

London and South East (LaSE) Academic Foundation Programme Recruitment



**Academic
Prospectus**

**Programmes
commencing
August 2017**

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London and South East

Academic foundation programme recruitment

Programmes commencing August 2017

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If you have a query regarding any aspect of the process for applying for a LaSE academic foundation programme please contact us through our applicant enquiries webpage at <http://applicantenquiries.londondeanery.ac.uk/Enquiry>

Front cover image provided by Dr Sophia Khattak

www.stfs.org.uk/london-and-south-east-lase-academic-foundation-programme-recruitment

INTRODUCTION

The UK Foundation Programme Office (UKFPO) has published guidance for applicants to the 2017 Academic Foundation Programme (AFP) containing comprehensive details on this year's application process plus a timeline showing key dates.

Applications to AFP and FP2017 will need to be submitted during the same application window. Applications for AFP will be made separately through Oriel to a maximum of two Academic Units of Application (AUoAs), and will comprise the standard application form, plus additional information required by 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 2017 is in **two stages**:

Part 1 will commence with a standard national application form, plus supplementary information required separately by AUoAs, which prospective applicants must submit online between **3 October 2016 and 14 October 2016 (by 12 noon)**.

Applying to the national AFP 2017 recruitment round:

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

Applicants will be issued with an applicant ID 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 **17 October 2016 and 13 January 2017**.

This document outlines the local process to be used by applicants applying to London and South East Academic Foundation Programmes.

For further information on the AFP 2017 application process, please go to the Academic section of the UKFPO website and download the FP/AFP 2017 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 2017 entry, you must either have qualified or are expecting to qualify from a UK medical school between 2 August 2015 and 1 August 2017; or you must complete an online Eligibility application form and submit the required documentation by post to the UKFPO's Eligibility Office between 11 July 2016 and 12 noon (BST) 10 August 2016. See <http://www.foundationprogramme.nhs.uk> 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 application form(s) during the same two week period.

The academic application form is divided into eleven sections: Personal, Eligibility, Fitness, References, Competences, Employment (not applicable to applicants to the Foundation Programme), Evidence, Supporting (AFP only), Preferences, Equality and Declarations. Each section is accessed from tabs at the top of the screen.

If an applicant wishes to apply for AFP2017, they will need to apply to each AUoA separately (up to a maximum of two AUoAs). As you will have previously registered through the Oriol system, details included on the registration pages will be pre-populated in the application form. You will be required to provide additional information to support your AFP application(s) and to rank the academic programmes available in your order of preference.

National FP/AFP 2017 Applicant's Handbook is available at <http://www.foundationprogramme.nhs.uk/pages/medical-students>

Key

	Details pre-populated from the registration form/FP application form
	Additional information required by applicants submitting an application form to the London and South East AFP AUoA

Personal

See FP/AFP 2017 Applicant's Handbook – page 12

Eligibility

See FP/AFP 2017 Applicant's Handbook – page 12

Fitness

See FP/AFP 2017 Applicant's Handbook – page 13

References (intentionally blank)

See FP/AFP 2017 Applicant's Handbook – page 13

Competences

See FP/AFP 2017 Applicant's Handbook – page 15

Employment (not applicable to applicants to the Foundation Programme)

Evidence

See FP/AFP 2017 Applicant's Handbook – page 37

See page 8 below for submitting an academic application to the London and South East AFP AUoA

Supporting

See FP/AFP 2017 Applicant's Handbook – page 37

See page 13 below for submitting an academic application to the London and South East AFP AUoA

Preferences (for London and South East)

See FP/AFP 2017 Applicant's Handbook – page 37

See page 13 below for submitting an academic application to the London and South East AFP AUoA

Equality

See FP/AFP 2017 Applicant's Handbook – page 38

Declarations

See FP/AFP 2017 Applicant's Handbook – page 38

LONDON AND SOUTH EAST ACADEMIC FOUNDATION PROGRAMME ACADEMIC UNIT OF APPLICATION

North Central Thames, North East Thames, North West London and South Thames Foundation Schools have joined together to form the London and South East (LaSE) AFP Academic Unit of Application (UoA) for the purpose of recruiting to Academic Foundation Programmes commencing in August 2017.

The LaSE AFP AUoA is affiliated to seven medical schools/universities which together offer a total of **127** Academic Foundation Programmes:

Medical School/University	Foundation School	No. of Programmes
Brighton and Sussex Medical School (BSMS)	STFS	18
Imperial College London (IMP)	NWLFS	27
King's College London (KCL)	STFS	19
Queen Mary University of London (QMUL)	NETFS	27
St George's University of London (SGUL)	STFS	12
University College London (UCL)	NCTFS	21
University of Surrey	STFS	3
		Total: 127

Successful applicants are recruited to a specific 4 month academic F2 post e.g. 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 healthcare organisation.

Details of both the LaSE AFP AUoA application process and the programmes available are given below and are also available at: <http://www.stfs.org.uk/london-and-south-east-lase-academic-foundation-programme-recruitment>.

If you have a query regarding any aspect of the process for applying for a LaSE academic foundation programme please contact us through our applicant enquiries webpage at <http://applicantenquiries.londondeanery.ac.uk/Enquiry>.

LaSE AFP APPLICATION PROCESS

Timeline

27 June 2016	Publication of FP 2017 application round information on the UKFPO website including FP2017 Applicant's Handbook and the academic eligibility process and documentation
22 August 2016	AFP programme details available to view online on Oriel
26 September 2016	Applicants to register and confirm on Oriel (applicants will be sent an email containing a link to a URL)
03 October 2016	On-line application process opens for both FP and AFP
14 October 2016	On-line application process closes at 12.00 noon (BST)
18 November 2016	Applicants notified of outcome of application to LaSE AFP AUoA
22 November 2016	Deadline for applicants invited to interview to book an interview slot (by 12:00 noon)
30 November 2016	LaSE AFP interviews – (hosted by QMUL)
12 December 2016	LaSE AFP interviews – (hosted by SGUL)
14 December 2016	LaSE AFP interviews – (hosted by UCL)
15 December 2016	LaSE AFP interviews – (hosted by Imperial)
16 December 2016	LaSE AFP interviews – (hosted by BSMS)
05 January 2017	LaSE AFP interviews – (hosted by KCL)
18 January 2017	National offer date - applicants notified of outcome of applications on Oriel (between 09.00 and 10:00)
20 January 2017	Deadline for applicants to accept or decline offer(s) (*between 09:00 and 10:00 48 hours later)
25 January 2017	AFP first cascade offers date (between 09.00 and 10:00)
27 January 2017	Deadline for applicants to accept or decline offer(s) (*between 09:00 and 10:00 48 hours later)
01 February 2017	AFP second cascade offers date (between 09.00 and 10:00)
03 February 2017	Deadline for applicants to accept or decline offer(s) (*between 09:00 and 10:00 48 hours later)
8 February 2017	AFP third cascade offers date (between 09.00 and 10:00)
10 February 2017	Deadline for applicants to accept or decline offer(s) (*between 09:00 and 10:00 48 hours later)
13 - 15 February 2017	Final offers made
16 February 2017	Applicants informed of their ranking
09 March 2017	FP primary list allocation

* **Offers Process** – 48 hours to accept or decline an offer before it expires

Sarah applied to the West Midlands AUoA vacancy and the Scotland AUoA vacancy on Oriel. Sarah was deemed appointable and ranked highly enough to be offered a programme in both AUoAs.

On the 18 January 2017, the offer for the West Midlands AUoA became available on the system at 9.00am. The offer for Scotland AUoA was released at 9.15am.

The programme offer for West Midlands AUoA will expire at 9.00am on Friday 20 January 2017, whereas the programme offer from Scotland AUoA will expire at 9.15am on Friday 20 January 2017.

LaSE AFP Person Specification

Applicants for LaSE 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 2017 person specification applicants applying for LaSE AFPs 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
- AND/OR
- Distinctions, merits or equivalent throughout undergraduate medical programme
- AND/OR
- Peer reviewed publication/s

LaSE AFPs 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 application form

Applicants are able to choose a maximum of two AUoAs.

Please note that in some instances, the two AUoAs you are applying to may use common items. If this is the case, you may wish to use the same answer for both. However it is important to note that even if you provide exactly the same answer for two AUoAs, the scores awarded by each AUoA may differ.

Evidence

See FP/AFP 2017 Applicant's Handbook – page 37

See specific details below for submitting an academic application to the LaSE AFP AUoA

Applicants will be required to enter details of any further educational achievements they wish to record in the academic application form (other than their primary medical qualification). If applicants wish to claim the same achievements as in their standard FP form, they must complete this section again since it is a separate application form and will be considered in its own right. Applicants can enter a maximum of 32 achievements in total in this section, 2 additional degrees, ten publications, ten presentations and ten prizes.

