects which the academic foundation year can choose from encompassing immune tolerance in the context of liver transplantation, autoimmune liver disease, alcohol-related liver disease, gut microbiota and innate immune dysfunction in the context of acute and chronic liver disease.

**Employing trust:**  
King's College Hospital NHS Foundation Trust

**Academic placement based at:**  
King’s College Hospital

**Brief outline of department**

The Institute of Liver Studies mission is to produce research that impacts directly on patient care by perfecting surgical techniques and supportive management of the failing liver and elucidating mechanisms of liver damage to develop specific and more efficient modes of treatment.

**Structure of academic project/what expected**

The academic foundation year allocated to this programme will perform translational laboratory research (from bedside to bench or vice versa) on a project within our research portfolio which will be tailored to the interests and skills of the Academic Foundation Year Trainee.

**Clinical commitments during academic placement**

Friday afternoon complex hepatology clinic with Dr Shawcross or a clinic of the
trainee’s choosing relevant to their research area.

**Departmental academic teaching programme (if applicable)**

- Weekly Wednesday morning hepatology teaching from 8.00 – 9.00am.
- Participation in the Divisional [Transplant Immunology Mucosal Biology] Academic Programme Activities including academic seminars and postgraduate student activities.
- Opportunity to attend national (British Society of Gastroenterology and British Association for The Study of the Liver) and international liver conferences (EASL/AASLD) to complete postgraduate course and/or present research data in abstract form as appropriate.

**Academic Leads:**

Debbie Shawcross  
Clinical Senior Lecturer in Hepatology  
[Debbie.shawcross@kcl.ac.uk](mailto:Debbie.shawcross@kcl.ac.uk)

Professor Alberto Sanchez Fueyo  
Head of Liver Sciences  
[sanchez_fueyo@kcl.ac.uk](mailto:sanchez_fueyo@kcl.ac.uk)

**Programme 4 – Cardiovascular – based at King’s College Hospital**  
Reference: 1617/KCL/04

Individual Placement Descriptor (IPD) for the four month academic placement  
Separate IPDs for clinical placements are available on foundation school websites

**Type of programme**

A combined clinical and research training programme ideally suited to individuals with prior undergraduate research experience who are interested in a cardiovascular clinical academic career.

**Employing trust:**  
King’s College Hospital NHS Foundation Trust

**Academic placement based at:**  
King’s College Hospital

**Brief outline of department**

The Cardiovascular Clinical-Academic Grouping integrates the KCL Cardiovascular Division and the King's Health Partners clinical cardiovascular services. We host a British Heart Foundation Centre of Research Excellence, recently renewed for a second term. The Division has 40 PIs (including 4 BHF Professors) and >50 PhD/MD students among 200 staff. We pursue a wide range of laboratory-to-bedside research programmes, including many areas of internationally leading work ([http://www.kcl.ac.uk/medicine/research/divisions/cardio/index.aspx](http://www.kcl.ac.uk/medicine/research/divisions/cardio/index.aspx)). Clinical training is undertaken at King's College Hospital (KCH), a leading UK cardiac centre with a comprehensive range of cardiology/cardiac surgery services and a strong track record of clinical innovation.
**Structure of academic project/what expected**

A 4 month full-time laboratory attachment based within the James Black Centre, a state-of-the-art institute with outstanding research facilities at KCH. Projects are agreed between the trainee and educational supervisor at the beginning of the F2 year. Research areas include cardiac hypertrophy, heart failure, vascular dysfunction, vascular aging, proteomics and inflammation - each led by a senior PI. The trainee should expect to be involved in a topical project with exposure to state-of-the-art research techniques, and develop some ideas about future PhD training projects. It may be feasible to continue some research during the 4-month clinical cardiology rotation that follows the academic placement.

**Clinical commitments during academic placement**

No formal clinical commitments but attendance at clinical educational seminars is encouraged.

**Departmental academic teaching programme (if applicable)**

A weekly laboratory seminar programme, 1-2 BHF Centre international seminars per month.

**Academic Lead:**

Professor Ajay M Shah  
BHF Professor of Cardiology & Director of the King’s BHF Centre of Excellence.  
[ajay.shah@kcl.ac.uk](mailto:ajay.shah@kcl.ac.uk)

**Programme 5 – Haematology – based at King’s College London**  
Reference: 1617/KCL/05

Individual Placement Descriptor (IPD) for the four month academic placement

Separate IPDs for clinical placements are available on foundation school websites

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**Brief outline of department**

The Department of Haematological Medicine is a large department covering all aspects of haematology at both clinical and academic levels. The department is based at Denmark Hill, with research laboratories on the same site in the James Black Centre and Rayne Institute. Across haematology, there is a wide range of translational research in the different sub-specialities supported by expertise in a broad range of molecular and cellular biology techniques and excellent infrastructure.
Structure of academic project/what expected

The four-month clinical attachment will be based in the Department of Haematological Medicine (Head of Department – Professor G Mufti). It will provide exposure to a broad spectrum of the different sub-specialities; red cell and Paediatric haematology, including sickle cell disease and other haemoglobinopathies, and genetic counselling of these disorders (Professor David Rees, Drs Moji Awogbade, Subarna Chakravorty and Sue Height); haemat-o-oncology and bone marrow failure (Professors G Mufti, Judith Marsh, Tony Pagliuca, Steve Schey, and Steve Devereux); thrombosis and haemostasis (Professor Roopen Arya and Dr Raj Patel), and blood transfusion (Dr Alek Mijovic).

It is envisaged that the trainee spends one month in each of the four sub-specialties, during which s/he will attend the relevant consultant-led clinics, speciality ward rounds and clinical meetings, in addition to the weekly departmental seminars, joint X ray, joint histopathology and Case-of-the-week meetings. Each sub-speciality will have its own time-table of meetings and clinics.

There is no on-call or out-of-hours commitment in this post but it is expected that the trainee will be able to be flexible about hours to encompass the demands of research. The research/laboratory attachment will be with Professor Rees’s red cell haematology group (Head, Professor Rees) or any of the other haematology sub-groups. Haematology research laboratories are based in the James Black Centre and the Rayne Institute which are equipped with state-of-the-art facilities.

The trainee will be exposed to data collection and analysis and a broad range of clinical and non-clinical research. The trainee will undertake a well-defined project within the research programme under the guidance of one of the Principle Investigators in haematology; this may include some bench work.

Clinical commitments during academic placement

Variable depending on interests, but attachment to all the major haematology departments

Departmental academic teaching programme (if applicable)

N/A

Academic Lead:

Professor David Rees
Consultant Paediatric Haematologist
david.rees2@nhs.net

Programme 7, 8 and 9 – Pharmacology – based at Guy’s and St Thomas’ Hospitals
Reference: 1617/KCL/07
Reference: 1617/KCL/08
Reference: 1617/KCL/09
Individual Placement Descriptor (IPD) for the four month academic placement
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**Brief outline of department**

Guy’s Drug Research Unit (GDRU), now Quintiles Drug Research Unit, at Guy’s Hospital, evolved from the interaction of academics at Guy’s Hospital Medical School and the pharmaceutical industry working together in early drug development. The Unit has investigated over 300 new small molecules and biologics in man. Quintiles Drug Research Unit has a 55 bed unit adjacent to the Hodgkin Building at the Guy’s site of King’s College, London and a 35 bed unit on the 14th floor of the Tower Wing (part of the “Translational Medicine Hub”) also on the Guy’s site. In 1995 GDRU was acquired by Quintiles, the leading international contract research organisation. Founded in 1982 by Dennis Gillings, a British biostatistician then based at the University of North Carolina. Quintiles now has approximately 29,000 employees and has offices in 60 countries. Quintiles has helped develop or commercialise the world’s top 30 best selling drugs. Past academic projects include: The lack of uniformity in recording Race & Ethnicity in Pharmacology Studies (prize winner & presented as a poster at BPS). Diurnal variation in Serum Creatinine in Phase 1 studies, Phase 1 study of a novel RNA/DNA aptamer in Haemophilia.

**Structure of academic project/what expected**

Training and experience will be available in exploratory, early phase drug development, tailored to suit the trainee. Most of the training offered will be available on the Guy’s site: in addition to clinical pharmacology, subjects may include management principles and skills, good clinical practice, communication skills, computer skills, assisting in writing informed consent documents and Ethics Committee applications, conducting and writing up a personal research project.

The senior medical staff are Professor Tim Mant and Professor James Ritter. There are currently 4 full time specialist trainees in Pharmaceutical Medicine.

**Clinical commitments during academic placement**

**Departmental academic teaching programme (if applicable)**

N/A

**Academic Lead:**

Professor Tim Mant  
Clinical Supervisor  
tim.mant@kcl.ac.uk
**Programme 10 – Allergy and Respiratory Medicine – based at Guy's and St Thomas’ Hospitals**  
Reference: 1617/KCL/10

Individual Placement Descriptor (IPD) for the four month academic placement  
Separate IPDs for clinical placements are available on foundation school websites

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**Brief outline of department**

The post will be based within the Division of AALB in KCL, which has very close links with the Allergy and Respiratory Medicine NHS Services at Guy's & St Thomas' NHS Foundation Trust. The Divisional research programmes are internationally competitive. In 2005 the MRC awarded funds to establish a MRC-Asthma UK Centre in Allergic Mechanisms of Asthma at KCL in partnership with Asthma UK, Imperial College and associated NHS Trusts. Divisional research programmes are supported by three current programme grants (one from MRC, one from Wellcome Trust and one from NIHR); grants from the Immune Tolerance Network; and Food Standards Agency. The total value of research awards in the Division is c. £31.4m. Broad research areas covered include IgE structure, function and regulation; airways inflammation fibrosis and remodelling; prevention and therapy of allergy, asthma and chronic respiratory morbidity; tight junction biology; the EFGR network in normal airway epithelium and lung cancer; and Endobronchial Ultrasound in the diagnosis and management of Thoracic Diseases and lung physiology. The clinical/basic science interface is key to the Division’s success. Close interactions between non-clinical and clinical scientists provide improved opportunities for new ideas to arise and for discoveries from gene to bedside to be fully exploited for the benefit of health care.

**Structure of academic project/what expected**

The trainee will join a PI in the Division and will undertake a well-defined research and training programme specific to his/her needs.

**Clinical commitments during academic placement**

Blocked clinical training in subspecialty respiratory medicine – including lung fibrosis, lung cancer, Lane Fox.

**Departmental academic teaching programme (if applicable)**

On-going training programme with laboratory meetings, research in progress meetings and generic research methods training.
**Programme 11 – Clinical Genetics – based at Guy’s and St Thomas’ Hospitals**

Reference: 1617/KCL/11

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**Brief outline of department**

The Division of Genetics and Molecular Medicine works at the leading edge of current analytical and molecular technologies so as to identify the familial components of most common medical conditions including inflammatory bowel disease, psoriasis, breast cancer, macular degeneration, osteoporosis, osteoarthritis and schizophrenia as well as rare genetic disorders. Our aim is to be able to determine the relative risk to any individual with a family history of the disease, so as to either intervene or provide appropriate screening. Those genes identified as contributing to genetic predisposition, or indeed those being the sole contributors to Mendelian disorders, such as Huntington’s Disease, are also studied at a molecular level so as to determine their basic cellular functions with the ultimate aim of development of drug therapies. The Division works closely with a large diagnostic laboratory which works in conjunction with the Genetics Clinic. The patient base of the clinic includes those requiring pre-natal and paediatric diagnosis and counselling as well as a large spectrum of adult disorders, the largest of which is cancer predisposition and which also include disorders in ophthalmology, dermatology, neurology and endocrinology.

For further information see our website:
[www.kcl.ac.uk/lsm/research/divisions/gmm/index.aspx](http://www.kcl.ac.uk/lsm/research/divisions/gmm/index.aspx)

**Structure of academic project/what expected**

**Clinical commitments during academic placement**

**Departmental academic teaching programme (if applicable)**

N/A
**Academic Lead:**

Professor Gillian Bates  
gillian.bates@kcl.ac.uk

**Programme 12 – Medical Education – based at King’s College London, Guy’s Campus**  
Reference: 1617/KCL/12

Individual Placement Descriptor (IPD) for the four month academic placement  
Separate IPDs for clinical placements are available on foundation school websites

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<tbody>
<tr>
<td>The Academic Foundation Programme in Medical Education offers practical involvement in medical education and educational research.</td>
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**Brief outline of department**

The School of Medical Education, with our collaborating partner, The University of Washington in Seattle, have been awarded BICC Status. A BICC is an international collaborating centre committed to identifying and promoting best evidence in medical education. We are committed to educational research and evidence based medical education practices. (BICCs are part of the Best Evidence Medical Education (BEME) Collaboration, sponsored by the Association of Medical Education in Europe, AMEE).

Previous foundation doctors have been involved with projects at the Simulation and Interactive Learning (SaIL) Centre, Institute of Psychiatry and the Department of Primary Care and Public Health; as well as contributing to on-going projects at the Division of Medical Education, in areas such as ethics and law, e-learning, and delivery of the curriculum. There are opportunities to be involved with teaching at both Guy’s and St Thomas’ NHS Foundation Trust and King’s College London School of Medicine during the two years of the Programme.

**Structure of academic project/what expected**

The F2 appointee would be expected to participate in the teaching and assessment activities of the School of Medical Education and would be expected to do a research project within medical education which would be supervised by Medical Education Research and Innovation Team staff. Research areas include: curriculum planning, teaching and learning practices in classroom and clinical settings, feedback and assessment, admissions, technology supported learning and faculty development. Innovative ideas would be welcomed and forward planning of the projects will be required as ethics permission may need to be sought. Research findings would be presented locally, nationally and if appropriate internationally. Publication of results will be encouraged and supported, where appropriate.
### Clinical commitments during academic placement

The F2 appointee is part of the Academic on-call rota for General Internal Medicine.

### Departmental academic teaching programme (if applicable)

There is a programme of Medical Education Lectures throughout the year. Opportunities for support and mentorship.

### Academic Lead:

Dr Anne McKee  
Senior Lecturer  
Director of Educational Research and Innovation  
[Anne.Mckee@kcl.ac.uk](mailto:Anne.Mckee@kcl.ac.uk)

### Programme 13 – Infectious Diseases – based at Guy’s and St Thomas’ Hospitals

Reference: 1617/KCL/13

Individual Placement Descriptor (IPD) for the four month academic placement  
Separate IPDs for clinical placements are available on foundation school websites

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### Brief outline of department

The Department of Infectious Diseases supports multi-disciplinary research that bridges rich clinical resources in the areas of infectious diseases and sexually transmitted diseases with the strengths of KCL’s Health Schools in basic biomedical research. The Department comprises research laboratories at two sites: virology is undertaken in the Borough Wing of Guy's Hospital, while microbiology is studied in the North Wing at St Thomas’ Hospital (Centre for Clinical Infection and Diagnostics Research, CIDR). The Department is also home to the KCL Infectious Diseases Biobank, which serves as a centralised archiving and molecular analysis facility that assists scientists undertaking cohort-based projects.

Our virologists exploit assorted molecular genetic, cultured cell, biochemical, structural, bioinformatic, systems and cohort-based methodologies to study the biological and molecular principles that underpin virus transmission, replication, pathogenesis and immunity. Current areas of interest include HIV/AIDS, filoviruses (e.g., Ebola virus), parvoviruses, HCV, host-virus interactions, innate and adaptive immune responses, viral assembly and stem cell manipulation. The CIDR is organised into four sections: healthcare associated infections, epidemiology and modelling, diagnostics and clinical infection. Its chief objectives are to translate output from clinically relevant observational, intervention and pathogenesis studies, together with diagnostic development, to the prevention and treatment of infectious
diseases. For example, the Centre leads a multicentre clinical trial addressing the management of severe bacterial infections. Previous trainees have worked on mechanisms of cell-mediated control of HIV infection, HIV budding and the determinants of MRSA transmission.

http://www.kcl.ac.uk/lsm/research/divisions/diiid/index.aspx

**Structure of academic project/what’s expected**

Projects in the Department involve full-time research. It is likely that this will involve extensive “wet-lab” experimentation, often handing infectious micro-organisms, though certain projects may have a heavier computational/bioinformatic focus. In all cases scientific rigour, discussion and collaboration are expected. A diverse portfolio of projects is on offer, and the final selection is largely determined by the particular interests of trainees. Participation in relevant research presentations, seminar series and lab meeting is required.

**Clinical commitments during academic placement**

None

**Departmental academic teaching programme (if applicable)**

The Department undertakes undergraduate and postgraduate teaching.

**Academic Lead:**

Professor Michael Malim  
Head, Division of Immunology, Infection and Inflammatory Disease  
michael.malim@kcl.ac.uk

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**Programme 14 – Oncology – based at Guy’s and St Thomas’ Hospitals**

Reference: 1617/KCL/14

Individual Placement Descriptor (IPD) for the four month academic placement

Separate IPDs for clinical placements are available on foundation school websites

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**Brief outline of department**

Cancer research at KCL comprises a multidisciplinary research portfolio that maps onto and spans the entire cancer patient journey. Programmes are directed towards innovative patient care, with a presence at all stages of the iterative bench-to-bedside-to-bench cycle. This embraces patient-based molecular data collection, bioinformatics, intervention development, clinical trials and trial analysis. The
Division of Cancer Studies is the fastest growing Oncology activity in the UK, with 9 Professors and a research staff numbering over 200. It is integrated with the Trusts’ clinical delivery, extending onto all three hospital sites.

The Division is organised into research themes of cancer population and global health, cancer genomics, molecular haematology, lymphoma, leukaemia, cancer immunology and immunotherapy, cancer early phase trials, cancer imaging, biobanking, breast cancer, cancer biology, prostate cancer and gastrointestinal cancer.

These research themes are allied by cross-cutting activities and expertise in: tissue banking and analysis, proteomics, genomics, statistics, cell and tissue imaging, gene therapy, cancer stem cells, tumour microenvironment, signal transduction, cell cycle and transcription, genetics, functional imaging and psycho-social oncology.

### Structure of academic project/what expected

The trainee will join a PI within the Division and will undertake a well-defined research project matched to the interests of the trainee, with associated training programme specific to their needs.

### Clinical commitments during academic placement

No formal clinical commitments, but dependent on the exact project to be undertaken may benefit from attendance at specialist outpatient clinics.

### Departmental academic teaching programme (if applicable)

N/A

### Academic Lead:

Dr Debashis Sarker  
Senior Lecturer in Medical Oncology  
debashis.sarker@kcl.ac.uk

### Programme 15 – Surgery – based at Guy’s and St Thomas’ Hospitals

Reference: 1617/KCL/15

Individual Placement Descriptor (IPD) for the four month academic placement

Separate IPDs for clinical placements are available on foundation school websites

### Type of programme

Academic Foundation Year Training (Research) Programme

<table>
<thead>
<tr>
<th>Employing trust:</th>
<th>Academic placement based at:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guy’s and St Thomas’ NHS Foundation Trust</td>
<td>Guy’s and St Thomas’ Hospitals</td>
</tr>
</tbody>
</table>

### Brief outline of department

King’s Health Partners Vascular Unit at St Thomas’ Hospital is the largest in the
country and is a leading centre for the treatment of complex vascular diseases including aneurysms, carotid, peripheral arterial, venous thrombotic and lymphatic disease.

The combined clinical-academic unit is part of the BHF Centre of Research Excellence for Cardiovascular Disease. It comprises a Professor of Vascular Science, a Clinical Reader in vascular Surgery, 4 NIHR Clinical Lecturers, post-doctoral scientists, Clinical Research Fellows, and an NIHR Academic Clinical Fellow.

Our research uses a multi-disciplinary approach that includes the development and application of biochemical, physiological, genetic, molecular and imaging techniques, as well as relevant models of vascular disease. It is facilitated by local, national and international collaborations that have enabled many publications in high impact factor journals and successful funding from MRC, Welcome, BBSRC, BHF and the Royal College of Surgeons.

<table>
<thead>
<tr>
<th>Structure of academic project/what expected</th>
</tr>
</thead>
<tbody>
<tr>
<td>The unit has laboratory facilities including molecular biology, tissue culture and histology and access to state of the art equipment and expertise. There will also be opportunity to develop generic and specific research skills at training courses within KCL.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Clinical commitments during academic placement</th>
</tr>
</thead>
<tbody>
<tr>
<td>A very limited number of weekend and evening shift on call sessions during the academic placement.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Departmental academic teaching programme (if applicable)</th>
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</thead>
<tbody>
<tr>
<td>The unit holds an academic meeting for juniors and consultants on the first day of each week. The department has 4 postdoctoral scientists who can teach research techniques and methodology as required. The successful candidate will have access to researcher development courses run by KCL.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Academic Lead:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr Bijan Modarai PhD FRCS</td>
</tr>
<tr>
<td>Reader in Vascular Surgery</td>
</tr>
<tr>
<td>Consultant Vascular Surgeon</td>
</tr>
<tr>
<td>British Heart Foundation Fellow</td>
</tr>
<tr>
<td><a href="mailto:bijan.modarai@kcl.ac.uk">bijan.modarai@kcl.ac.uk</a></td>
</tr>
</tbody>
</table>

**Programme 16 – Pharmacology/Cardiovascular – based at Guy’s and St Thomas’ Hospitals**  
Reference: 1617/KCL/16

Individual Placement Descriptor (IPD) for the four month academic placement  
Separate IPDs for clinical placements are available on foundation school websites

<table>
<thead>
<tr>
<th>Type of programme</th>
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</thead>
<tbody>
<tr>
<td>Research</td>
</tr>
</tbody>
</table>

Version: 1  
Page 90
Many critical cellular processes that determine myocardial viability and function are regulated through intracellular signalling pathways that respond to environmental or mechanical stimuli and lead to chemical modification of downstream targets. The focus of our work is on the signalling pathways that determine myocardial viability and function within the context of ischaemic heart disease. Our particular interest is in clinical and experimental studies of adaptation to ischaemia through the growth of coronary collaterals, adaptive changes in blood flow within the microcirculation and myocardial conditioning. We investigate collaterals and conditioning using the whole range of basic and clinical laboratory techniques as well as advanced imaging with MRI. The Research theme lies in the Cardiovascular Division on the St Thomas' Hospital Campus and involves an interdisciplinary group of clinicians and scientists based in the Rayne Institute and within the Clinical cardiology unit in East Wing. The other relevant investigators working with Michael Marber include Simon Redwood, Divaka Perera, Metin Avkiran, Michael Shattock, Phil Eaton, Jon Kentish, Mike Curtis, Reza Razavi, Eike Nagel and Rene Botnar.

**Structure of academic project/what expected**

**Clinical commitments during academic placement**

**Departmental academic teaching programme (if applicable)**

N/A

**Academic Lead:**

Professor M Marber
Professor of Cardiology, KCL
[Mike.marber@kcl.ac.uk](mailto:Mike.marber@kcl.ac.uk)

**Programme 17 – Nephrology – based at Guy's and St Thomas’ Hospitals**

Reference: 1617/KCL/17

Individual Placement Descriptor (IPD) for the four month academic placement

Separate IPDs for clinical placements are available on foundation school websites

**Type of programme**

Research
**Brief outline of department**

The King’s College London Division of Transplantation Immunology and Mucosal Biology (TIMB) covers a range of clinical and scientific research including nephrology, transplantation, liver and gastrointestinal tract studies. The Division serves as a base for two major cross-cutting centres: The MRC Centre for Transplantation and The NIHR Biomedical Research Centre Transplant Theme. The MRC Centre for Transplantation aims to translate basic discovery into new therapeutic, diagnostic and prognostic applications. Major research programmes within the centre include complement, innate immunity, complement, coagulation, immune biology, immune regulation, T cell development, genetics, imaging and tolerance biology. Its science base embraces liver, kidney, pancreas, bone marrow, islets, hepatocyte and stem cell transplantation, in what is one of the largest patient groups in Europe. Further information about research within the TIMB Division can be found at [http://www.kcl.ac.uk/medicine/research/divisions/timb/research/index.aspx](http://www.kcl.ac.uk/medicine/research/divisions/timb/research/index.aspx).

The Liver, Renal, Urology, Transplant, Gastro/GI Surgery Clinical Academic Group within King’s Health Partners brings clinicians and academics from across the three campuses together. The CAG is bringing forward a strategy to align clinical, academic and training and education excellence across this large grouping.

**Structure of academic project/what expected**

The trainee will undertake a research programme in one of those areas.

**Clinical commitments during academic placement**

None required, though clinical experience can be arranged if requested.

**Departmental academic teaching programme (if applicable)**

N/A

**Academic Lead:**

Michael Robson  
Consultant nephrologist and Senior Lecturer  
michael.robson@kcl.ac.uk

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**Programme 18 – Psychological Medicine and Psychiatry – based at King’s College Hospital/Guy's and St Thomas' Hospital**

Reference: 1617/KCL/18

Individual Placement Descriptor (IPD) for the four month academic placement  
Separate IPDs for clinical placements are available on foundation school websites

**Type of programme**

Research
Employing trust:  Guy's and St Thomas' NHS Foundation Trust

Academic placement based at:  King's College Hospital/Guy's and St Thomas' Hospitals

**Brief outline of department**

The Department of Psychological Medicine sits within the division of Academic Psychiatry, part of the Institute of Psychiatry, Psychology and Neuroscience (IoPPN). The IoPPN is a School of King's College London and the largest academic community in Europe devoted to the study and prevention of mental illness and brain disease. The IoPPN comprises three Academic Divisions in Neurosciences; Academic Psychiatry; and Psychological & Systems Sciences. These encompass researchers with interests in addictions, biostatistics, child and adolescent psychiatry, basic and clinical neuroscience, forensic mental health sciences, health service and population research, neuroimaging, psychology, psychological medicine, old age psychiatry and psychosis studies.

**Structure of academic project/what expected**

The successful applicant for the F2 programme can therefore choose from a huge range of fields in which to carry out research. These can be seen on the website of the IoPPN [http://www.kcl.ac.uk/ioppn/divisions/index.aspx](http://www.kcl.ac.uk/ioppn/divisions/index.aspx). This includes general hospital (liaison) psychiatry, neuropsychiatry, epidemiology, psychosis, dementia, PTSD, depression, perinatal psychiatry, neuroimaging, eating disorders, psychological treatment, etc.

**Clinical commitments during academic placement**

The majority of the appointed individual's time will be taken up with research but clinical work can also be arranged if desired.