Applicants may be asked to submit evidence of their further educational achievements as part of the LaSE AFP 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 is up to date and available for them to supply to LaSE AFP AUoA if requested.

Scoring Criteria for further educational achievements

Information entered on the LaSE AFP academic application form will be scored by LaSE AFP AUoA using the following local scoring criteria:-

A Further Degrees**Score 0 - 10**

Please note that further degrees will be scored by LaSE AFP AUoA using the same criteria as defined by the UKFPO in the FP/AFP 2017 Applicant's Handbook.

Points (max - 10)	Degree Category
0	<ul style="list-style-type: none"> Primary Medical Qualification only 3rd class BMedSci awarded at University of Nottingham
1	<ul style="list-style-type: none"> 3rd class honours degree Unclassified honours degree 2.2 class BMedSci awarded at University of Nottingham
2	<ul style="list-style-type: none"> 2.2 class honours degree 2.1 class BMedSci awarded at University of Nottingham
3	<ul style="list-style-type: none"> 2.1 honours degree 1st class BMedSci awarded at University of Nottingham
4	<ul style="list-style-type: none"> Postgraduate Masters degree 1st class honours degree Bachelor of Dental Surgery (BDS) Bachelor Veterinary Medicine (B Vet Med)
5	<ul style="list-style-type: none"> Doctoral degree (PhD, DPhil, etc)

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.
- Points for a postgraduate masters' degrees 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 a competitive entry requirement of a previous degree or equivalent.
- Typically masters' degrees are awarded a pass/merit/distinction classification.
- 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 masters' degrees 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.
- 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 **14 October 2016**.

- 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.
- 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.

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 Educational Achievements

Score: 0 – 15

*Please note the LaSE AFP AUoA scoring criteria is **different** from that defined by the UKFPO in the FP/AFP 2017 Applicant’s Handbook. **Please read details below carefully.***

Publications and presentations

Points for each	Scoring Criteria
2	Original research paper published in a peer-reviewed journal
1	Oral or poster presentation at a national or international conference
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.
- LaSE AFP AUoA will only award points for peer reviewed papers with a PubMedID (PMID).
- 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>.
 - Please clearly state "in press" in the 'year/volume' field of the application form.

NB book chapters will not score points in this section but it may be appropriate for applicants to reference book chapters in the supplementary section of the academic application.

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 (**14 October 2016**).
- 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

Points for each	Scoring Criteria
1	Distinctions, Merits and/or Scientific/Medical first prizes; <ul style="list-style-type: none"> • 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.
- Distinctions and merits must have been awarded before the close of the application period (14 October 2016)
- A prize is awarded for academic achievement rather than for an activity. Applicants must:
 - State the name of the prize
 - Date the prize was awarded
 - State the official name of the awarding body and, in brackets after the name, include how the prize was won and detail of what it was awarded for

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.

Supporting**Additional Information**

See FP/AFP 2017 Applicant's Handbook – page 37

See specific details below for submitting an academic application to the London and South East AUoA

Applicants will be required to complete 4 'white space' questions. Oriel will display the items of information that are required for each AUoA selected. Applicants will have space to write a maximum of 225 words for each item.

Preferences (London and South East AFP)**Preferences (London and South East AFP)**

See FP/AFP 2017 Applicant's Handbook – page 37

See specific details below for submitting an academic application to the London and South East AUoA

Applicants will be required to rank the LaSE academic programmes before they submit their application. Applicants are strongly recommended to positively rank all programmes. Ranking is done using a drag and drop process. Applicants will need to drag the relevant programmes into the column entitled 'preference'. If there are programmes they are not prepared to accept they will need to leave them in the 'no preference' column. However, applicants should consider this carefully since not positively ranking many may affect their chances of being offered an academic programme. The system saves the preferences when the applicant presses 'save'.

The LaSE academic foundation programmes were extremely popular last year with 88% 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 ranked 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.

Equality**Equality (AFP – London and South East)**

See FP/AFP 2017 Applicant's Handbook – page 38

Declarations

Declarations

See FP/AFP 2017 Applicant's Handbook – page 38

See specific details below for submitting an academic application to the London and South East AUoA

Oriel will prevent applicants from submitting their application until all sections of the application form have been completed. Applicants will also need to have already submitted an FP application.

IMPORTANT: Once an application form has been submitted, it cannot be amended.

Long Listing

LaSE AFP applicants with a relatively low decile score compared with other LaSE AFP applicants will not have their application scored. The decile cut off point will be determined by the number of applications to LaSE AFPs and the corresponding scores of all applications received.

For example, for the August 2015 recruitment process:

- LaSE AFPs received 656 applications
- 161 applicants fell below the decile cut off and 495 were progressed for application scoring

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. LaSE AFPs receive a large number of applications from students in the 1st quartile of their local medical school. John's decile score compared to the other applicants is in the bottom quartile of all LaSE AFP applicants. John's application may, therefore, not be progressed further.

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 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, LaSE AFP AUoA will issue an e-mail on the 18 November 2016, notifying LaSE AFP 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

LaSE AFP AUoA will be holding six interview sessions as follows:

30 November 2016	LaSE AFP interviews – (hosted by QMUL)
12 December 2016	LaSE AFP interviews - (hosted by SGUL)
14 December 2016	LaSE AFP interviews - (hosted by UCL)
15 December 2016	LaSE AFP interviews – (hosted by Imperial)
16 December 2016	LaSE AFP interviews – (hosted by BSMS)
05 January 2017	LaSE AFP interviews – (hosted by KCL)

The LaSE AFP AUoA interview ratio for academic foundation programmes is usually 2:1 e.g. if LaSE AFP AUoA has 127 AFPs it would aim to offer at least 254 interview places.

Applicants invited to interview will be required to log onto Oriel 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 22 November 2016**. 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 LaSE AFP 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

LaSE AFP AUoA will not be offering telephone or Skype interviews for the 2017 recruitment round as the interview is an OSCE style which it is very difficult to replicate over the telephone or via 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 LaSE academic foundation programmes.

LaSE AFP AUoA is offering six interview dates across December 2016 and January 2017 in order to provide as much flexibility 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 8 and 18 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:

Registration and identity checks	10 minutes
Review of abstract and clinical scenario	30 minutes
Panel 1 interview (either clinical or academic – order to be notified on the day)	10 minutes
Break	5 minutes
Panel 2 interview (either clinical or academic – order to be notified on the day)	10 minutes
Completion of evaluation questionnaire/submission of travel expense form	5 minutes

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 C 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 during the course of the interview, the concern will be fed back to the applicant's medical school in order for them to consider whether an applicant may need additional support.

Matching to Programmes

A combination of application score and interview score will be added to the applicants' decile score to provide an overall LaSE AFP ranking score for each application (see appendix D).

NB moderation (Z score) may need to be applied to application/interview scores if deemed necessary by the Academic Lead for LaSE AFP recruitment following the quality review of scores.

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

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

Application Outcomes

On **18 January 2017** applicants can login to their Oriel account to see the result of their application(s). If an applicant has been offered a programme, they will also receive an email via Oriel. The result of the application will be either an offer of a programme, notification that the applicant is on the reserve list or notification that they have not been successful. Offers will be made between 09:00 and 10:00. Applicants who have received an AFP offer must accept or decline the offer on FPAS within **48 hours (i.e. if offer is released at 09:15 on 18 January the offer will expire at 09:15 on 20 January)**. Failure to do so by the deadline will result in the offer being withdrawn.

NB: Successful applicants are recruited to a specific 4 month academic F2 post e.g. 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 healthcare organisation.

If an applicant accepts a LaSE 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 25 January 2017 and 10 February 2017, whereby LaSE AFP AUoA 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 48 hours to accept or reject the offer of a programme on Oriel. After the third cascade of offers LaSE AFP AUoA will have three days (13 – 15 February 2017) 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 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 process. 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 process.

Feedback

Applicants can obtain copies of their score sheets through the applicant enquiries web page at <http://applicantenquiries.londondeanery.ac.uk/Enquiry>.

LaSE AFP AUoA will also issue all applicants with their LaSE AFP rankings (including the number of applications received) once the recruitment process has been completed.

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 can demonstrate that the published processes or procedures pertaining to the recruitment episode have not been followed correctly or the objectivity of decision making is called into question, which has a significant adverse effect on the applicants application. There is an opportunity to do this at the conclusion of the process, after applicants are matched to programmes. Further details will be available at <http://www.stfs.org.uk/london-and-south-east-lase-academic-foundation-programme-recruitment>.

Offer of Employment

The AFP recruitment process is a matching process only. The offer of employment will be made by the employing healthcare organisation on completion of satisfactory references and pre-employment checks such as DBS 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 healthcare organisations. 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 educational achievements as part of the LaSE AFP recruitment process and/or pre-employment checks by the employing healthcare organisation.