**Departmental academic teaching programme (if applicable)**

N/A

**Academic Lead:**

Anthony David, Professor of Cognitive Neuropsychiatry
Vice Dean, Division of Academic Psychiatry
[anthony.david@kcl.ac.uk](mailto:anthony.david@kcl.ac.uk)

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**Programme 19 – Psychiatry – based at SLAM/King’s College Hospital**
Reference: 1617/KCL/019

Individual Placement Descriptor (IPD) for the four month academic placement
Separate IPDs for clinical placements are available on foundation school websites

**Type of programme**

Research
**Employing trust:**
King's College Hospital NHS Foundation Trust

**Academic placement based at:**
King's College Hospital/South London and Maudsley

**Structure of academic project/what expected**

This post will join a cohort of 6 other foundation psychiatry trainees at SLAM and will be based within the Liaison Psychiatry department at Kings College Hospital. During the attachment the trainees will obtain an appreciation of the way that psychiatry contributes to individual patient management in a range of settings and in different patient groups, including prevention, assessment, diagnosis, treatment and follow-up, and the contribution to protection of vulnerable individuals and children and assessment of capacity. They will also learn about the use of physical, social and psychological investigations for common psychiatric disorders, general principles underlying diagnosis and treatment choice, commonly used pharmacological and psychological treatments. For more details about these posts and the careers at the Maudsley Hospital please visit www.maudsleytraining.com.

Trainees will work in King’s College Hospital’s busy inner city A&E Department seeing over 110,000 new patients a year, gaining experience in managing a whole spectrum of acute and less acute presentations under the supervision of middle grade doctors and consultants.

**Clinical commitments during academic placement**

**Departmental academic teaching programme (if applicable)**

The post holder will have the opportunity to attend ongoing teaching for psychiatry trainees as well as academic seminars within the Institute of Psychiatry, Psychology and Neuroscience (IoPPN).

**Academic Lead:**

Anthony David. Professor of Cognitive Neuropsychiatry
Vice Dean, Division of Academic Psychiatry
anthony.david@kcl.ac.uk

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4. **THE MEDICAL SCHOOL AND PARTNER TRUSTS**

**King’s College London GKT School of Medical Education**

King's College London is one of the top 25 universities in the world (*Times Higher Education* 2009) and the fourth oldest in England. A research-led university based in the heart of London, King's has nearly 23,000 students (of whom more than 8,600 are graduate students) from nearly 140 countries, and some 5,500 employees.

King's College London GKT School of Medical Education is one of the largest medical research and teaching centres in Europe.

King's College London GKT School of Medical Education is located across three hospital based campuses: Guy’s Campus, King’s Denmark Hill Campus (King’s College Hospital and the Maudsley Hospital) and St Thomas’ Hospital Campus.
Each campus has seen major investment to improve facilities and capacity for its leading research programmes. In 2006, each Campus secured funding for a Clinical Research Facility.

The School’s research excellence is well recognised. Within its nine research divisions, the School hosts two MRC Centres in Transplantation and the Allergic Mechanisms of Asthma and in 2008 alone was awarded Centre of Excellence status by the British Heart Foundation with funding of £9 million and opened £4 million Breakthrough Breast Cancer Unit.

With the launch of King’s Health Partners in 2008, the School is working closer than ever before with its NHS partners in achieving excellence in research, teaching and clinical service.

**King’s Health Partners**

King’s Health Partners is a pioneering collaboration between King’s College London and Guy’s and St Thomas’, King’s College Hospital and South London and Maudsley NHS Foundation Trusts.

This unique combination brings together one of the world’s leading research-led universities and three of London’s most successful NHS Foundation Trusts. King’s Health Partners’ driving purpose is to continually seek and bring about swifter and more effective improvements in health and well-being for our patients and people everywhere, by combining the best of basic and translational research, clinical excellence and world-class teaching to deliver ground-breaking advances in physical and mental healthcare.

King’s Health Partners is one of only five Academic Health Science Centres in the UK accredited by the Department of Health. This followed a selection process carried out by a panel of internationally renowned clinicians and researchers.

**Guy’s & St Thomas’ NHS Foundation Trust**

Guy’s and St. Thomas’ NHS Foundation Trust is one of the largest Trusts in the NHS and provides a full range of services to the local population and also to patients from further afield, both nationally and internationally. St. Thomas’ Hospital is situated on the south bank of the River Thames opposite the Houses of Parliament. Guy’s Hospital is adjacent to London Bridge. Both hospitals have excellent transport links and are easily accessible to patients, visitors and staff. The Trust is able to provide specialist care for services such as cardiac surgery, children’s care, oncology, dermatology and ophthalmology. The Trust is committed to becoming the major university hospital in the UK and to staying at the forefront in patient care, teaching and research.

Guy’s and St. Thomas’ have contracts with more than 65 purchasing authorities, covering all major specialties such as surgery, dermatology, haematology, HIV and GU care, obstetrics, ophthalmology, palliative and pain care, radiology, lithotripsy, cardiology, diabetes, haemophilia, oncology, paediatrics, dentistry, maternity care, plastic surgery, respiratory care, rheumatology, ITU and renal care.

**King’s College Hospital NHS Foundation Trust**

King’s College Hospital NHS Trust provides healthcare and emergency services for a cosmopolitan and ethnically diverse community in South East London as well as being a major academic centre. King’s has close links to King’s College London, part
of the University of London, under which are the medical and dental Schools, known as the Guy's, King's and St. Thomas' Hospitals Schools of Medicine and Dentistry. This partnership aims to create a world-class medical centre between King's College and the two teaching hospital Trusts. King's College Hospital is internationally and nationally renowned for its specialist work in liver (with the largest liver transplant programme in Europe), renal and cardiac services, neonatal medicine, neurosciences and diabetes attracting referrals from across the United Kingdom and abroad, as well as supporting leading edge research and an undergraduate medical school. It is however also a local hospital, providing vital, and extensive, acute hospital services to the residents of southeast London which accounts for 70% of its work. Employing over 5,000 people, there are currently two inpatient sites - at Denmark Hill and Mapother House.
1. INTRODUCTION

There are 4 programme themes (Renal 1, Vascular Surgery 1, GP 2) with each theme offering places for 3 trainees. A total of 12 programmes are available.

Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.

2. DETAILS OF TRAINING PROGRAMMES

<table>
<thead>
<tr>
<th>Programme Reference</th>
<th>Programme Theme</th>
<th>Based at</th>
</tr>
</thead>
<tbody>
<tr>
<td>1617/SGUL/01</td>
<td>Renal Medicine</td>
<td>St George’s Hospital</td>
</tr>
<tr>
<td>1617/SGUL/02</td>
<td>Renal Medicine</td>
<td>St George’s Hospital</td>
</tr>
<tr>
<td>1617/SGUL/03</td>
<td>Renal Medicine</td>
<td>St George’s Hospital</td>
</tr>
<tr>
<td>1617/SGUL/04</td>
<td>Vascular Surgery</td>
<td>St George’s Hospital</td>
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<tr>
<td>1617/SGUL/05</td>
<td>Vascular Surgery</td>
<td>St George’s Hospital</td>
</tr>
<tr>
<td>1617/SGUL/06</td>
<td>Vascular Surgery</td>
<td>St George’s Hospital</td>
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<tr>
<td>1617/SGUL/07</td>
<td>GP</td>
<td>St George’s Hospital</td>
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<tr>
<td>1617/SGUL/08</td>
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<td>1617/SGUL/11</td>
<td>GP</td>
<td>St George’s Hospital</td>
</tr>
<tr>
<td>1617/SGUL/12</td>
<td>GP</td>
<td>St George’s Hospital</td>
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</table>

Each of the 12 speciality-based programmes offer core clinical and generic academic training. The programmes are based at St. George’s Hospital. The F2 year at St. George’s comprises a 4-month speciality-based clinical placement with a leading clinical academic firm, a 4-month high-quality dedicated academic placement, and a 4-month attachment in A&E or an Acute Medicine Admissions Unit (*high intensity training in acute medicine*) to enable the acquisition of core competencies.

3. PLACEMENTS

Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.
**Programmes 1-3 – Renal Medicine – based at St George’s Hospital**

Reference: 1617/SGUL/01
Reference: 1617/SGUL/02
Reference: 1617/SGUL/03

<table>
<thead>
<tr>
<th>Type of programme</th>
<th>Employing trust:</th>
<th>Academic placement based at:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research and/or teaching</td>
<td>St George's Healthcare NHS Trust</td>
<td>St. George’s Hospital</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Brief outline of department</th>
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</thead>
<tbody>
<tr>
<td>The Renal Service at St. George’s is provided by 7 Nephrologists, 4 Renal Transplant Surgeons and 2 dialysis access surgeons. This is a tertiary service including 130 new renal transplants annually.</td>
</tr>
<tr>
<td>There are three clinical academics in Renal Medicine: Dr I MacPhee leads research projects based on clinical pharmacology of immunosuppressive drugs and acute kidney injury. Dr D. Banerjee leads research projects on cardiovascular disease in renal patients. Prof David Oliveira has a major interest in medical education</td>
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<table>
<thead>
<tr>
<th>Structure of academic project/what expected</th>
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<tbody>
<tr>
<td>The Academic F2 trainee in Renal Medicine will spend 4 months working with Dr I MacPhee on a project based on clinical pharmacology of immunosuppressive drugs used for renal transplantation. Current work is focused on genetic influences on pharmacodynamics of tacrolimus involving cell culture work and flow cytometry. Training and experience in the regulatory aspects and conduct of clinical research will be provided. Over the last 5 years Academic F2s have generated (as first author) 3 peer-reviewed original papers, 3 invited reviews, 2 oral presentations at international conferences and 5 poster presentations (2 international and 3 national conferences). There will be opportunities to undertake a descriptive clinical project/audit. Involvement in teaching is encouraged and there is the opportunity to register for the St. George’s, University of London Postgraduate Certificate in Healthcare and Biomedical Education.</td>
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<thead>
<tr>
<th>Clinical commitments during academic placement</th>
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</thead>
<tbody>
<tr>
<td>No routine service commitment but there may be involvement in patient recruitment to clinical studies.</td>
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</table>

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<tr>
<th>Departmental academic teaching programme (if applicable)</th>
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<tbody>
<tr>
<td>Weekly lab meeting</td>
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<tr>
<td>Weekly Academic Meeting with opportunity to present research data</td>
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<table>
<thead>
<tr>
<th>Academic Lead:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr Iain MacPhee</td>
</tr>
<tr>
<td><a href="mailto:imacphee@sgul.ac.uk">imacphee@sgul.ac.uk</a></td>
</tr>
</tbody>
</table>
Programmes 4-6 – Vascular Surgery – based at St George’s Hospital
Reference: 1617/SGUL/04
Reference: 1617/SGUL/05
Reference: 1617/SGUL/06

<table>
<thead>
<tr>
<th>Type of programme</th>
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<tbody>
<tr>
<td>Research</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Employing trust:</th>
<th>Academic placement based at:</th>
</tr>
</thead>
<tbody>
<tr>
<td>St George's Healthcare NHS Trust</td>
<td>St. George’s Hospital</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Brief outline of department</th>
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</thead>
<tbody>
<tr>
<td>The St Georges Vascular Institute (SGVI) is a large tertiary vascular institution that integrates clinical service, research and training is an integrated Unit. SGVI has 4 senior academic appointments, 2 clinical lecturers and one academic clinical fellow. The academic appointments are complemented by 5 NHS consultants. The Unit has an international reputation for the treatment of vascular disease with particular emphasis on endovascular and open surgery of the aorta, carotid disease and diabetic lower limb salvage. The SGVI has a large research output and the clinical service is underpinned by academic activity.</td>
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<table>
<thead>
<tr>
<th>Structure of academic project/what expected</th>
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<tbody>
<tr>
<td>Trainees will spend 4 months on a project related to vascular surgery. They will also spend 4 months on the clinical vascular unit. The project and field of research will depend on previous experience and aspirations of the trainee. The broad subject fields offered for research includes health services research; novel endovascular procedures, the epidemiology of lower limb arterial disease and the application of audit. All trainees will be expected to complete at least one project that would result in a publication and/or presentation. The majority of academic F2’s will achieve several peer reviewed publications and will have submitted abstracts for national presentation. The academic F2 programme fits within the SGVI academic training structure that includes Academic Clinical Fellows and Academic Clinical Lecturers. The F2 will receive formal research supervision within SGVI.</td>
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<table>
<thead>
<tr>
<th>Clinical commitments during academic placement</th>
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</thead>
<tbody>
<tr>
<td>The academic F2’s will perform clinical duties according to competency requirements and interest in line with the service commitments required. Duties will include ward work, out-patient clinics (in a training capacity) and opportunity to attend the operating sessions. All academic F2s will be expected to complete the same competencies as non-academic F2s to achieve F2 competencies to be signed off.</td>
</tr>
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</table>

The structure of the placement will be 4 months in research and 4 months on clinical vascular duties. There will be a degree of flexibility in these arrangements according to personal achievement and preference. The research time is generally protected for academic activities but at a maximum 1 day of clinical activity may be required to cover clinics and ward work.
**Departmental academic teaching programme (if applicable)**

The Department runs a series of academic activities that the F2 will participate in. There is a weekly research meeting (Tues 12.30-1.30) that acts as a forum for presentation of research ideas and formulation of projects. In addition there is a monthly journal club that the F2 will be expected to prepare and present.