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 LaSE AFP AUoA 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.

GENERAL INFORMATION

Start Date

F1 programmes are expected to commence on 2 August 2017.

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. Please note that many employing organisations offer extended periods of induction/shadowing which exceed the national minimum requirements and so applicants should ensure that they are available to join their employing healthcare organisations from **Monday 24 July 2017**.

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 healthcare organisation on confirmation of appointment.

Details of pay rates can be found at:

<http://www.nhsemployers.org/your-workforce/need-to-know/junior-doctors-contract>

Travel & Relocation Expenses

The reimbursement of travel and relocation expenses is administered by the LaSE Healthcare Education Team. Successful applicants to a LaSE AFP would follow the process 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 Programme Certificate of Completion (FPCC).

Academic Career Options

Further information is available on:

<https://www.healthcareers.nhs.uk/i-am/working-health/clinical-academic-careers/clinical-academic-medicine>.

APPENDIX A – LaSE AFP PERSON SPECIFICATION

London and South East Academic foundation programme recruitment

Programmes commencing August 2017

Person specification

	ESSENTIAL CRITERIA	DEMONSTRATED BY
Eligibility	Applicants must meet the requirements set out in the UK Foundation Programme 2017 Eligibility Criteria.	Eligibility checking
Qualifications	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 2017.	Eligibility checking
Clinical Knowledge & Skills	<p>The applicant must be familiar with and be able to demonstrate an understanding of the major principles of the GMC's Good Medical Practice (2013)¹ including:</p> <ul style="list-style-type: none"> • Knowledge, skills and performance • Safety and quality • Communication, partnership and teamwork • Maintaining trust <p>The applicant must demonstrate an understanding of the outcomes to be achieved in the UK Foundation Programme as set out in the GMC's Promoting excellence: standards for medical education and training¹.</p>	<p>Application²/ pre-employment screening</p> <p>Clinical assessment (<i>where appropriate</i>)</p>
Language & Communication Skills	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 Good Medical Practice (2013) ¹ .	<p>Application²/ pre-employment screening</p> <p>Clinical assessment (<i>where appropriate</i>)</p>
Attributes	<p>The applicant must demonstrate:</p> <ul style="list-style-type: none"> • an understanding of the importance of the patient as the central focus of care • the ability to prioritise tasks and information and take appropriate decisions 	<p>Application²/pre-employment screening</p> <p>Clinical assessment (<i>where appropriate</i>)</p>

	<ul style="list-style-type: none"> • an understanding of the importance of working effectively with others • the ability to communicate effectively with both colleagues and patients • initiative and the ability to deal effectively with pressure and/or challenge • commitment to learning and continued professional development • self-awareness and insight into the boundaries of their own abilities • an understanding of the principles of equality and diversity. 	
Probity	<p>The applicant must demonstrate appropriate professional behaviour, i.e. integrity, honesty, confidentiality as set out in the GMC's Good Medical Practice (2013)¹.</p> <p>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.</p>	Application ² /pre-employment screening
DESIRABLE CRITERIA FOR LONDON AND SOUTH EAST ACADEMIC FOUNDATION PROGRAMMES		
Academic Requirements	<p>The applicant should provide evidence of consistent high academic achievement, for example:</p> <ul style="list-style-type: none"> • 1st class honours for a BSc <p>AND/OR</p> <ul style="list-style-type: none"> • Distinctions, merits or equivalent throughout undergraduate medical programme <p>AND/OR</p> <ul style="list-style-type: none"> • Peer reviewed publication/s 	Application ² / pre-employment screening
Attributes	<p>Academic Attributes</p> <ul style="list-style-type: none"> • an understanding of the principles of ethical medical research • an understanding of the importance of effective teaching 	Application ² / pre-employment screening

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 – LaSE 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. Brighton & Sussex Medical School (BSMS)
- B2. Imperial College Medical School & Partner Trusts (IMP)
- B3. King's College London/GKT School of Medical Education (KCL)
- B4. Queen Mary University of London (Barts and London School of Medicine and Dentistry)
- 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 e.g. 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 healthcare organisation.

A spread sheet summarising all of the available programmes is available to download from <http://www.stfs.org.uk/london-and-south-east-lase-academic-foundation-programme-recruitment>.

2-YEAR ACADEMIC FOUNDATION PROGRAMMES AT B1. BRIGHTON & SUSSEX MEDICAL SCHOOL (BSMS)

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 e.g. 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 healthcare organisation.

2. DETAILS OF TRAINING PROGRAMMES

Programme Reference	Programme Theme	Based at
1718/BSMS/01	Stroke & Elderly Care	Royal Sussex County Hospital
1718/BSMS/02	Haematology	Royal Sussex County Hospital
1718/BSMS/03	Infectious Diseases	Royal Sussex County Hospital
1718/BSMS/04	Rheumatology	Royal Sussex County Hospital
1718/BSMS/05	Hepatology	Royal Sussex County Hospital
1718/BSMS/06	Medical Education	Royal Sussex County Hospital
1718/BSMS/07	Intensive Care Medicine	Royal Sussex County Hospital
1718/BSMS/08	Genito-Urinary Medicine	Royal Sussex County Hospital
1718/BSMS/09	Paediatrics	Royal Sussex County Hospital
1718/BSMS/10	General Practice	Royal Sussex County Hospital
1718/BSMS/11	General Practice	Royal Sussex County Hospital
1718/BSMS/12	General Practice	Royal Sussex County Hospital
1718/BSMS/13	Academic Management and Leadership	Royal Sussex County Hospital
1718/BSMS/14	Academic Management and Leadership	Royal Sussex County Hospital
1718/BSMS/15	Academic Management and Leadership	Royal Sussex County Hospital
1718/BSMS/16	Academic Management and Leadership	Royal Sussex County Hospital
1718/BSMS/17	Academic Management and Leadership	Royal Sussex County Hospital
1718/BSMS/18	Academic Management and Leadership	Royal Sussex County Hospital

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 healthcare organisation.

Programme 1 – Stroke/Elderly Care – based at BSMS/BSUH

Reference: 1718/BSMS/01

<i>Type of programme:</i>	
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.	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Brighton and Sussex University Hospitals NHS Trust	Royal Sussex County Hospital
<i>Brief outline of department:</i>	
Professor C Rajkumar is the Charles Hunnisett Foundation Chair of Geriatrics and 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 novel 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 runs several clinical trials in Stroke Medicine as part of the National Institute of Health Research (NIHR) Stroke research network. The candidates will have the opportunity to be part of these multi-centre trials.

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.

Structure of academic project/what expected

In the past few years, candidates who have held this post have ended up publishing in international 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.

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.

Clinical commitments during academic placement

Clinical experience with two ward rounds per week and one outpatient clinic per week.

Departmental academic teaching programme (if applicable)

The unit is also part of the undergraduate training programme and Professor C Rajkumar is the lead for Stroke Medicine module. The feedback from students for this module has been excellent and the academic trainee will have ample opportunity to be involved in this training module. There will also be opportunities to be involved in undergraduate exams and also various teaching programmes.

Clinical teaching mainly during the above ward rounds to 3rd year medical students and teaching in 2 clinics per month.

Academic Lead:

Professor C Rajkumar
01273 523360

Raj.Rajkumar@bsuh.nhs.uk

<http://www.bsms.ac.uk/research/our-researchers/chakravarthi-rajkumar/>

Programme 2 – Haematology – based at BSUH/BSMS

Reference: 1718/BSMS/02

<i>Type of programme:</i>	
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.	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Brighton and Sussex University Hospitals NHS Trust	Royal Sussex County Hospital
<i>Brief outline of department</i>	
<p>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.</p> <p>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.</p> <p>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.</p>	
<i>Structure of academic project/what expected</i>	
This will be tailored to the individual. Most projects are experimental laboratory-based but clinical research opportunities could also be arranged.	
<i>Clinical commitments during academic placement</i>	
Ad hoc haematology clinic experience could be arranged if the candidate so desired but the primary focus will be on academic research.	

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: 1718/BSMS/03

Type of programme:

Research

*Employing trust:*Brighton and Sussex University Hospitals
NHS Trust*Academic placement based at:*

Royal Sussex County Hospital

Brief outline of department

Infectious diseases is a major academic theme at Brighton and Sussex Medical School. Among the clinical academics, Prof Newport is head of the Department of Global Health and Infection at BSMS which supports a number of research projects suitable for FY2 academic trainees offering experience in a range of disciplines (e.g. epidemiology, lab-based genetics and immunology) and topics (global anti-microbial resistance, tuberculosis, HIV, malaria, neglected tropical diseases, non-communicable diseases in low-income settings). . BSMS is a Wellcome Trust Centre for Global Health Research and we have good links with centres in Africa (e.g. Zambia, Ethiopia) where previous trainees have undertaken their research projects, subject to Deanery approval.