Clinically there are a series of weekly MDT meetings that serve as an educational forum.

**Academic Lead:**

Dr Matt Thompson  
Professor of Vascular Surgery  
Matt.Thompson@stgeorges.nhs.uk

**Programmes 7-12 – Academic GP – based at St George’s Hospital**

Reference: 1617/SGUL/07  
Reference: 1617/SGUL/08  
Reference: 1617/SGUL/09  
Reference: 1617/SGUL/10  
Reference: 1617/SGUL/11  
Reference: 1617/SGUL/12

**Type of programme**

The aim is to gain a greater understanding of the process of Academic Medicine, contribute to an existing research project, under supervision and gain some teaching experience with undergraduate medical students.

**Employing trust:**

St George's Healthcare NHS Trust

**Academic placement based at:**

St. George’s Hospital

**Examples of recent F2 research experience**

- **Trial of home blood pressure monitoring in stroke patients.** This was a large community based study with recruitment from the local stoke clinics. One F2 developed a questionnaire to assess whether monitoring home BP caused increased anxiety.
- **Survey of allergy training in General Practice,** an F2 devised a questionnaire for GP trainers.
- **Pelvic inflammatory disease database research,** an F2 researched point of access to care.

**Structure of academic project/what expected**

The exact details of the project may change depending on the life cycle of the research. Some F2 doctors have in addition continued existing research work, and this is acceptable as long as it doesn't detract from the departmental work.

**Teaching**

The department contributes to a number of in school teaching activities. Usually these are in the main university term times (Yr1 and Yr2) and include clinical skills,
communication skills and remedial teaching. There may also be an opportunity to help with Case Based Learning (CBL) teaching and examine in the early year’s clinical OSCE’s. The school runs a number of teaching courses, which are free. You should look to sign up for the teaching or presentation skills course, OSCE examining and/or CBL. These are useful sources for teaching development and usually offer a certificate that you can add to your portfolio. F2’s will be allocated to a GP practice and teaching project at the start of the year.

The Academic GP rotation combines an attachment to a GP practice for 2 days and 3 days in the department of General Practice. The aim is to gain a greater understanding of the process of Academic Medicine, contribute to an existing research project, under supervision and gain some teaching experience with undergraduate medical students. We hope the F2 will get an opportunity to present their work at the regional Academic GP conference in January or the national conference in July.

Clinical commitments during academic placement

Departmental academic teaching programme (if applicable)

N/A

Academic Lead:

Dr Adrian Brown
abrown@sgul.ac.uk

4. THE MEDICAL SCHOOL AND PARTNER TRUSTS

St George’s University Hospitals NHS Foundation Trust

St George’s University Hospitals NHS Foundation Trust is one of the country’s leading teaching hospitals with an international reputation for education and research. The Trust provides general, specialist and tertiary services both locally and nationally. Located in South-West London, St George’s is within easy reach of Central London and all the attractions that it has to offer.

About St George’s University Hospitals NHS Foundation Trust and St George’s, University of London

With nearly 8,000 dedicated staff caring for patients around the clock, St George’s Healthcare is the largest healthcare provider in southwest London.

Our main site, St George’s Hospital in Tooting – one of the country’s principal teaching hospitals – is shared with St George’s, University of London, which trains medical students and carries out advanced medical research. St George’s Hospital also hosts the St George’s, University of London and Kingston University Faculty of Health and Social Care Sciences, which is responsible for training a wide range of healthcare professionals from across the region.

As well as acute hospital services, we provide a wide variety of specialist care and a full range of community services to patients of all ages. These services are provided
from Queen Mary’s Hospital, Roehampton, 11 health centres and clinics, schools and nurseries, patients’ homes and Wandsworth Prison.

St George’s Healthcare serves a population of 1.3 million across southwest London. A large number of services, such as cardiothoracic medicine and surgery, neurosciences and renal transplantation, also cover significant populations from Surrey and Sussex, totalling around 3.5 million people. The trust also provides care for patients from a larger catchment area in southeast England, for specialties such as complex pelvic trauma. Other services treat patients from all over the country, such as family HIV care and bone marrow transplantation for non-cancer diseases. The trust also provides a nationwide state-of-the-art endoscopy training centre.

A number of our services are members of established clinical networks and bring together doctors, nurses and other clinicians from a range of healthcare providers working to improve the quality of services for patients. These include the South London Cardiac and Stoke Network and the South West London and Surrey Trauma Network, for which St George’s Hospital is the designated heart attack centre, hyper-acute stroke unit and major trauma centre.

The National Institute for Health Research (NIHR) Collaboration for Applied Health Research and Care (CLAHRC) South London pools the clinical and research expertise of both the NHS and universities in south London. It brings together King’s Health Partners (a partnership between King’s College London and Guy’s and St Thomas’, King’s College Hospital and South London and Maudsley NHS Foundation Trusts), with St George’s Healthcare NHS Trust and St George’s, University of London as joint leaders of the CLAHRC. The CLAHRC will work to make sure that patients benefit from innovative new treatments and techniques that could revolutionise future health care. Researchers will work together to investigate new methods to prevent and treat chronic diseases such as stroke, and tackle public health issues including reducing alcohol-related harm. In south London up to 30 per cent of acute medical admissions and 50 per cent of mental health admissions are alcohol related. The CLAHRC will also establish education programmes, and a new Centre for Implementation Science will be set up as a central resource to support research and test innovations in these nine areas: alcohol; diabetes; infection; palliative and end of life care; psychosis; public health; stroke; women’s health; and patient and public involvement.

About St George’s, University of London
St George’s, University of London, is distinctive as the UK’s only independently governed medical and health sciences higher education institution. A college of the University of London, we have been providing medical and healthcare training for over 250 years.

With approximately 6,000 students and 850 members of staff, our Mission is to advance, promote and share knowledge of health through excellence in teaching, clinical practice and research into the prevention and treatment of illness.

The School is organised into the following Institutes:

- Cardiovascular and Cell Sciences
- Infection and Immunity
- Population Health
- Institute of Medical and Biomedical Education (IMBE)
In research, we are innovative and driven by high standards of excellence to advance healthcare. Our Centres undertake research in areas focused on infection and immunity, cardiology, stroke, epidemiology and cell signalling.

Our courses range from medicine, biomedical sciences, nursing, midwifery, paramedic science, social work, physiotherapy, to therapeutic and diagnostic radiography as well as postgraduate and continuing professional development courses. A number of these courses are taught through our Faculty of Health and Social Care Sciences, which is jointly run with Kingston University.

St George's prides itself on providing the highest standard of learning through the latest in teaching and learning resources, exceptional research, innovative course development, enterprise and innovation, and strategic partnerships.

We were the first to introduce a four-year medical degree open to graduates from all disciplines and, more recently, became one of only four universities in the country to pioneer training for physician’s assistants – a new breed of healthcare professionals brought over from the United States.

St George’s success has been aided by our strategic partnerships with other institutions. Our life-long partnership and shared site with St George’s Hospital has created a unique learning and research environment. Our partnership with Kingston University and internationally the University of Nicosia, has enabled us to expand our portfolio of courses and to introduce more initiatives. Recently, the INOT programme has also been introduced. Students on the INTO SGUL International Medicine and International Graduate Medicine courses take their clinical placements in the USA and other international locations, and work towards the United States Medical Licensing Examination (USMLE) during their programme.

In recent years, we have also established an Enterprise and Innovation Centre to encourage the transfer of knowledge and skills to business and the wider community.
2-YEAR ACADEMIC FOUNDATION PROGRAMMES AT 
B6. UNIVERSITY COLLEGE LONDON MEDICAL SCHOOL (UCL)

1. INTRODUCTION

The North Central Thames Foundation School (NCTFS) is a foundation school linked to the UCL Medical School. NCTFS offers 21 Academic Foundation Programmes (AFP) comprising different speciality-based academic placements. The two-year programmes will deliver the full range of competences required of the Foundation Programme Curriculum. The F2 posts will each include a placement in a centre of academic and research excellence.

The F1 posts are based at Barnet Hospital (Royal Free London NHS Foundation Trust) or North Middlesex University Hospital NHS Trust. The F2 posts are based in central London, either at University College London Hospitals NHS Foundation Trust, Royal Free Hospital (Royal Free London NHS Foundation Trust), or Whittington Health.

All trainees accepted for the two-year Academic Foundation Programme will have:
- A four-month academic placement as one element of their 12-month F2 post
- A mentor throughout the F2 year (Academic Supervisor)
- A core programme run throughout the year aimed to develop academic skills
- Visitor status within the appropriate Division to enable access to UCL online library facilities

Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.

2. DETAILS OF TRAINING PROGRAMMES

<table>
<thead>
<tr>
<th>Programme Reference</th>
<th>Programme Theme</th>
<th>Based at</th>
</tr>
</thead>
<tbody>
<tr>
<td>1617/UCL/01</td>
<td>Virology (1)</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
</tr>
<tr>
<td>1617/UCL/02</td>
<td>Surgery</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
</tr>
<tr>
<td>1617/UCL/03</td>
<td>Virology (2)</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
</tr>
<tr>
<td>1617/UCL/04</td>
<td>Rheumatology</td>
<td>University College London Hospitals NHS Foundation Trust</td>
</tr>
<tr>
<td>1617/UCL/05</td>
<td>Neurology and Neuroscience (1)</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
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<tr>
<td>1617/UCL/06</td>
<td>Neurology and Neuroscience (2)</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
</tr>
<tr>
<td>1617/UCL/07</td>
<td>Cellular Pathology (1)</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
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<tr>
<td>1617/UCL/08</td>
<td>Medical Education</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
</tr>
<tr>
<td>1617/UCL/09</td>
<td>Cellular Pathology (2)</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
</tr>
<tr>
<td>Reference</td>
<td>Speciality</td>
<td>Employing Trust</td>
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<tr>
<td>1617/UCL/10</td>
<td>Nuclear Medicine (1)</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
</tr>
<tr>
<td>1617/UCL/11</td>
<td>Nuclear Medicine (2)</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
</tr>
<tr>
<td>1617/UCL/12</td>
<td>Radiology</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
</tr>
<tr>
<td>1617/UCL/13</td>
<td>Primary Care and Population Health (1)</td>
<td>Whittington Health</td>
</tr>
<tr>
<td>1617/UCL/14</td>
<td>Primary Care and Population Health (2)</td>
<td>Whittington Health</td>
</tr>
<tr>
<td>1617/UCL/15</td>
<td>Primary Care and Population Health (3)</td>
<td>Whittington Health</td>
</tr>
<tr>
<td>1617/UCL/16</td>
<td>Hepatology</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
</tr>
<tr>
<td>1617/UCL/17</td>
<td>Paediatrics</td>
<td>University College London Hospitals NHS Foundation Trust</td>
</tr>
<tr>
<td>1617/UCL/18</td>
<td>Psychiatry</td>
<td>Camden and Islington Foundation Trust (linked to University College London Hospitals NHS Foundation Trust)</td>
</tr>
<tr>
<td>1617/UCL/19</td>
<td>Women's Health</td>
<td>University College London Hospitals NHS Foundation Trust</td>
</tr>
<tr>
<td>1617/UCL/20</td>
<td>Clinical Pharmacology/Cardiovascular Medicine</td>
<td>University College London Hospitals NHS Foundation Trust</td>
</tr>
<tr>
<td>1617/UCL/21</td>
<td>Anaesthetics</td>
<td>University College London Hospitals NHS Foundation Trust</td>
</tr>
</tbody>
</table>

3. PLACEMENTS

Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.

Programmes 1 and 3 – Virology – based at Royal Free London NHS Foundation Trust (Royal Free Hospital)
Reference: 1617/UCL/01
Reference: 1617/UCL/03

Individual Placement Descriptor (IPD) for the four month academic placement

<table>
<thead>
<tr>
<th>Type of programme</th>
<th>Employing trust</th>
<th>Academic placement based at:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research/audit/clinical liaison</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
</tr>
</tbody>
</table>
**Brief outline of department**

Virology is an exciting and rapidly moving subject which integrates laboratory work with clinical needs. Trained specialists need both a good working knowledge of applied molecular biology and a clear understanding of viral pathogenesis.

Virologists reach out from their laboratory base to interact with clinical colleagues in a wide variety of areas (e.g. organ transplantation, stem cell transplantation, HIV, hepatology, antenatal, infectious diseases, sexually transmitted diseases, occupational health). Randomised controlled clinical trials of antiviral drugs provide the evidence base for or against recommending treatment of a particular infection. The measurement of viral load directly in patient samples provides an objective assessment of response to treatment. Direct sequencing of viral genomes identifies the mechanisms of developing resistance to these antiviral drugs.

Recent publications from Academic F2s:


**Structure of academic project/what expected**

Trainees will see how viral sequencing can monitor the evolution of resistant strains and will gain experience of recruiting patients into ongoing randomised controlled trials.

**Clinical commitments during academic placement**

The trainee will assist the specialist registrar in providing clinical liaison to the major "customers" served by the diagnostic laboratory. This will provide excellent experience of how to get the most out of a laboratory which will stand the training good stead when he/she returns to the wards.

**Departmental academic teaching programme (if applicable)**

Topical clinical cases are presented every afternoon to the consultant virologist. One of these cases will be selected and worked up for the trainee to present at Medical Grand Rounds.