Within this department, 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. .

<i>Structure of academic project/what expected</i>	
<p>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.</p>	
<i>Clinical commitments during academic placement</i>	
None	
<i>Departmental academic teaching programme (if applicable)</i>	
Not applicable	
<i>Academic Leads:</i>	
<p>Dr Llewelyn m.j.llewelyn@bsms.ac.uk;</p> <p>Prof Newport m.j.newport@bsms.ac.uk</p> <p>www.bsms.ac.uk/research/our-research/infection-immunology for further information.</p>	

Programme 4 – Rheumatology – based at BSUH/BSMS

Reference: 1718/BSMS/04

<i>Type of programme:</i>	
Research	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Brighton and Sussex University Hospitals NHS Trust	Royal Sussex County Hospital
<i>Brief outline of department</i>	
<p>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.</p>	

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: 1718/BSMS/05

Type of programme

Research

Employing trust:

Brighton and Sussex University Hospital

Academic placement based at:

Royal Sussex County Hospital

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, Reader in Medicine and Hon Consultant Hepatologist. 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). In 2014/15 BSUH was designated a Regional hepatitis C Centre/Operator Delivery Network to deliver the new oral HCV drugs.

The Hepatology research team consists of: Dr Sumita Verma, 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 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 (175K 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/hostels 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- (funder NIHR RfPB) 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
 Reader in Medicine, Honorary Consultant Hepatologist
s.verma@bsms.ac.uk
<https://www.bsms.ac.uk/about/contact-us/staff/dr-sumita-verma.aspx>

Programme 6 – Medical Education – based at BSUH/BSMS

Reference: 1718/BSMS/06

<i>Type of programme</i>	
<p><i>Research</i> - The main research areas for BSMS are in the areas of simulation, development of clinical reasoning, technology-enhanced learning, teaching and learning of safe prescribing, anatomy education and student admissions.</p>	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Brighton and Sussex University Hospitals NHS Trust	Royal Sussex County Hospital
<i>Brief outline of department</i>	
<p>The multi-professional Department of Medical Education (DME) is headed by Professor Gordon Ferns with other members of the academic team including Senior Lecturers, Senior Teaching Fellows, Teaching Fellows, Learning Technologists, PhD and MSc students involved in undergraduate and postgraduate teaching and learning and research.</p> <p>We have an active research programme comprising:</p> <ul style="list-style-type: none"> • Simulation in medical education • Technology enhanced learning and its use in healthcare settings • Development of clinical reasoning in students and junior doctors • The development of a structured approach to teaching and learning of prescribing and therapeutics in UK medical schools and extending this into the foundation years of clinical practice • Development and Evaluation of an innovative Longitudinal Integrated Clerkship in dementia • The impact of the BSMS Widening Participation Scheme into medicine (BrightMed) • The process of student selection; identification of predictors of future performance • Anatomy education • BSMS has a very strong student-led medical education society that is looking at peer-learning <p>The post-holder will also be able to apply for a Postgraduate Certificate in Medical Education, if appropriate, and will gain practical experience in teaching and assessment.</p> <p>The post will provide core and translatable skills for a future medical career.</p>	
<i>Structure of academic project/what expected</i>	
<p>Potential research projects will usually link in with the above research strands; however we also encourage post holders who wish to develop something new. This should be discussed with the academic leads in their F1 posting.</p>	

Clinical commitments during academic placement

None

Departmental academic teaching programme (if applicable)

The post holder is expected to participate in departmental teaching and learning and research meetings.

Academic Leads:

Dr Michael Okorie
Brighton and Sussex University Hospitals NHS Trust

m.okorie@bsms.ac.uk

Programme 7 – Intensive Care Medicine – based at BSUH

Reference: 1718/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

Employing trust:

Brighton and Sussex University
Hospitals NHS Trust

Academic placement based at:

Royal Sussex County Hospital

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

Programme 8 – Genito-Urinary Medicine – based at BSUH/BSMS

Reference: 1718/BSMS/08

Type of programme:

Research

<p><i>Employing trust:</i></p> <p>Brighton and Sussex University Hospitals NHS Trust</p>	<p><i>Academic placement based at:</i></p> <p>Royal Sussex County Hospital</p>
<p><i>Brief outline of department</i></p> <p>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.</p> <p>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.</p>	
<p><i>Structure of academic project/what expected</i></p> <p>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.</p> <p>Specifically, an F2 doctor would be integrated into the existing research team, and would develop skills in:</p> <ul style="list-style-type: none"> • Literature searches using electronic databases such as MEDLINE • Ethical Committee approval and research governance 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 	
<p><i>Clinical commitments during academic placement</i></p> <p>None</p>	
<p><i>Departmental academic teaching programme (if applicable)</i></p> <p>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.</p>	
<p><i>Academic Lead:</i></p> <p>Dr Jaime Vera j.vera@bsms.ac.uk</p>	

Programme 9 – Paediatrics – based at BSUH/BSMS

Reference: 1718/BSMS/09

<i>Type of programme</i>	
Research	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Brighton and Sussex University Hospitals NHS Trust	Royal Sussex County Hospital
<i>Brief outline of department</i>	
<p>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).</p> <p>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)).</p> <p>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.</p> <p>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.</p>	
<i>Structure of academic project/what expected</i>	
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.	
<i>Clinical commitments during academic placement</i>	
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.	
<i>Departmental academic teaching programme (if applicable)</i>	
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: 1718/BSMS/10

Reference: 1718/BSMS/11

Reference: 1718/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

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, dementia 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:

Paula McDonald, Senior Teaching Fellow,
P.Mcdonald@bsms.ac.uk
<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: 1718/BSMS/13

Reference: 1718/BSMS/14

Reference: 1718/BSMS/15

Reference: 1718/BSMS/16

Reference: 1718/BSMS/17

Reference: 1718/BSMS/18

<i>Type of programme:</i>	
Leadership	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Brighton and Sussex University Hospitals NHS Trust	Royal Sussex County Hospital
<i>Brief outline of department</i>	
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.	
<i>Structure of academic project/what expected</i>	
<p>1) Engagement with the BSUH leadership network throughout both FY1 and FY2</p> <ul style="list-style-type: none"> - 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
 - o This project should allow you to demonstrate both management and leadership qualities; pure audit or research is not appropriate
 - o Successful projects are usually trust wide and involve multi-disciplinary working however, they may also focused on developing services within specialist departments
 - o 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
- Expected: lead 3rd year medical student specialist study module on 'leadership through doing' (1 afternoon per week x 6 weeks if it falls during your academic block).
- 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
 - o 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/>

2-YEAR ACADEMIC FOUNDATION PROGRAMMES AT**B2. IMPERIAL COLLEGE MEDICAL SCHOOL & PARTNER TRUSTS (IMP)****1. INTRODUCTION**

At North West London 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 e.g. academic medicine. 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 healthcare organisation.

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>.

Programme Reference	Programme Theme	Based at
1718/IMP/01	Academic Paediatrics	St Mary's Hospital
1718/IMP/02	Academic Paediatrics	St Mary's Hospital
1718/IMP/03	Academic Paediatrics	St Mary's Hospital
1718/IMP/04	Academic Medicine	Hammersmith Hospital
1718/IMP/05	Academic Medicine	Hammersmith Hospital
1718/IMP/06	Academic Medicine	Hammersmith Hospital
1718/IMP/07	Academic Metabolic Medicine	Hammersmith Hospital
1718/IMP/08	Academic Metabolic Medicine	Hammersmith Hospital
1718/IMP/09	Academic Metabolic Medicine	Hammersmith Hospital
1718/IMP/10	Academic Primary Care	Charing Cross Hospital
1718/IMP/11	Academic Primary Care	Charing Cross Hospital
1718/IMP/12	Academic Primary Care	Charing Cross Hospital
1718/IMP/13	Academic Primary Care	Charing Cross Hospital
1718/IMP/14	Academic Primary Care	Charing Cross Hospital
1718/IMP/15	Academic Primary Care	Charing Cross Hospital
1718/IMP/16	Academic Obstetrics & gynaecology	Queen Charlotte's Hospital
1718/IMP/17	Academic Obstetrics & gynaecology	Queen Charlotte's Hospital
1718/IMP/18	Academic Obstetrics & gynaecology	Queen Charlotte's Hospital

1718/IMP/19	Academic Anaesthetics	Chelsea & Westminster Hospital
1718/IMP/20	Academic Anaesthetics	Chelsea & Westminster Hospital
1718/IMP/21	Academic Anaesthetics	Chelsea & Westminster Hospital
1718/IMP/22	Academic Vascular Surgery	Charing Cross Hospital
1718/IMP/23	Academic Vascular Surgery	Charing Cross Hospital
1718/IMP/24	Academic Vascular Surgery	Charing Cross Hospital
1718/IMP/25	Academic General & GI Surgery	St Mary's Hospital
1718/IMP/26	Academic General & GI Surgery	St Mary's Hospital
1718/IMP/27	Academic General & GI Surgery	St Mary's Hospital

North West London offers 27 jobs in the academic programme for 2017. 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 'buddied' 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, Obstetrics & Gynaecology, 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 on 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 e.g. academic medicine. 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 healthcare organisation.