**Academic Lead:**

Paul Griffiths  
Professor of Virology  
Based at: Royal Free London NHS Foundation Trust (Royal Free Hospital)  
E-mail address: p.griffiths@ucl.ac.uk
Programme 2 – Surgery – based at Royal Free London NHS Foundation Trust (Royal Free Hospital)
Reference: 1617/UCL/02

Individual Placement Descriptor (IPD) for the four month academic placement

<table>
<thead>
<tr>
<th>Type of programme</th>
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<tbody>
<tr>
<td>Research</td>
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<table>
<thead>
<tr>
<th>Employing trust:</th>
<th>Academic placement based at:</th>
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</thead>
<tbody>
<tr>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
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<table>
<thead>
<tr>
<th>Brief outline of department</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Surgery is a major component of medicine and the University Department of Surgery at the Royal Free provides a broad range of general and sub-specialty surgical services including G.I., colorectal, vascular, breast, plastic, hepatobiliary and transplant surgery.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Structure of academic project/what expected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trainees would gain exposure to a wide range of clinical skills and hence acquire a basic grounding in the assessment, management and care of elective and acutely ill patients. The Department is also very active in research and the teaching of undergraduate and postgraduate students.</td>
</tr>
<tr>
<td>Our aim is to encourage trainees to build upon the knowledge, skills and attributes developed during their undergraduate training. Trainees will be involved in all areas of departmental activity including teaching and research which would hopefully stimulate an interest in academic surgery and medicine.</td>
</tr>
<tr>
<td>Trainees will be allocated an academic and clinical supervisor at the outset of the attachment who will ensure the aims of the attachment and of the Foundation Programme are met.</td>
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</table>

<table>
<thead>
<tr>
<th>Clinical commitments during academic placement</th>
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<tbody>
<tr>
<td>Dependant on which specialty is chosen, but expected to be minimal.</td>
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</table>

<table>
<thead>
<tr>
<th>Departmental academic teaching programme (if applicable)</th>
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<table>
<thead>
<tr>
<th>Academic Leads:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr Olagunju Ogunbiyi</td>
</tr>
<tr>
<td>Consultant Colorectal Surgeon</td>
</tr>
<tr>
<td>Based at: Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
</tr>
<tr>
<td>E-mail address: <a href="mailto:o.ogunbiyi@ucl.ac.uk">o.ogunbiyi@ucl.ac.uk</a></td>
</tr>
</tbody>
</table>
Programme 4 – Rheumatology – based at University College London Hospitals
NHS Foundation Trust
Reference: 1617/UCL/04

Individual Placement Descriptor (IPD) for the four month academic placement

<table>
<thead>
<tr>
<th>Type of programme</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Rheumatology research</td>
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<table>
<thead>
<tr>
<th>Employing trust:</th>
<th>Academic placement based at:</th>
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</thead>
<tbody>
<tr>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
<td>University College London Hospitals NHS Foundation Trust</td>
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<thead>
<tr>
<th>Brief outline of department</th>
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<tbody>
<tr>
<td>Rheumatology involves the management of the huge array of musculoskeletal disorders ranging from painful, but essentially degenerative, conditions such as osteoarthritis, to those such as rheumatoid arthritis and vasculitis which cause serious, long term major inflammation and disability. Its importance is emphasized by the fact that 20% of all GP consultations are for musculoskeletal complaints and the UK pays £30,000,000 per week in disability benefits to patients with these problems.</td>
</tr>
<tr>
<td>UCL Medical School has a strong tradition of emphasising the importance of rheumatology. Several dynamic 'musculoskeletal' firms cover the topic comprehensively stressing the importance of clinical observation and capturing the current excitement about the introduction of biological agents designed to block individual key molecules known to be intimately involved in the development of inflammatory arthritis. The Rheumatology units are very interested in pastoral care ensuring that their trainees are given the best chance to develop a wide range of management and research skills.</td>
</tr>
<tr>
<td>It is noteworthy that a past President of The Royal College, Professor Dame Carol Black, (from our own medical school); the Head of the Wellcome Trust, Professor Mark Walport; a recent winner of Doctor of the Year, Dr John Halsey, and the recently knighted, co-developer of TNF alpha blockade, Professor 'Tiny' Maini are all rheumatologists.</td>
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</table>

<table>
<thead>
<tr>
<th>Structure of academic project/what expected</th>
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</thead>
<tbody>
<tr>
<td>Options exist to undertake either a laboratory based project examining mechanisms of disease and/or response to therapy or clinical data review project.</td>
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<table>
<thead>
<tr>
<th>Clinical commitments during academic placement</th>
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<tbody>
<tr>
<td>At UCLH there will be the opportunity to attend specialist rheumatology clinics once a week.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Departmental academic teaching programme (if applicable)</th>
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</thead>
<tbody>
<tr>
<td>Weekly afternoon academic meeting and monthly ST3+ teaching programme at UCLH.</td>
</tr>
</tbody>
</table>
**Programmes 5 & 6 – Neurology and Neuroscience – based at Royal Free London NHS Foundation Trust (Royal Free Hospital)**

Reference: 1617/UCL/05  
Reference: 1617/UCL/06  

Individual Placement Descriptor (IPD) for the four month academic placement

<table>
<thead>
<tr>
<th>Type of programme</th>
<th>Clinical and research training in neurology/neuroscience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employing trust:</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
</tr>
<tr>
<td>Academic placement based at:</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
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</tbody>
</table>

**Brief outline of department**

The trainee is primarily based in the Department of Clinical Neuroscience at the Royal Free Hospital, dividing their time equally between the clinical Neurology department, which acts as a tertiary centre for several different hospitals with over 20 consultant neurologists, and the academic department, headed by Prof Schapira, which is part of the UCL Institute of Neurology (http://www.ucl.ac.uk/ion/departments/clinical).


**Structure of academic project/what expected**

The trainees will work in a large regional referral centre for neurological disease, and will gain experience in a broad spectrum of acute and chronic neurological conditions. They will be exposed to particular sub-speciality aspects of neurology, including Parkinson’s disease, neuromuscular disease, and epilepsy, and the combined clinical and laboratory investigations of neurological diseases. This placement is ideally suited to provide a solid clinical and academic foundation to those considering a career in neurology, but the experience will also be invaluable for other specialties. The department has a very active research programme, with Parkinson’s disease a particular strength, including basic molecular and genetic investigation of the underlying aetiology, cellular and animal modelling of disease, and clinical trials of new pharmacological approaches. The trainees will be expected to participate in a lab-based or clinical research project within the department, and, if no suitable project is identified, appropriate projects across the entire UCL Institute of Neurology can be considered.
Clinical commitments during academic placement

2.5 days per week spent on clinical commitments in neurology, including a supervised outpatient clinic which provides an excellent early introduction to general neurology outpatient care.

Departmental academic teaching programme (if applicable)

Minimum of one hour consultant teaching for neurology trainees per week. Weekly neurology clinical grand round with live case presentation and discussion. Regular lunchtime seminars on various aspects of neurology and neuroscience. Weekly medical grand round. Laboratory research meeting / journal club.

Academic Lead:

Dr Christos Proukakis PhD FRCP
Senior Lecturer and Honorary Consultant Neurologist
Based at: Royal Free London NHS Foundation Trust (Royal Free Hospital)
E-mail address: c.proukakis@ucl.ac.uk

Programmes 7 and 9 – Cellular Pathology – based at Royal Free London NHS Foundation Trust (Royal Free Hospital)

Reference: 1617/UCL/07
Reference: 1617/UCL/09

Individual Placement Descriptor (IPD) for the four month academic placement

<table>
<thead>
<tr>
<th>Type of programme</th>
<th>Research</th>
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<table>
<thead>
<tr>
<th>Employing trust:</th>
<th>Academic placement based at:</th>
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<tbody>
<tr>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
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</table>

Brief outline of department

Cellular Pathology is the basis of most medical theory, research and practice. This specialty comprises histopathology, which gives the diagnosis and other relevant information on biopsies and surgical resections; cytopathology, which gives the diagnosis on aspirated and other specimens of lesions; and autopsy pathology, which is still of importance in modern medicine. Many specialties rely on pathologists both in everyday practice and in research. These include gastroenterology and gastrointestinal surgery; hepatology, hepatobiliary surgery, and liver transplantation; nephrology and renal transplantation; urology; neurology and neurosurgery; dermatology and plastic surgery; breast surgery; gynaecology and obstetrics; and haematological oncology.

Structure of academic project/what expected

This rotation gives the opportunity for development of a wide range of skills practised in Cellular Pathology, for participation in the many tutorials given to pathologists in training, for helping to teach medical students, and for attendance at
various clinicopathological meetings, which emphasise the role of the specialty in clinical management. There are also facilities for research on the great variety of material that is available, in collaboration with pathologists and others, and research will be encouraged and supported.

**Clinical commitments during academic placement**

None

**Departmental academic teaching programme (if applicable)**

**Academic Lead:**

Dr Paul Bass  
Senior Clinical Lecturer in Histology and Renal Pathology  
Based at: Royal Free London NHS Foundation Trust (Royal Free Hospital)  
E-mail address: paul.bass1@nhs.net

### Programme 8 – Medical Education – based at Royal Free London NHS Foundation Trust (Royal Free Hospital)

Reference: 1617/UCL/08

Individual Placement Descriptor (IPD) for the four month academic placement

<table>
<thead>
<tr>
<th><strong>Type of programme</strong></th>
<th>FY2 Medical Education post</th>
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<table>
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<tr>
<th><strong>Employing trust:</strong></th>
<th><strong>Academic placement based at:</strong></th>
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<tbody>
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</table>

**Brief outline of department**

The PME department at RFH is well established and has an excellent track record. There are 630 trainees and 130 clinical fellows. The department is supported by a strong administrative team. The structure of the senior faculty and the governance of education and training are clear and strong. There is a vibrant Simulation department presenting a huge range of additional opportunities. The department has hosted two foundation education FY2s in the past and also has the benefit of several part-time education fellows. There are strong links with the undergraduate medical school and also with trust non-medical training. There is a tradition of multi-disciplinary learning.

**Structure of academic project/what expected**

The FY2 trainee would be expected to participate in the life of the PME department. There would be twice weekly operation meetings with senior faculty. They would be expected to choose two to three specific education projects (from a large menu of possible projects or choose one of their own design) to develop, pilot, evaluate and present or publish during their time in the department. They will be mentored in Sim training and participate in several varied simulation activities. They will learn to use simulation equipment (Sim man, sim baby etc). They will be tutored and gain
experience in feedback/de-brief and after action reviews. They will participate in a monthly education journal club and be expected to present on more than one occasion. Their teaching sessions will be observed by a senior faculty member. Each teaching session will be evaluated by participants. The trainee will gain experience of multi-disciplinary teaching and will assist with the organization of the generic aspects of the FY1 mandatory teaching.

Clinical commitments during academic placement

The trainee will either gain some OPD experience in the institute of immunology and/or some evening/night A&E or MAU experience.

Departmental academic teaching programme (if applicable)

Journal club (once per month)
FY1 didactic and generic programme
FY2 didactic and introduction to healthcare leadership (multi-disciplinary)

Academic Lead:

Dr Aine Burns
Consultant nephrologist and Director of Post-Graduate Medical Education
Based at: Royal Free London NHS Foundation Trust (Royal Free Hospital)
E-mail address: aine.burns@nhs.net

Programmes 10 and 11 – Nuclear Medicine – based at Royal Free London NHS Foundation Trust (Royal Free Hospital)
Reference: 1617/UCL/10
Reference: 1617/UCL/11

Individual Placement Descriptor (IPD) for the four month academic placement

<table>
<thead>
<tr>
<th>Type of programme</th>
<th>Research</th>
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<thead>
<tr>
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<tbody>
<tr>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
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</table>

Brief outline of department

The department of nuclear medicine at the Royal Free hospital has the full range of diagnostic and therapeutic nuclear medicine facilities including radionuclide therapy and PET/CT.

Previous academic projects are varied but include research into imaging and therapy of neuroendocrine tumours, musculoskeletal hybrid imaging, nuclear cardiology and lung scanning.

Structure of academic project/what expected

The Academic programme in Nuclear Medicine concentrates on functional imaging
in the context of investigation of patients, and on research related to the techniques used and the evidence of clinical effectiveness. There will be particular links to endocrinology, oncology, and the Neuroendocrine Tumour Unit at the Royal Free Campus.

The trainee will thus gain an understanding of the requirements of research in Molecular Imaging in Humans. A wide range of diagnostic and therapeutic procedures (including radiological) are available. There will be specific teaching on the principles and practice of functional imaging and image analysis, and their application both in individual clinical cases and in prospective studies. The trainee will be expected to research issues of utility and selection of nuclear imaging techniques.

The goal is to give trainees the opportunity to experience and develop research techniques using the time and facilities in Nuclear Medicine, and to encourage consideration of a career in this field. We can facilitate either a unique project or all three F2s from each year to work on a project that will run throughout the year. Where possible, the individual interests of the trainee will be accommodated.

Clinical commitments during academic placement

Varied, however, approximately 30% of the time.

Departmental academic teaching programme (if applicable)

Weekly departmental teaching plus regular audit meetings.

Academic Lead:

Dr Margaret Hall
Based at: Royal Free London NHS Foundation Trust (Royal Free Hospital)
E-mail address: margaret.hall1@nhs.net

Programme 12 – Radiology – Royal Free London NHS Foundation Trust (Royal Free Hospital)
Reference: 1617/UCL/12

Individual Placement Descriptor (IPD) for the four month academic placement

Type of programme

Research/audit/clinical liaison and Simulation lab

Employing trust: Academic placement based at:
Royal Free London NHS Foundation Trust (Royal Free Hospital) Royal Free London NHS Foundation Trust (Royal Free Hospital)

Brief outline of department

Radiology is a rapidly expanding specialty with Interventional Radiology a sub specialty in its own right. It incorporates all areas of applied medicine and demands intimate knowledge of anatomy. Trained interventional specialists require a detailed
knowledge of pre- and post-operative disease and an excellent understanding of anatomy and pathological processes and their imaging findings.

Radiologists interact with all sub specialities but the Interventional Radiologists at the Royal Free site specialise in Vascular and Hepatobiliary (HPB) intervention. The Royal Free Hospital is now the largest adult HPB centre in the UK and the regional hub for Vascular surgery.

All trainees are encouraged and supported in entering abstracts for national and international meetings.

Recent areas of research from our Interventional Radiology Department include:

Review of the use of Avitene collagen flour paste in embolisation of percutaneous access site in hepatobiliary and renal intervention

Use of transabdominal ultrasound-guided transjugular portal vein puncture on radiation dose in transjugular intrahepatic portosystemic shunt

Structure of academic project/what expected

The F2 doctor will be involved in the multicentre randomised trial NIHR Health Technology Assessment of resection vs ablation for high-risk patients with CRC liver metastases. Trial due to start Jan 2016. We would expect this to include the writing up and publication of the research. We would also hope to involve the trainee in continuing the research database.

Clinical commitments during academic placement

The trainee will assist the Radiology Specialist Registrars and gain insights into the whole of the Radiology Department. They will be expected to attend MDTs and all departmental teaching and be involved in the simulation lab.

Departmental academic teaching programme (if applicable)

Daily morning teaching and monthly departmental teaching meetings.

Academic Leads:

Dr Nick Woodward and Dr Anthie Papadopoulou
Based at: Royal Free London NHS Foundation Trust (Royal Free Hospital)
E-mail address: nick.woodward@nhs.net

Programmes 13, 14 & 15 – Primary Care and Population Health – based at Whittington Health

Reference: 1617/UCL/13
Reference: 1617/UCL/14
Reference: 1617/UCL/15

Individual Placement Descriptor (IPD) for the four month academic placement

Type of programme

Research
Employing trust:

Whittington Health

Academic placement based at:

Whittington Health

Brief outline of department

The Division of Population Health (DPH) includes major research strengths in primary care and in clinical epidemiology as applied to coronary heart disease, mental health, e-health, aging, infectious diseases, sexual health and HIV. The work attracts major funding from the MRC, Department of Health, European Union and various research charities. Its academic staff includes clinicians, epidemiologists, statisticians, health psychologists and sociologists. It has a major programme of undergraduate teaching, delivering 20% of teaching across all 5 years of the undergraduate medical curriculum, and active and growing postgraduate taught and research degree programmes. The Division has a successful history of hosting academic training integrated with clinical roles.

Structure of academic project/what expected

For all trainees a balanced clinical / educational programme can be created according to their particular interests, to interface with a range of clinical specialties: e.g. mental health, diabetes in primary care; cardiovascular disease, elderly care, as well as HIV clinical epidemiology, infectious diseases and sexually transmitted infections.

During the research component of the attachments each trainee will be attached to a particular research group within the Division, according to interest. Trainees will participate as a member of the research group, attending project meetings and undertaking research related tasks, either on important externally funded projects, or on projects under development. Trainees will be exposed to a variety of research methods and have the opportunity for individualised training related to the project. Research methods training is available in face-to-face course or online module format. Further opportunities for in-house training are available in medical statistics, and other research related training can be arranged depending on the fellow’s particular interests. Trainees will also be encouraged to take a broader view of their clinical work, consistent with their academic perspective. There will also be opportunities to participate in the wide range of educational programmes delivered by the division and its constituent departments. DPH is an innovative leader in education with close links to the UCL Academic Centre for Medical Education (ACME). Trainees will be able to participate in a range of short courses on generic medical teaching such as TIPS courses, and will enjoy opportunities to teach undergraduate students. Trainees can also benefit from the expertise of a network of tutors experienced in training in specific clinical areas many of whom will already be hosting F2 trainees during their 4-month general practice attachment.

The academic options offered in this rotation are: Primary Care, Clinical Epidemiology, Sexual Health.

Primary care

Typically there will be a clinical programme during which the F2 Fellow will work under supervision in one of the teaching practices closely linked with the medical school for 2-4 sessions per week, with the remaining sessions being fully protected for academic work. The focus of the latter can vary – for example in one of the department’s internationally renowned research groups (Cardiovascular...
epidemiology, e-Health, Mental Health, Aging, infectious diseases.

**Clinical Epidemiology**
The Division is involved in a very wide range of epidemiological research. In primary care epidemiology for example we have access to The Health Improvement Network database (THIN) containing records of over 5 million patients, which is a particular strength enabling use of the epidemiological approach to general practice clinical data. Other major areas of work include the epidemiology of cardio-vascular disease, mental health, HIV and other infections.

For trainees interested mainly in clinical epidemiology, arrangements will be made for appropriate clinical experience (2-4 sessions) in General Practice or Genito-Urinary Medicine (GUM) to ensure trainees gain the acute clinical competencies required for Foundation training.

**Sexual Health/Infections**
The Research Department of Infection and Population Health within DPH combines strong groupings in clinical (genito-urinary) medicine, epidemiological and behavioural research collaborating with a leading NHS clinical HIV/STD clinic at Mortimer Market, and the MRC’s Clinical Trials Unit. The Centre is at the forefront of clinical and behavioural trials research, HIV/STI epidemiology and research into reproductive health. A placement would normally include 2-4 clinical sessions a week in GUM/HIV medicine at Mortimer Market or General Practice.

**Clinical commitments during academic placement**
Two sessions in either Genito-Urinary Medicine clinic at Mortimer Market, London W1, or in Infectious Disease/HIV wards based at Royal Free Hospital/UCL.

**Departmental academic teaching programme (if applicable)**
Weekly and monthly sessions

**Academic Lead:**
Dr Fiona Hamilton
Based at: Whittington Health
E-mail address: f.hamilton@ucl.ac.uk

**Programme 16 – Hepatology – based at Royal Free London NHS Foundation Trust (Royal Free Hospital)**
Reference: 1617/UCL/16

Individual Placement Descriptor (IPD) for the four month academic placement

<table>
<thead>
<tr>
<th>Type of programme</th>
<th>Research</th>
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<tr>
<th>Employing trust:</th>
<th>Academic placement based at:</th>
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<tbody>
<tr>
<td>University College London Hospitals NHS Foundation Trust</td>
<td>Royal Free London NHS Foundation Trust (Royal Free Hospital)</td>
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</table>
**Brief outline of department**

Hepatology is a major clinical speciality, and UCL has the largest academic department of Hepatology in the UK. The clinical practice is the investigation and treatment of all types of liver disease, from the investigation of abnormal liver function tests to liver transplantation. The associated clinical and laboratory science includes subjects as varied as chronic viral disease, hepatic fibrogenesis, the immunology of liver disease including transplant rejection, the pathophysiology of liver failure, cellular and molecular biology, hepatocyte transplantation, gene therapy, interventional radiology and biliary endoscopy.

**Structure of academic project/what expected**

The academic attachment will include an attachment to a specific clinical scientist/investigator for training, with a defined achievable project intended to lead to a publication or presentation. Clinically orientated laboratories using physiological, biochemical, immunological and cellular and molecular techniques are in current use in well-equipped laboratories. Other studies involve biliary endoscopy, alcoholic liver disease, hepatic encephalopathy and clinical trials such as the use of anti-viral agents for chronic hepatitis, new approaches to immunosuppression, and improvements in the management of acute and acute on chronic liver failure.

Trainees may also have some clinical training relevant to the understanding of and treatment of severely ill patients, applicable to many other specialities such as intensive care, nephrology and cardiology, and direct involvement will provide important training in the F2 competencies. Trainees will be allocated an academic and clinical supervisor who will ensure that the aims of the attachment and of the Foundation Programme are met.

**Clinical commitments during academic placement**

None

**Departmental academic teaching programme (if applicable)**

Journal club, regular research presentations/guest lectures

**Academic Lead:**

Prof. Massimo Pinzani, Sheila Sherlock Chair of Hepatology, UCL Institute for Liver and Digestive Health

Based at: Royal Free London NHS Foundation Trust (Royal Free Hospital)

E-mail address: m.pinzani@ucl.ac.uk

**Programme 17 – Paediatrics – based at University College London Hospitals NHS Foundation Trust**

Reference: 1617/UCL/17

Individual Placement Descriptor (IPD) for the four month academic placement

**Type of programme**

Research
Employing trust:
University College London Hospitals NHS Foundation Trust

Academic placement based at:
University College London Hospitals NHS Foundation Trust

Brief outline of department

Paediatrics is a challenging and rewarding specialty with major innovations ongoing driven in part by clinician scientists under the auspices of the NIHR child health network and other funding bodies. Academic Paediatrics encompasses a vast area ranging from the genetics and molecular biology of congenital diseases, through improved understanding and management of prematurity and chronic childhood conditions to environmental, social and educational influences on the developing child. Our programme will integrate clinical training in Neonates and General Paediatrics at University College London Hospital with formal research training sessions at the Institute of Child Health and Great Ormond Street; opportunities for short projects will also be offered at these sites, which have an international reputation for excellence in clinical and basic academic research.

Structure of academic project/what expected

Our programme aims to nurture future Academic Paediatricians. Trainees will be fully-integrated into our teaching and research programmes, with core training in basic Paediatrics suitable for the foundation stage and exposure to diverse research areas that will enable them to make an informed decision on their future academic direction. At least one day per week will be spent on basic research training, with dedicated foundation programme sessions and a choice of additional ‘taster’ modules from higher degree courses. Each trainee will have an academic and clinical supervisor, and regular meetings will be arranged to optimise their experience of Academic Paediatrics within the framework of the general Foundation Programme requirements.

Clinical commitments during academic placement

Clinical commitments are small, this is in essence a research placement with exposure to branches of paediatrics arranged by the academic lead, in agreement with the appointee according to his/her interests.

Departmental academic teaching programme (if applicable)

Institute for Child Health has a huge postgraduate programme and is particularly strong in statistical courses.

Academic Lead:

Professor A G Sutcliffe MD PhD FRCPCH
Professor of General Paediatrics ICH, UCL, honorary consultant paediatrician at UCLH and GOSH
Based at: University College London Hospitals NHS Foundation Trust
E-mail address: a.sutcliffe@ucl.ac.uk or contact via PA Mrs K. Peacock, GAP Unit, ICH, 30 Guilford Street, London, 0207 905 2190, k.peacock@ucl.ac.uk

www.alastairsutcliffe.co.uk
Programme 18 – Psychiatry – based at Camden and Islington Foundation Trust  
(linked to University College London Hospitals NHS Foundation Trust)  
Reference: 1617/UCL/18

Individual Placement Descriptor (IPD) for the four month academic placement

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<tr>
<th>Type of programme</th>
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<tr>
<td>Research</td>
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<tr>
<th>Employing trust:</th>
<th>Academic placement based at:</th>
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<tbody>
<tr>
<td>University College London Hospitals NHS Foundation Trust</td>
<td>Camden and Islington Foundation Trust</td>
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<table>
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<tr>
<th>Brief outline of department</th>
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<tbody>
<tr>
<td>The UCL Division of Psychiatry specialises in psychiatric epidemiology, molecular genetics, palliative care, health services research and randomised trials of complex treatments in primary and mental health care. There is also old age psychiatry research. The Head of the Division is Professor Glyn Lewis.</td>
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<tr>
<th>Structure of academic project/what expected</th>
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<tr>
<td>The academic FY2 post will provide a mixture of research and clinical experience depending on individual needs of the trainee. The goal is to give trainees the opportunity to experience and develop research techniques and gain an understanding of the requirement of research.</td>
</tr>
<tr>
<td>They will learn to formulate a research question, critically appraise a paper, undertake a systematic literature review, undertake a research project, and write up for publication/presentation. There will be involvement in undergraduate teaching.</td>
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<tr>
<th>Clinical commitments during academic placement</th>
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<tr>
<td>The trainee will learn how to take a history, mental state examination, produce a psychiatric formulation and initial management plan and undertake risk assessments.</td>
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<tr>
<th>Departmental academic teaching programme (if applicable)</th>
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<tbody>
<tr>
<td>There will be opportunities to participate in a range of educational programmes in the academic department and mental health trust.</td>
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<table>
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<tr>
<th>Academic Lead:</th>
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| Dr David Osborn  
Reader in Psychiatry  
Based at: Camden and Islington Foundation Trust  
E-mail address: d.osborn@ucl.ac.uk |
Programme 19 – Women’s Health – based at University College London Hospitals NHS Foundation Trust
Reference: 1617/UCL/19

Individual Placement Descriptor (IPD) for the four month academic placement

<table>
<thead>
<tr>
<th>Type of programme</th>
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<tr>
<td>This programme aims to provide the post holder with experience of research in a leading research group within Women’s Health. Training will be provided in relevant methodologies. The immediate goal will be to provide an opportunity to acquire novel research data for presentation/publication.</td>
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<tr>
<th>Employing trust:</th>
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<tbody>
<tr>
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<td>University College London Hospitals NHS Foundation Trust</td>
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<tr>
<th>Brief outline of department</th>
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<tr>
<td>Obstetrics &amp; Gynaecology (O&amp;G) is the core of Women’s Health. It provides a unique combination of medical and surgical skills and the care of healthy people (e.g. normal pregnancy or for contraception) and ill patients (e.g. pregnancy complications, gynaecological cancers). It plays a major part in the prevention of disease (e.g. cancers, birth defects) and in promoting the health of future generations.</td>
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</table>

The Institute for Women’s Health (http://www.instituteforwomenshealth.ucl.ac.uk/) links 4 internationally recognised research Departments in Maternal Fetal Medicine, Gynaec Oncology, Reproductive Health and Neonatology, with corresponding clinical departments within UCLH. This unique pairing of clinical and research skills provides a fantastic setting for a junior clinical academic trainee to learn appropriate research skills. The Institute has hosted a regular throughput of academic trainees on the Integrated academic pathway since the scheme was started. As an example, past holders of academic FY2 posts have been involved in projects addressing the mechanism contributing to preterm labour, gene therapy for fetal growth restriction, the role of epigenetic regulation in determining fetal size at birth as well as a study into the global use of contraception.