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: 1718/IMP/01

Reference: 1718/IMP/02

Reference: 1718/IMP/03

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

<i>Type of programme</i>	
This is a research post in Paediatrics based at St Mary's Hospital.	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Imperial College Healthcare NHS Trust	St Mary's Hospital
<i>Brief outline of department</i>	

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.

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: 1718/IMP/04

Reference: 1718/IMP/05

Reference: 1718/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/> 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. Dr Channa Jayasena 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.

Dr Channa Jayasena 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:

Dr Channa Jayasena
 Consultant Endocrinologist and *Clinical Senior Lecturer in Endocrinology*
c.jayasena@imperial.ac.uk

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

Reference: 1718/IMP/07

Reference: 1718/IMP/08

Reference: 1718/IMP/09

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

Separate IPDs for clinical placements are available on foundation school website

<i>Type of programme</i>	
<p>The AF2 will have the opportunity to spend four months doing cutting edge research in the Department of Investigative Medicine at Hammersmith Hospital.</p>	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Imperial College Healthcare NHS Trust	Hammersmith Hospital
<i>Brief outline of department</i>	
<p>The Department of Investigative Medicine has an outstanding, world-class record for research running the whole gamut from bench to bedside.</p> <p>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 main research themes in the department, which interlock and reinforce each other include:</p> <ul style="list-style-type: none"> • Understanding the physiology of metabolic regulation, appetite control and reproduction in man. • Investigating the pathophysiology of diabetes, obesity and infertility. • Exploring the mechanisms of bariatric surgery, the most successful treatment so far for diabetes and obesity. • Developing new technologies for measuring hormones. • Translating the insights gained from such understanding into new treatments for diabetes, obesity and infertility. <p>Examples of research breakthroughs from the Department include:</p> <ul style="list-style-type: none"> • The first human infusions of a number of novel peptide hormones in man including ghrelin (Wren et al. JCEM 2001), peptide YY (PYY) (Batterham et al. Nature 2002), oxyntomodulin (Cohen et al. JCEM 2003), kisspeptin (Dhillon et al. JCEM 2005, 2007, 2009). • The demonstration that glucagon-like peptide-1 (GLP-1) was a feasible treatment for patients with type 2 diabetes (Todd Clin Sci 1998) and that GLP-1 is capable of reducing appetite (Turton Nature 1996). • Showing that combination hormone infusions of PYY and GLP-1 (Neary 2005; De Silva Cell Metab 2011) and GLP-1 plus glucagon (Tan Diabetes 2013; Cegla Diabetes 2014; Salem Diabetes Obes Metab 2015) improve the desired effects of appetite suppression, increased energy expenditure and • Capitalising on this fundamental work to develop analogues of PYY, pancreatic polypeptide, GLP-1 and glucagon as new treatments for diabetes and obesity (Tan Brit J Pharmacol 2011). • The first clinical trials of kisspeptin as a treatment for infertility (Jayasena J Clin Invest 2014; Abbara JCEM 2015). 	

The Department's research in the last year has been featured in the media internationally on the BBC News website, BBC Horizon, The Guardian, ITV Tonight, BBC Persian World Service.

The Department is funded by numerous grants including programme and project grants from the Medical Research Council (MRC), National Institute for Health Research (NIHR) and the Wellcome Trust. The department has a very good record of training junior doctors; currently there are 8 Wellcome Trust, MRC, NIHR Clinical Training Fellows in the laboratory.

Alumni from the Department have gone on to work and lead in research groups internationally.

Further information can be found on the departmental website: <https://www.imperial.ac.uk/departments-of-medicine/research/diabetes-endocrinology-metabolism/endocrinology-and-investigative-medicine/>

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 AF2 will gain the following specific skills:

- an understanding of metabolic medicine.
- experience in conducting basic and clinical research.
- laboratory experience and skills including hormone assays and cutting-edge molecular biology.

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. Whilst a publication cannot be guaranteed for any research placement our previous academic F2s have a good track record of securing authorship on a publication from their 4 month research placement (e.g. Shah JCEM 2016; Calley Hum Reprod 2015; Sarang Sci Rep 2015; Sridharan J Clin Invest 2014; Hopkins Lancet 2010).

The research will be supervised by Professor Waljit Dhillon (w.dhillon@imperial.ac.uk), Professor Steve Bloom (s.bloom@imperial.ac.uk) and Professor Tricia Tan (t.tan@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: 1718/IMP/10
- Reference: 1718/IMP/11
- Reference: 1718/IMP/12
- Reference: 1718/IMP/13
- Reference: 1718/IMP/14
- Reference: 1718/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:

Imperial College Healthcare NHS Trust

Academic placement based at:

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/> 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/>

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

Programme 16-18 – Academic Obstetrics & Gynaecology – based at Queen Charlotte’s Hospital

Reference: 1718/IMP/16

Reference: 1718/IMP/17

Reference: 1718/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 placement in Obstetrics & Gynaecology

Employing trust:

The North West London Hospitals NHS Trust

Academic placement based at:

Queen Charlotte’s Hospital

Brief outline of department

Academic Clinical Obstetrics and Gynaecology at Imperial is closely linked to Imperial Academic Health Sciences Centre and NIHR Biomedical Research Centre, and the Institute of Reproductive & Developmental Biology (IRDB), one of the largest stand-alone research facilities in O&G in Europe.

There is academic expertise in a range of clinical areas linked to Obstetrics and Gynaecology.

Gynecological oncology (Dr Mara Kyrgiou and Dr Sadaf Maghami)
Effect of treatment of cancer on reproductive performance (Dr Mara Kyrgiou)
Miscarriage and early pregnancy (Prof Tom Bourne, Prof Lesley Regan, Prof Phillip Bennett).
Ovarian Function and Polycystic Ovary Syndrome (Prof Steven Franks)
Cardiovascular adaptation, placentation, fetal growth and pre-eclampsia (Dr Christoph Lees)
Prematurity and Parturition (Prof Phillip Bennett, Dr Vasso Terzidou, Dr David Macintyre)

In addition there are more basic science oriented programs including:

Stem Cell Biology (Dr Veronique Azura, Dr Wei Cui)

G-protein and Tyrosine Kinase Coupled Receptor Biology (Dr Aylin Hanyaloglu, Dr Nick Dibb)

Systems Medicine, Microbiome and Metabolome (Dr David MacIntyre, Prof Phillip Bennett)

Recent major new initiatives include the role of the microbiome in reproductive health, and integration of large scale biological data such as transcriptomics, genomics, metabonomics and miromics with clinical at metadata. We became both a Global Alliance Against Stillbirth and Prematurity (GAPPS) Research Centre and a 'Tommys' National Miscarriage Research Centre in 2016.

Recent O&G research success include criteria for miscarriage diagnosis, (NEJM 2013, BMJ 2015 Bourne), improved surveillance for IUGR (Lancet 2015 Lees), a paradigm shift in understanding miscarriage (Nat Med 2013 Brosens, Regan), miRNA markers to predict preterm birth (2015 Terzidou Bennett), a link between vaginal microbiome, preterm birth and cervical cerclage (Sci Trans Med 2016, MacIntyre Bennett), all leading to international changes to practice.

Structure of academic project/what expected

The AF2 year will contain a 4 month research block in Academic Obstetrics and Gynaecology based at Queen Charlottes Hospital and the Institute of Reproductive & Developmental Biology, Hammersmith Campus, Imperial College Healthcare NHS Trust. Trainees will be under the overall supervision of Professor Phillip Bennett, Director of IRDB. 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 Obstetrics and Gynaecology.

The Academic F2 may select a project from any of the areas of research activity listed above. Depending upon the nature of the project there will be close 'clinic-side' or 'bench-side' supervision from an appropriate clinical research fellow or scientist together with weekly meetings with the Principal Investigator. If desired, the Academic F2 can be allocated to an Academic Clinical Lecturer, Fellow, or Specialist Registrar mentor during their academic placement.

There is access to a wide range of teaching and other learning opportunities within the department. 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. Doctors in this academic placement should be successful in achieving journal publications and published abstracts, and present work in regional and national meetings. The post will be an outstanding introduction and stepping stone into academic Obstetrics and Gynaecology,

Clinical commitments during academic placement

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

Departmental academic teaching programme (if applicable)

The department has a comprehensive program of teaching and seminars which the post holder will be encouraged to take part in.