<table>
<thead>
<tr>
<th>Structure of academic project/what expected</th>
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<tbody>
<tr>
<td>Trainees will be allocated to a mentor and be exposed to the research and teaching activities of the department. They will choose a research project and learn research methodology, the relationship between research and clinical practice and how to plan an academic career.</td>
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<tr>
<th>Clinical commitments during academic placement</th>
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<tbody>
<tr>
<td>Owing to the relatively short period of time available in the academic block, research activity is the predominant component. The post holder will undertake limited clinical activity where it is relevant to the research being undertaken e.g. working in a specialist clinic and helping recruit patients.</td>
</tr>
</tbody>
</table>

| Departmental academic teaching programme (if applicable) |
Applicants will engage in the regular teaching programme available within the Institute as well as the NHS Trust.

**Academic Lead:**

Professor Donald Peebles  
Head of the Research Department of Maternal Fetal Medicine  
Based at: University College London Hospitals NHS Foundation Trust  
E-mail address: d.peebles@ucl.ac.uk

**Programme 20 – Clinical Pharmacology/Cardiovascular Medicine – based at University College London Hospitals NHS Foundation Trust**  
Reference: 1617/UCL/20

**Individual Placement Descriptor (IPD) for the four month academic placement**

**Type of programme**

Research-based attachment in basic or clinical laboratories

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<th>Employing trust:</th>
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<tbody>
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**Brief outline of department**

The attachment offers high-quality experience and training in clinical academic medicine in a unit with strengths in the delivery of evidence-based clinical care, as well as biomedical and translational research. The clinical firm cares for patients presenting to University College Hospitals (UCLH) with cardiovascular disorders, and there are close links with the specialist services at the Heart hospital. Consultants are involved in evaluating new medicines for inclusion in the hospital formulary and in the development of drug policy, and use a rigorous evidence-based approach. Research activity is located in close proximity to the hospital at the Centres for Clinical Pharmacology and Cardiovascular Medicine, UCL, where active research groups are engaged in understanding the basis of cardiovascular disease, supported by the British Heart Foundation, MRC, and Wellcome Trust.

There are well-equipped BHF-funded laboratories with core facilities for cell culture, patch-clamping, FACS analysis, genomics, organ bath pharmacology and clinical investigation. Interests range from the molecular electrophysiology of cardiac and vascular cells, through the regulation of endothelial function and the basic biology of endothelial mediators in health and disease, to genetic epidemiology and systematic reviews of healthcare interventions.

**Structure of academic project/what expected**

Mentors will support trainees in their clinical and academic development during this attachment, preparing them for a career as academic physicians.

**Clinical commitments during academic placement**

None
**Departmental academic teaching programme (if applicable)**


**Academic Lead:**

Professor Aroon Hingorani  
Based at: University College London Hospitals NHS Foundation Trust  
E-mail address: a.hingorani@ucl.ac.uk

**Programme 21 – Anaesthetics – based at University College London Hospitals NHS Foundation Trust**  
Reference: 1617/UCL/21

Individual Placement Descriptor (IPD) for the four month academic placement

<table>
<thead>
<tr>
<th><strong>Type of programme</strong></th>
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<tr>
<td>Quality improvement/research/audit/clinical liaison</td>
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<th><strong>Employing trust:</strong></th>
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<tr>
<td>University College London Hospitals NHS Foundation Trust</td>
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<tr>
<th><strong>Academic placement based at:</strong></th>
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<tbody>
<tr>
<td>University College London Hospitals NHS Foundation Trust</td>
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**Brief outline of department**

Anaesthesia and Perioperative Medicine clinicians interact with almost all acute medical and surgical specialities across the spectrum of acute illness. Alongside our clinical care we are an exciting, dynamic and welcoming group engaged in moving forward the care of patients having surgery.

Our department of Anaesthesia and Perioperative Medicine has experts in perioperative medicine, clinical trials, quality improvement, preoperative risk assessment and exercise physiology. We run an innovative MSc in Perioperative Medicine and teach on many other of UCL’s programmes such as cardiovascular and respiratory physiology. We teach MBBS students in years 1, 4 and 6.

**Structure of academic project/what expected**

Trainees will be directly involved in quality improvement, educational and perioperative medicine projects in a very supportive atmosphere. For current details please consult [www.ucl.ac.uk/anaesthesia](http://www.ucl.ac.uk/anaesthesia) and/or contact Dr Robert Stephens (see below).

**Clinical commitments during academic placement**

Trainees will have some time in theatre, preoperative assessment, exercise testing and the post anaesthesia care unit all with dedicated teaching doctors. This is so the trainees understand the processes involved. Trainees can also do our unique on line learning module in Perioperative Medicine.
**Departmental academic teaching programme (if applicable)**

Weekly QI Tuesday meeting - Dr Ramani Moonesinghe’s Group. A rolling dynamic programme of external and internal presentations on quality improvement

**Academic Lead:**

Prof. Monty Mythen  
Smiths Medical Professor of Anaesthesia  
Based at: University College London Hospitals NHS Foundation Trust  
E-mail address: please contact Dr Robert Stephens on robcmstephens@gmail.com

### 4. THE MEDICAL SCHOOL AND PARTNER TRUSTS

**UCL Medical School**

UCL Medical School is committed to excellence in education and has a strong reputation for teaching informed by cutting-edge research. The School has a distinguished cadre of academic staff who are at the forefront of international research in medical sciences and clinical medicine.

Staff research activities, directed towards patient-centred outcomes, are supported by partnerships with NHS trusts. Several world famous clinical and research institutions are closely associated with the Medical School. The school is one of the largest in the country and is situated in the heart of London at three main campuses; the Bloomsbury campus, the Royal Free campus, and the Whittington campus; all with clinical facilities, teaching laboratories, lecture theatres and libraries.

UCL Medical School has a distinguished history; it emerged from the amalgamation of Middlesex Hospital, University College Hospital and the Royal Free Hospital. These organisations combine a rich past in the history of science and medicine with advanced clinical practice. Among past and present staff are Nobel Prize winners (Huxley, Hill and Katz) and numerous Fellows of the Royal Society and the Academy of Medical Sciences.

The North Central Thames Foundation School has academic training programmes in the following Trusts:

**Royal Free Hospital (Royal Free London NHS Foundation Trust)**

The Royal Free Hospital has around 900 beds and sees about 700,000 patients a year from all over the world. The Trust employs around 4,600 people and has a turnover of about £450m. The services include a major accident and emergency service, all branches of surgery and medicine, a renal service serving the whole of north London, paediatrics, maternity services, care of elderly people, an adolescent psychiatric service and one of two high security infectious diseases units in the country.

Royal Free is renowned for their specialist services including liver, kidney and bone marrow transplantation, renal, AIDS/HIV, infectious diseases, plastic surgery, immunology, paediatric gastroenterology, ENT surgery and audiological medicine, amyloidosis and scleroderma. The Trust is a leading cancer centre with a range of specialist diagnostic and treatment services in oncology and haematology and a major neuroscience base with a network extending throughout north London and into
the Home Counties. There are associated internationally recognised research and training programmes.

The hospitals and associated medical school conduct medical research, much of which is of international status, and constitute a leading site for the training of doctors, nurses, midwives and professions allied to medicine.

The Whittington Heath
The Whittington Health is an acute general teaching hospital situated in Archway, in the north of Islington. The Trust primarily serves the communities of north Islington and west Haringey, a population of approximately 250,000 people. The hospital also treats a significant number of patients from Camden, Barnet and Hackney. There are 467 beds and over 2,000 staff. The Whittington is one of the teaching hospitals of the University of London. The Trust provides clinical placements for undergraduates and has a large post-graduate training centre. In addition, it provides training for a wide range of other health professionals including nurses, midwives, radiographers and dieticians.

University College London Hospitals NHS Foundation Trust
University College London Hospitals NHS Foundation Trust (UCLH), situated in the heart of London, is one of the most complex NHS Trusts in the United Kingdom, serving a large and diverse population. UCLH provides academically led acute and specialist services, both locally and to patients from throughout the United Kingdom and abroad. UCLH balances the provision of highly rated specialist services with providing acute services to the local populations of Camden, Islington, Westminster and the City of London.

The Trust has a turnover of £632 million and contracts with more than 150 Primary Care Trusts to provide services. They treat over 500,000 outpatients appointments and admit 100,000 patients each year. UCLH employs 6,000 staff and is a major teaching centre offering training for nurses, doctors and other health care professionals.

The Trust has an international reputation and a tradition of innovation. Their excellence in research and development was recognised in December 2006 when in partnership with University College London they became one of the country’s five comprehensive biomedical research centres. Operational from September 2008, UCL Partners was created, bringing together five of Britain's world renowned medical research centres and hospitals: UCL (University College London); Great Ormond Street Hospital for Children NHS Trust (GOSH); Moorfields Eye Hospital NHS Foundation Trust; the Royal Free London NHS Foundation Trust; and, University College London Hospitals NHS Foundation Trust.
1. INTRODUCTION

There are 3 speciality-based Academic Foundation Programmes on offer at University of Surrey.

Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.

2. DETAILS OF TRAINING PROGRAMMES

A spread sheet summarising all of the available programmes is available to download from http://www.stfs.kss.hee.nhs.uk/tfs-academic-foundation-programme-recruitment.

<table>
<thead>
<tr>
<th>Programme Reference</th>
<th>Programme Theme</th>
<th>Based at</th>
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<tbody>
<tr>
<td>1617/UOS/01</td>
<td>Clinical Informatics &amp; Health Outcomes research</td>
<td>University of Surrey &amp; Royal Surrey County Hospital</td>
</tr>
<tr>
<td>1617/UOS/02</td>
<td>Clinical Informatics &amp; Health Outcomes research</td>
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</tr>
<tr>
<td>1617/UOS/03</td>
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3. PLACEMENTS

Successful applicants are recruited to a specific 4 month academic F2 post i.e. academic GUM. This post sits within a generic 2 year foundation programme with 5 other clinical placements, balanced to enable acquisition of foundation competences. Applicants should note that clinical placements are subject to change dependent on service need and provisional until confirmed by the employing Trust.

Programmes 1-3 – Clinical Informatics & Health Outcomes research – based at University of Surrey & Royal Surrey County Hospital
Reference: 1617/UOS/13
Reference: 1617/UOS/14
Reference: 1617/UOS/15

Individual Placement Descriptor (IPD) for the four month academic placement
Separate IPDs for clinical placements are available on foundation school website

The aim is to introduce Foundation doctors to academic medicine, in order to encourage individuals to undertake research training and consider a clinical academic career.
Employing trust:
Royal Surrey County Hospital NHS Foundation Trust

Academic placement based at:
University of Surrey & Royal Surrey County Hospital

Brief outline of department

The Section of Clinical Medicine and Ageing is part of the School of Bioscience and Medicine; which in turn is part of the Faculty of Health and Medical Sciences. This Section is the research home for clinical academics at the University, other than those who sit in the Oncology Section or within the Clinical Research Centre.

The Section supports the Faculty research theme of ageing, and is a home for high quality research across the medical specialties. Research areas range from population surveillance, through to vaccine effectiveness, child safeguarding, ophthalmology research, diabetes, cardiology, hepatology and audiology. The section will also include basic scientists working on DNA damage and repair. We aim to explore opportunities for conducting translational studies with our colleagues in Biosciences and linking with other researchers across the University, in addition to our national and international collaborators. Additionally, we will be pursuing opportunities to bring relevant disease registers to the University as they have scope to underpin high quality research.

The section is home to the primary care (chair Simon de Lusignan) and diabetes (chair Martin Whyte) Surrey Health Partners clinical academic groups. It also hosts the data and analysis hub of the Royal College of General Practitioners (RCGP) Research and Surveillance Centre (RSC) and the Type 2 Diabetes Real World Evidence Centre, set up as a collaboration with Lilly. The section is the home to the Clinical Informatics & Health Outcomes Research Group – www.clinif.eu

Our main research interests and groupings are:

- Health Outcomes: including Clinical Informatics and Quality Improvements
- Primary Care: focus on disease surveillance, vaccine research and primary care epidemiology (and informatics)
- Real-World Evidence Centre
- Primary Care Clinical Academic Group (CAG)

Structure of academic project / what expected

This unit allows access to a number of large existing data sources to allow the academic FY2 doctor to undertake high-impact analyses of data generally collected as part of existing studies within the four month placement.

The academic FY2 doctor should select their project during their FY1 year and this should be finalised at least 6 months ahead of the start of their 4 month placement to allow the necessary permissions for data usage and “hit the ground running”.

We have the expectation that the project will be presented at national or international level and written up as one or more peer-reviewed papers in the following months.

Trainees are expected to attend courses integral to the placement. The key courses are the research methodology using health data Summer School and the winter statistics course.
At the end of the attachment each trainee will be expected to present their academic progress to the Foundation team and write a reflective practice of their four months addressing all the phases of research.

**Clinical commitments during academic placement**

Each trainee will be allowed to select a clinical speciality (Hospital or Community based) to be attached to during their academic four months. This will be supernumerary to the service requirements of the specialty but will be required to contribute to two clinical sessions per week. These firms are to address the clinical competencies required during the F2 year and complete the same educational competencies as non-academic F2 posts. These firms will be at the Royal Surrey or in local primary care.

In Summary each Trainee as per STFS will need:-

- 6 Mini CEX
- 6 CDB
- 3 DOPS
- Attend F2 teaching at RSCH (70%)

**Departmental academic teaching programme (if applicable)**

N/A

**Academic Leads:**

Each trainee will have an educational supervisor for the whole year (Mr Piers Gatenby, Prof David Russell Jones, Dr Charles Godden) and a research supervisor (Professor Simon de Lusignan, Professor of Primary Care & Clinical Informatics; Head of Section of Clinical Medicine and Ageing). E-mail address: s.lusignan@surrey.ac.uk.

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4. **THE UNIVERSITY AND PARTNER TRUSTS**

**Royal Surrey County Hospital (Guildford)**

The Royal Surrey County Hospital is a leading modern General Hospital and specialist tertiary centre for cancer services. The hospital serves a population of 320,000 for emergency and general hospital services and is the lead specialist centre for cancer patients in Surrey, West Sussex and Hampshire, serving a population of 1.5 million. The hospital has an annual income of more than £250 million. Every year the RSCH sees around 215,000 outpatients, admits 58,500 patients for treatment and 72,000 patients attend the A & E department.

The Trust was licensed as an NHS Foundation Trust on 1st December 2009 and its future vision is to continue to develop both as a modern hospital and as a Cancer Centre.

At present have 527 beds and 14 operating theatres. We employ approximately 3,000 staff, making us the second largest employer in Guildford. We have very close
links with the University of Surrey and have an extensive education, training and research portfolio.

The Trust has a very strong reputation for minimally invasive surgery and laparoscopic surgery is used widely across the surgical specialties. The trust is a national leader in surgical training and laparoscopic surgery and MATTU (Minimal Access Therapy Training Unit) is one of the most advanced training centres for this type of surgery.

University Of Surrey - Section of Clinical Medicine and Ageing, Department of Clinical and Experimental Medicine, Faculty of Health and Medical Sciences

The Section of Clinical Medicine and Ageing is part of the School of Bioscience and Medicine; which in turn is part of the Faculty of Health and Medical Sciences. This Section is the research home for clinical academics at the University, other than those who sit in the Oncology Section or within the Clinical Research Centre.

The Section supports the Faculty research theme of ageing, and is a home for high quality research across the medical specialties. Research areas range from population surveillance, through to vaccine effectiveness, child safeguarding, ophthalmology research, diabetes, cardiology, hepatology and audiology. The section will also include basic scientists working on DNA damage and repair. We aim to explore opportunities for conducting translational studies with our colleagues in Biosciences and linking with other researchers across the University, in addition to our national and international collaborators. Additionally, we will be pursuing opportunities to bring relevant disease registers to the University as they have scope to underpin high quality research.

The section is home to the primary care (chair Simon de Lusignan) and diabetes (chair Martin Whyte) Surrey Health Partners clinical academic groups. It also hosts the data and analysis hub of the Royal College of General Practitioners (RCGP) Research and Surveillance Centre (RSC) and the Type 2 Diabetes Real World Evidence Centre, set up as a collaboration with Lilly. The section is the home to the Clinical Informatics & Health Outcomes Research Group – www.clinif.eu

Our main research interests and groupings are:

- Health Outcomes: including Clinical Informatics and Quality Improvements
- Primary Care: focus on disease surveillance, vaccine research and primary care epidemiology (and informatics)
- Real-World Evidence Centre
- Primary Care Clinical Academic Group (CAG)

Mission Statement:

- To improve human health through world leading discovery, research and learning

Supporting vision

To provide societal benefits through the optimisation of health with priority given to methods and interventions that address current global health challenges including an ageing population with multimorbidity. We provide this through excellence in
research, enterprise and scholarship. Our approach recognises the competitiveness of the research and teaching environment. We will work adopting the best from lean and agile management; but within a strongly personally supportive research and teaching environment.

Professor Simon de Lusignan - Professor of Primary Care & Clinical Informatics / Head of Section of Clinical Medicine and Ageing
APPENDIX C – APPEALS PROCESS AND TFS1 FORM

TFS ACADEMIC RECRUITMENT APPEALS PROCESS

1. Introduction
   If you wish to register an appeal regarding the outcome of the Academic Foundation Programme recruitment process for 2016, you should follow the process below.

2. Principles underlying the appeals policy
   The principles underlying the appeals policy are as follows:
   
   a. You cannot make an appeal simply because you disagree with the principles of the TFS recruitment process or the judgements or outcomes that have been made by the application scorers/interview panels. You may request a review by TFS where processes or procedures have not been followed, or there is evidence of unfairness in how the process has been implemented, and the objectivity of decisions is called into question.
   
   b. You can appeal against the outcome of the application process only on the following grounds:
      i. that the TFS application scoring/interview processes were not applied with appropriate diligence or due care;
      ii. that there is evidence of prejudice, bias or conflict of interest in the handling of your application.
   
   c. The appeals procedure will be fair and transparent and the final decision will be made in accordance with relevant employment legislation and statutory procedures.
   
   d. Your privacy and confidentiality will be respected, subject to the need for an open and fair investigation and for the outcome of the investigation to be reported appropriately. The intention is both to protect your privacy and to protect those involved with the appeals process.
   
   e. The TFS directors will appoint an independent panel which will consider your appeal. This panel will consist of a minimum of three people and will include an appropriate representative from a medical school and from a foundation school. At least one member of the panel will be a clinician.

3. How to register an appeal
   
   a. If you wish to register an appeal you must complete Form TFS1 (Appeal against TFS academic recruitment process) and submit it by email to tfsacademicrecruitment@stfs.org.uk and include “Appeal” in the subject line of the e-mail between 08:00 on 18 February 2016 and 17:00 on 25 February 2016. Appeals will not be accepted at any other time.
   
   b. You should include on your appeal form a full statement of the grounds for your appeal. You should set out the reasons why you believe that:
      i. the TFS application scoring/interview processes were not applied with appropriate diligence or due care; or
ii. there is evidence of prejudice, bias or conflict of interest during the recruitment process.

c. You will receive an email within five working days to acknowledge that your appeal has been received.

d. An initial review of the appeal will take place by an independent (non-foundation) Local Education & Training Board (LETB) representative (nominated by TFS) to ensure that the explanation of the grounds for appeal is consistent with the criteria for an appeal.

e. If the appeal meets the criteria the LETB representative will then review the way your application was processed to check whether any clerical errors have occurred. If the LETB representative finds clerical errors in the way your application was processed, s/he will inform the TFS directors and a TFS director will contact you to discuss an appropriate outcome.

f. In the case that there are no clerical errors, the TFS directors will appoint an independent appeals panel to consider the appeal.

g. The independent appeals panel will make their decision on the basis of any investigations they consider reasonable, having regard to your statement within the appeal and any supporting evidence provided by you. Applicants will not be expected to attend the panel. TFS will contact you with the panel’s decision within fifteen working days of the published deadline for receipt of appeals (i.e. by 17:00 on 17 March 2016).

h. If your appeal is successful, the TFS directors will agree a satisfactory resolution.

i. If your appeal is unsuccessful, you are not able to further appeal within this process as the decision of the independent appeals panel is final.

j. If you wish to withdraw your appeal, you must write to TFS at the email address above.
Form TFS 1
APPEAL AGAINST TFS ACADEMIC RECRUITMENT PROCESS

<table>
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| Current address:  |  for correspondence  
| Postcode:         |  
| Telephone number: |  
| Mobile telephone: |  
| Email:            |  

CRITERIA FOR APPEALS
Please tick below the criterion which you feel is relevant to your appeal.
You may wish to tick one or more of these boxes.

☐ that the TFS application scoring/interview processes were not applied with appropriate diligence or due care;

☐ there is evidence of prejudice, bias or conflict of interest during the handling of my application
APPLICANT’S EXPLANATION OF GROUNDS FOR APPEAL

Please explain succinctly the grounds for your appeal. Please limit this information to one side of A4 paper (please note that applicants who need to use a large print font due to a disability may submit additional pages).
**DECLARATION**

I confirm that:
- the above information is correct and truthful
- I have read and understood the TFS academic recruitment appeals process
- I have stated my grounds for appeal, which I wish the appeals panel to consider
- I give my permission for information in this application to be used in anonymised form for review and evaluation of the process

I hereby formally submit my appeal against the outcome of my application to the TFS Academic Foundation Programmes 2016.

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You must submit the completed appeal form via email to:

[tfacademicrecruitment@stfs.org.uk](mailto:tfacademicrecruitment@stfs.org.uk)

between 08:00 on 18 February 2016 and 17:00 on 25 February 2016

Appeals will not be accepted at any other time.
APPENDIX D – EXAMPLE OF CLINICAL SCENARIO AND ABSTRACT

Please find below, for information only, examples of the format of a clinical scenario and abstract that will be issued as part of the TFS interview process. The clinical scenario will form part of the clinical interview and the abstract part of the academic interview. Applicants will have a total of 30 minutes to consider the scenario and abstract before they begin their interview. See page 14 for more details.

CLINICAL SCENARIO - EXAMPLE

You are an FY1 in Trauma and Orthopaedics. You are clerking in a 28 year old man who has just been admitted following an assault 16 hours before, in which he sustained broken ribs, a broken wrist and a head injury. He is very upset and you ask if there is anything else troubling him. He tells you that he was also anally raped by the four assailants and is concerned about his health and his relationship with his girlfriend.

During your conversation you are called by a nurse on the ward, who asks you to see a 19 year old woman at the other end of the ward urgently. The woman was admitted the day before with a fracture dislocation of her elbow following a fall, and has become very short of breath and is finding it difficult to speak. Observations carried out by the nurse show pulse 120/min, blood pressure 110/70, temperature 37.5.°

A police officer has come onto the ward and wants to ask you about the first patient’s injuries. Your consultant is in clinic and your SpR in theatre.

How do you proceed?

ABSTRACT - EXAMPLE

Abstract title
Patients’ expectations about effects of chemotherapy for advanced cancer.

Background:
Chemotherapy for metastatic lung or colorectal cancer can prolong life by weeks or months and may provide palliation, but it is not curative.

Methods:
We studied 1193 patients participating in the Cancer Care Outcomes Research and Surveillance (CanCORS) study (a national, prospective, observational cohort study) who were alive 4 months after diagnosis and received chemotherapy for newly diagnosed metastatic (stage IV) lung or colorectal cancer. We sought to characterize the prevalence of the expectation that chemotherapy might be curative and to identify the clinical, sociodemographic, and health-system factors associated with this expectation. Data were obtained from a patient survey by professional interviewers in addition to a comprehensive review of medical records.

Results:
Overall, 69% of patients with lung cancer and 81% of those with colorectal cancer did not report understanding that chemotherapy was not at all likely to cure their cancer. In multivariable logistic regression, the risk of reporting inaccurate beliefs about chemotherapy was higher among patients with colorectal cancer, as compared
with those with lung cancer (odds ratio, 1.75; 95% confidence interval [CI], 1.29 to 2.37); among nonwhite and Hispanic patients, as compared with non-Hispanic white patients (odds ratio for Hispanic patients, 2.82; 95% CI, 1.51 to 5.27; odds ratio for black patients, 2.93; 95% CI, 1.80 to 4.78); and among patients who rated their communication with their physician very favorably, as compared with less favorably (odds ratio for highest third vs. lowest third, 1.90; 95% CI, 1.33 to 2.72). Educational level, functional status, and the patient's role in decision making were not associated with such inaccurate beliefs about chemotherapy.

**Conclusions:**
Many patients receiving chemotherapy for incurable cancers may not understand that chemotherapy is unlikely to be curative, which could compromise their ability to make informed treatment decisions that are consonant with their preferences. Physicians may be able to improve patients' understanding, but this may come at the cost of patients' satisfaction with them. (Funded by the National Cancer Institute and others)