Academic Lead:

Prof. Phillip Bennett
p.bennett@imperial.ac.uk

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

Reference: 1718/IMP/19

Reference: 1718/IMP/20

Reference: 1718/IMP/21

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 placement in Academic Anaesthetics.

Employing trust:

Chelsea and Westminster Hospital NHS
 Foundation Trust

Academic placement based at:

Chelsea & Westminster Hospital

Brief outline of department

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.

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>

Structure of academic project/what expected

The AF2 year will include four months of A&E and four months of Academic Anaesthetics at Chelsea & 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.

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.

Clinical commitments during academic placement

There is no fixed clinical commitment during the Academic placement. However there is the opportunity to develop clinical skills if desired.

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

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

Reference: 1718/IMP/22

Reference: 1718/IMP/23

Reference: 1718/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&_afCtrl-state=usx90ksw9_3&_afRedirect=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
a.h.davies@imperial.ac.uk

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

Reference: 1718/IMP/25

Reference: 1718/IMP/26

Reference: 1718/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.

Employing trust:

Imperial College Healthcare NHS Trust

Academic placement based at:

St Mary’s Hospital

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 Daniel Leff, 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 Daniel Leff
Consultant Surgeon
Daniel.Leff@imperial.nhs.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.

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.

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.

2-YEAR ACADEMIC FOUNDATION PROGRAMMES AT B3 KING'S COLLEGE LONDON SCHOOL OF MEDICINE (KCL)

1. INTRODUCTION

There are 19 places comprising different specialty-based academic programmes.

Successful applicants are recruited to a specific 4 month academic F2 post e.g. 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 healthcare organisation.

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>.

Programme Reference	Programme Theme	Based at
1718/KCL/01	Paediatrics	King's College Hospital
1718/KCL/02	Diabetes	King's College Hospital
1718/KCL/03	Hepatology	King's College Hospital
1718/KCL/04	Cardiovascular	King's College Hospital
1718/KCL/05	Haematology	King's College Hospital
1718/KCL/06	Clinical Neurosciences	King's College Hospital
1718/KCL/07	Imaging	Guy's & St Thomas' Hospitals
1718/KCL/08	Rheumatology	Guy's & St Thomas' Hospitals
1718/KCL/09	Obstetrics	Guy's & St Thomas' Hospitals
1718/KCL/10	Allergy & Respiratory Medicine	Guy's & St Thomas' Hospitals
1718/KCL/11	Clinical Genetics	Guy's & St Thomas' Hospitals
1718/KCL/12	Medical Education	Guy's & St Thomas' Hospitals
1718/KCL/13	Infectious Diseases	Guy's & St Thomas' Hospitals
1718/KCL/14	Oncology	Guy's & St Thomas' Hospitals
1718/KCL/15	Surgery	Guy's & St Thomas' Hospitals
1718/KCL/16	Cardiovascular Medicine	Guy's & St Thomas' Hospitals
1718/KCL/17	Nephrology	Guy's & St Thomas' Hospitals
1718/KCL/18	Psychological Medicine and Psychiatry	King's College Hospital/ Guy's & St Thomas' Hospital/SLAM
1718/KCL/19	Neurology	King's College Hospital

Each of the 19 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.

Trainees are required to attend monthly academic training sessions which include interactive training across a range of generic research methodology areas and a keynote lecture.

The topics for the generic training build on each other through the two year programme. All trainees attend a full Good Clinical Practice training session during the programme.

3. PLACEMENTS

Successful applicants are recruited to a specific 4 month academic F2 post e.g. 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 healthcare organisation.

Programme 1 – Paediatrics – based at King’s College Hospital

Reference: 1718/KCL/01

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

Separate IPDs for clinical placements are available on foundation school websites

<i>Type of programme</i>	
The research placement will be based within the Lung Biology research group (Paediatrics) in the Division of Asthma, Allergy and Lung Biology.	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
King's College Hospital NHS Foundation Trust	King's College Hospital
<i>Brief outline of department</i>	
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.	
<i>Structure of academic project/what expected</i>	
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.	
<i>Clinical commitments during academic placement</i>	
None during the four months of the academic programme.	

Departmental academic teaching programme (if applicable)

Weekly journal club, grand round and research meeting.

Academic Lead:

Professor A Greenough
Anne.greenough@kcl.ac.uk

Programme 2 – Diabetes – based at King’s College Hospital

Reference: 1718/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 and novel treatments for type 2 diabetes (Profs Jones and Persaud, Drs Choudhary and Huang) and the experimental medicine group at Denmark Hill 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 (Prof Amiel, Dr Choudhary) 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 (Dr Choudhary). New programmes include the investigation of the mechanisms by which bariatric surgery improves metabolic control (Prof Rubino, Dr Hopkins); and research into the prevention and management of diabetes in pregnancy (Dr Hunt, Prof Forbes). We use laboratory research, insulin clamping, cognitive testing, neuroimaging and clinical trials in these investigations.

We also have an award-winning programme in mental health in diabetes (Prof Ismail), 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 for ACFs and Academic F2 trainees. Previous projects 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; investigated social drift in people with a new diagnosis of diabetes and examined attitudes to awareness of hypoglycaemia in adults with type 1 diabetes. For F2s, projects are designed during the first four months the attachment and carried out in four months of protected research time from December to March, with some time during the final clinical attachment to consolidate the data and produce reports and papers. ACFs have protected time for research programmed into their rotations. Projects should be chosen to support future fellowship applications. Supervision and training is provided throughout with the opportunity to present research findings at national and international meetings.

Clinical commitments during academic placement

There are no fixed clinical commitments during the dedicated research attachments. During clinical training periods, ACFs rotate through the training posts allocated to them and the academic F2s will spend an initial 4 month clinical placement with the clinical firm delivering diabetes and endocrinology with internal medicine based on the relevant ward at King's College Hospital; with a final four months in the Emergency Department of the hospital but the research months will be clear of timetabled clinical work.

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: 1718/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 immunomonitoring and development of novel immunosuppressive strategies in liver transplantation, immunopathogenesis of autoimmune liver diseases and 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 morning 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

Professor Alberto Sanchez Fueyo
Head of Liver Sciences
sanchez_fueyo@kcl.ac.uk

Programme 4 – Cardiovascular – based at King’s College Hospital

Reference: 1718/KCL/04

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

Separate IPDs for clinical placements are available on foundation school websites

<i>Type of programme</i>	
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.	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
King's College Hospital NHS Foundation Trust	King's College Hospital
<i>Brief outline of department</i>	
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). 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.	
<i>Structure of academic project/what expected</i>	
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.	
<i>Clinical commitments during academic placement</i>	
No formal clinical commitments but attendance at clinical educational seminars is encouraged.	
<i>Departmental academic teaching programme (if applicable)</i>	
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

Programme 5 – Haematology – based at King's College London

Reference: 1718/KCL/05

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

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); haemato-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-specialities, 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 6 – Clinical Neuroscience – based at King’s College Hospital

Reference: 1718/KCL/06

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

Separate IPDs for clinical placements are available on foundation school websites

<i>Type of programme</i>	
Research	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
King's College Hospital NHS Foundation Trust	King's College Hospital
<i>Brief outline of department</i>	
<p>The Department of Basic and Clinical Neuroscience at the Maurice Wohl Clinical Neuroscience Institute, King’s College London, includes internationally recognised clinician scientist leaders in epilepsy, movement disorders, brain injury, demyelinating disease and neurodegeneration, including Alzheimer’s disease and motor neuron disease (amyotrophic lateral sclerosis). Past projects include next generation sequencing projects in motor neuron disease, an RNA expression study in Alzheimer's disease, a study of pain in neurodegenerative diseases, and follow-up genetic studies of a genome-wide association study in Parkinson's Plus Syndromes.</p>	
<i>Structure of academic project/what expected</i>	
<p>During the research attachment, trainees will be able to choose a supervisor from principal investigators (PIs) in the Maurice Wohl Clinical Neuroscience Institute.</p>	

Areas of activity include Mendelian and complex genetics, molecular cell biology, cellular electrophysiology, neuroimaging, protein chemistry and proteomics, and bioinformatics in relation to neurodegenerative disorders (dementia, Parkinson's disease, motor neuron disorders). During the academic rotation, trainees are encouraged to attend research seminars and other activities organised by the Centre for Neurodegeneration Research, as well as the Clinical Grand Round mentioned above. A teaching component is also available. A list of principal investigators with brief outlines of their areas of research and likely projects is available at the start of the academic year. Trainees are encouraged to make contact with a range of PIs so that they can select a PI and project at least 3 months prior to starting the research rotation.

The associated F2 clinical attachments will be in Neurology (King's College Hospital is the largest regional neuroscience centre in the country) and A&E.

Clinical commitments during academic placement

The trainee is expected to attend the Neurology Grand Round, and to present a weekly seminar to the Clinical Neurosciences MSc students. Teaching on the MSc is an important component of the post.

Departmental academic teaching programme (if applicable)

There is a programme of research presentations from the department, a programme of visiting lectures, and weekly journal clubs and seminars in various research topics.

Academic Lead:

Ammar Al-Chalabi
 Professor of Neurology and Complex Disease Genetics
ammar.al-chalabi@kcl.ac.uk

Programme 7 – Imaging – based at St Thomas' Hospital

Reference: 1718/KCL/07

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 an imaging clinical academic career.

Employing trust:

Guy's and St Thomas' NHS Foundation Trust

Academic placement based at:

Division of Imaging Sciences and Biomedical Engineering, King's College London St Thomas's hospital

Brief outline of department

The Division of Imaging Sciences and Biomedical Engineering has a focus on translational work with scientists in biomedical engineering, imaging chemistry and biology developing fundamental technologies that are refined and translated into clinical applications by clinical academics. There is a strong focus in cardiovascular disease, cancer and neuroscience and our clinical and research activity occurs at St Thomas' hospital. Within the Division 70% of the academic team are engineers or physical scientists who work closely with clinicians and biologists focusing on disease of worldwide significance. The Division hosts a number of Centres including Wellcome/EPSRC Medical Engineering Centre of Research Excellence and the Imaging theme of our recently renewed NIHR Biomedical Research Centre. Current research strengths relevant to this post include computational modelling (development of models which can give us insights into mechanisms of disease), Image guided interventions (including new methodologies such as MRI guidance) and MRI, PET and ultrasound research (particularly to better the physiology and pathology of disease).

Structure of academic project/what expected

A 4 month full-time attachment based within the Imaging and Biomedical Engineering Division (with state-of-the-art research facilities including dedicated research scanners, laboratories and high performance computing facilities). Projects are agreed between the trainee and educational supervisor at the beginning of the F2 year. Research areas include Cardiovascular imaging (MRI, CT) and biophysical computational modelling, Cancer imaging (PET, MRI combined PET/MRI), bio-statistical and machine learning methodologies and neuroscience (MRI including 7T and PET) including neuro-receptor modelling. 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 rotations 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 seminar programme in Imaging.

Academic Lead:

Professor Reza Razavi
 Director of Wellcome Trust/EPSRC Centre in Medical Engineering
 Head of Division of Imaging Sciences and Biomedical Engineering
reza.razavi@kcl.ac.uk

Programme 8 – Rheumatology – based at Guy’s and St Thomas’ Hospital

Reference: 1718/KCL/08

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

Separate IPDs for clinical placements are available on foundation school websites

<i>Type of programme</i>	
Research	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Guy’s and St Thomas’ NHS Foundation Trust	Guy’s Campus, KCL
<i>Brief outline of department</i>	
<p>The Academic Department of Rheumatology is led by Professor Andrew Cope. The department has a long track record in basic laboratory research with an emphasis on the immunobiology of rheumatic diseases. Current research focuses on pathways of T cell activation and differentiation, functional genomic studies of genetic variants that contribute to disease, and pathways of inflammation. This programme is undertaken in the Centre for Inflammation Biology and Cancer Immunology (CIBCI). On the King’s College Hospital campus the focus is on clinical trials, health outcomes and epidemiology. The department hosts the Arthritis Research UK funded Experimental Arthritis Treatment Centre, and is currently leading the first ever multi-centre RA prevention study. It also runs one of only three MSc in Rheumatology in the UK.</p>	
<i>Structure of academic project/what expected</i>	
<p>Previous academic foundation trainees have been offered a variety of research projects depending on their own specific interests. Previous trainees have undertaken clinical projects (eg imaging, clinical studies), data centred projects (eg analysis of large datasets) or laboratory based projects (eg mouse models, in vitro cellular immunology, high resolution imaging or biochemistry). During their attachment trainees will acquire Good Clinical Practice certification and acquire core skills required for completing clinical trial assessments. Depending on the choice of research group, trainees may gain skills cellular and molecular immunology, cell culture and flow cytometry, as well as an understanding of the approach to analysis of large clinical and trial datasets. Trainees will be encouraged to present their work at weekly laboratory meetings.</p>	
<i>Clinical commitments during academic placement</i>	
<p>Academic Foundation trainees have the option of full time laboratory research, or if the research project dictates, the option of running a specialist clinic eg inflammatory arthritis, remission, imaging clinic.</p>	
<i>Departmental academic teaching programme (if applicable)</i>	
<p>Weekly CIBCI Work in Progress (WIP) meeting; weekly Divisional Research Under Construction (RUC) meeting; weekly journal club, weekly laboratory research meeting; weekly postgraduate clinical department meeting (optional).</p>	

Academic Lead:

Professor Andrew P. Cope
andrew.cope@kcl.ac.uk

Programme 9 – Obstetrics – based at Guy’s and St Thomas’ Hospital

Reference: 1718/KCL/09

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

Separate IPDs for clinical placements are available on foundation school websites

<i>Type of programme</i>	
Research	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Guy’s and St Thomas’ Hospital NHS Foundation Trust	St Thomas’ Hospital
<i>Brief outline of department</i>	
<p>The Women’s Health Academic Centre at the King’s Health Partners Academic Health Sciences Centre, led by Professor Lucilla Poston (Head of King’s College London’s Division of Women’s Health), is one of the largest academic groupings in women’s health in Europe. There is strong representation throughout the translational research pipeline, from basic science, through clinical trials through to implementation research. The research groups include Preterm and Term Birth, Maternal Metabolic Disorders, Reproductive Medicine, Developmental & Reproductive Biology, Global Health, Maternal Hypertension, Women’s Mental Health, Maternal Health Policy, Systems And Implementation. The Women’s Health Academic Centre, together with colleagues in Paediatrics, has recently been recognised as a new theme in the KCL/Guy’s and St Thomas’ NHS Trust Biomedical Research Centre’s successful renewal, commencing 2017. The KCL Division of Women’s Health holds an Athena Swan Silver Award and is known as a thriving and energetic multidisciplinary academic community.</p>	
<i>Structure of academic project/what expected</i>	
<p>Prior to starting the academic placement, the academic lead will work with the trainee to identify a group and supervisor that fits their research interests. The breadth of the Division’s research ensures that placements varying from basic science laboratory projects through to translational clinical research can be undertaken. The trainee will be adopted into one of the research groups and develop a well-defined project with the intention of completion and write-up within the placement to submit for publication, together with presentation at a regional or national meeting. Previous AFY trainees have undertaken exploratory biomarker analyses of biobanked samples to address ancillary research questions, secondary analyses of datasets, and/or undertaken systematic reviews of the literature. Teaching opportunities are available if the trainee wishes to gain experience.</p>	
<i>Clinical commitments during academic placement</i>	

The trainee will be offered the opportunity to attend one of the research clinics relevant to their project (maternal hypertension, preterm birth or obstetric medicine) as appropriate.

Departmental academic teaching programme (if applicable)

Weekly research group meetings, monthly seminars, monthly journal clubs.

Academic Lead:

Professor Lucy Chappell
lucy.chappell@kcl.ac.uk

Programme 10 – Allergy and Respiratory Medicine – based at Guy’s and St Thomas’ Hospitals

Reference: 1718/KCL/10

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:

Guy's and St Thomas' Hospitals

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.

Academic Lead:

Professor George Santis
george.santis@kcl.ac.uk

Programme 11 – Clinical Genetics – based at Guy’s and St Thomas’ Hospitals

Reference: 1718/KCL/11

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 clinical genetics academic placement programme is research led. The placement is designed to provide training and insight into either discovery, translational or clinical projects around genetic diseases and disorders.

Employing trust:

Guy's and St Thomas' NHS Foundation Trust

Academic placement based at:

Guy's and St Thomas' Hospitals

Brief outline of division

Genetics and Molecular Medicine, in the faculty of Life Sciences and Medicine, is a vibrant and ambitious division with an excellent reputation in research, teaching and clinical genetics and the academic structure is comprised of four departments: The Medical & Molecular Genetics department focuses its research expertise around understanding the genetic basis of human disease in the areas of rare genetic disease, common complex disorders, statistical genetics, epigenetics, cancer genetics, immune genetics, population genetics and genomics and bioinformatics. The Twin Research Unit is the home of TwinsUK, one of the most comprehensively genotyped and phenotyped cohorts in the world, conducting a wide variety of common complex traits research. St John's Institute of Dermatology is a world-leading centre for the study, teaching and treatment of severe skin diseases. Building upon excellent clinical resources, it has a strong portfolio in translational research across cancer, inflammation and genetic skin diseases with a focus on

biomarker discovery and experimental medicine. The King's Centre for Stem Cells and Regenerative Medicine has state of the art research facilities, enabling cutting edge studies of cellular interactions between skin cells critical for developing effective therapies in the clinic.

For further information see our website:

www.kcl.ac.uk/lsm/research/divisions/gmm/index.aspx

Structure of academic project/what expected

The academic project is developed along with the academic supervisor and their team of researchers. This project can take several forms depending on the interests of the candidate and the availability of supervisors. With the breadth of research interests currently available, this can take the form of anything from a discovery science experimental study alongside bench researchers or a bioinformatics-based 'big' data analysis project which is increasingly relevant to personalised medicine efforts, to a more clinical centred project with translational or clinical research goals. This flexibility is afforded by the breadth of our faculty but the choice should be driven by the motivation and interests of the individual candidate.

Clinical commitments during academic placement

There are no formal clinical commitments during the academic placement. However, individuals are welcome to and encouraged to engage with the clinical geneticists and indeed may involve themselves in projects which have a clear clinical facet to them during their placement.

Departmental academic teaching programme (if applicable)

N/A

Academic Lead:

Professor Rebecca Oakey
rebecca.oakey@kcl.ac.uk

Programme 12 – Medical Education – based at King's College London, Guy's Campus

Reference: 1718/KCL/12

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 Academic Foundation Programme in Medical Education offers practical involvement in medical education and educational research.

Employing trust:

Guy's and St Thomas' NHS Foundation Trust

Academic placement based at:

Guy's and St Thomas' Hospitals

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

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

Reference: 1718/KCL/13

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

<i>Type of programme</i>	
Research	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Guy's and St Thomas' NHS Foundation Trust	Guy's and St Thomas' Hospitals
<i>Brief outline of department</i>	
<p>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.</p> <p>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.</p> <p>Previous trainees have worked on mechanisms of cell-mediated control of HIV infection, HIV budding and the determinants of MRSA transmission.</p> <p>http://www.kcl.ac.uk/lsm/research/divisions/diid/index.aspx</p>	
<i>Structure of academic project/what's expected</i>	
<p>Projects in the Department involve full-time research. It is likely that this will involve extensive "wet-lab" experimentation, often handling 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.</p>	
<i>Clinical commitments during academic placement</i>	
None	
<i>Departmental academic teaching programme (if applicable)</i>	

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

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

Reference: 1718/KCL/14

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:

Guy's and St Thomas' Hospitals

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: 1718/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

Employing trust:

Guy's and St Thomas' NHS Foundation Trust

Academic placement based at:

Guy's and St Thomas' Hospitals

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 two 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, Wellcome, BBSRC, BHF and the Royal College of Surgeons.

Structure of academic project/what expected

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.

Clinical projects are facilitated by the wealth of patient data collected for each of the aforementioned vascular pathologies, particularly patients undergoing treatment of aortic pathologies.

The majority of the academic projects undertaken to date by Academic Foundation Trainees placed in the Department have been presented at a national/international meeting and subsequently published.

Clinical commitments during academic placement

A very limited number of weekend and evening shift on call sessions during the academic placement.

Departmental academic teaching programme (if applicable)

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.

Academic Lead:

Mr Bijan Modarai PhD FRCS
Reader in Vascular Surgery
Consultant Vascular Surgeon
bijan.modarai@kcl.ac.uk

Programme 16 – Cardiovascular Medicine – based at Guy’s and St Thomas’ Hospitals

Reference: 1718/KCL/16

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

<i>Type of programme</i>	
Research	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Guy's and St Thomas' NHS Foundation Trust	Guy's and St Thomas' Hospitals
<i>Brief outline of department</i>	
<p>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, and Rene Botnar.</p>	
<i>Structure of academic project/what expected</i>	
<p>Various projects are available and can be tailored to career ambitions and academic interests. Generally, the projects involve the examination of invasive physiological flow and pressure information and their comparison to non-invasive indices obtained by MRI. The purpose is to validate new non-invasive techniques to measure cardiac function and predict clinical outcome. The cardiovascular diseases on which we focus are myocardial ischaemia, heart failure and aortic stenosis.</p>	
<i>Clinical commitments during academic placement</i>	
<p>This is a protected period of research and there are no clinical commitments during the working day. There may be out-of-hours on-call responsibilities to maintain banding.</p>	
<i>Departmental academic teaching programme (if applicable)</i>	
<p>The Cardiovascular Division hosts a comprehensive range of training programmes for clinical and non-clinical scientists. We host a prestigious BHF 4-year programme in Cardiovascular Biology and through the BHF Centre run a novel inter-disciplinary</p>	

PhD training programme to attract engineers, mathematicians and biophysicists into the cardiovascular field. We also have standard 3-year PhD and MD(Res) studentships/fellowships for non-clinicians and clinicians. These are funded by a range of sources including Research Councils, industry and charities. There are currently 79 registered PhD/MD students. The appointee will be able to access these training resources and educational programmes.

Academic Lead:

Professor M Marber
Professor of Cardiology, KCL
Mike.marber@kcl.ac.uk

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

Reference: 1718/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

Employing trust:

Guy's and St Thomas' NHS Foundation Trust

Academic placement based at:

Guy's and St Thomas' Hospitals

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>.

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

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

Reference: 1718/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>. 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

Programme 19 – Neurology – based at King’s College Hospital

Code: 1718/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

Brief outline of department including reference to department web site

The Department of Basic and Clinical Neuroscience at the Maurice Wohl Clinical Neuroscience Institute, King's College London, includes internationally recognised clinician scientist leaders in epilepsy, movement disorders, brain injury, demyelinating disease and neurodegeneration, including Alzheimer's disease and motor neuron disease (amyotrophic lateral sclerosis). Past projects include next generation sequencing projects in motor neuron disease, an RNA expression study in Alzheimer's disease, a study of pain in neurodegenerative diseases, and follow-up genetic studies of a genome-wide association study in Parkinson's Plus Syndromes.

Structure of academic project/what expected

During the research attachment, trainees will be able to choose a supervisor from principal investigators (PIs) in the Maurice Wohl Clinical Neuroscience Institute. Areas of activity include Mendelian and complex genetics, molecular cell biology, cellular electrophysiology, neuroimaging, protein chemistry and proteomics, and bioinformatics in relation to neurodegenerative disorders (dementia, Parkinson's disease, motor neuron disorders). During the academic rotation, trainees are encouraged to attend research seminars and other activities organised by the Centre for Neurodegeneration Research, as well as the Clinical Grand Round mentioned above. A teaching component is also available. A list of principal investigators with brief outlines of their areas of research and likely projects is

available at the start of the academic year. Trainees are encouraged to make contact with a range of PIs so that they can select a PI and project at least 3 months prior to starting the research rotation.

The associated F2 clinical attachments will be Psychiatry and A&E.

Clinical commitments during academic placement

The trainee is expected to attend the Neurology Grand Round, and to present a weekly seminar to the Clinical Neurosciences MSc students. Teaching on the MSc is an important component of the post.

Departmental academic teaching programme (if applicable)

There is a programme of research presentations from the department, a programme of visiting lectures, and weekly journal clubs and seminars in various research topics.

Academic Lead:

Professor A Al-Chalabi
 Professor of Neurology and Complex Disease Genetics
ammar.al-chalabi@kcl.ac.uk

4. THE MEDICAL SCHOOL AND PARTNER TRUSTS

King's College London/GKT School of Medical Education

The Faculty of Life Sciences & Medicine is one of the largest and most successful centres for research and education in the UK. The Faculty was created in September 2014 as a result of the merger of elements of the School of Biomedical Sciences with the School of Medicine. The merger brings together basic, translational and clinical scientists to provide new cross-divisional research collaborations while optimising the deployment of teaching expertise across the Faculty.

The Faculty has unparalleled expertise in basic, translational and clinical research. The Faculty is ranked 8th in the 2015-16 THE subject ranking for Clinical, Pre-Clinical and Health. In the REF 2014 91.8% of the Faculty submission was rated 4* (world leading) or 3* (internationally excellent). The Faculty returned within seven units of assessment including Clinical Medicine in which the Faculty ranked first in the UK in terms of the proportion of our overall submission that was ranked 4* or 3*.

King's is the largest centre for the education of doctors, dentists and other healthcare professionals in Europe. Within the Faculty of Life Sciences & Medicine, the King's College London GKT School of Medical Education is responsible for the education and training of medical students. Headed by Dean of Medical Education, Professor Stuart Carney, the School has a thriving community of 2,200 undergraduate students.

The Faculty is located at four central London campuses - Guy's Hospital Campus at London Bridge, St Thomas' Hospital and Franklin Wilkins Building at Waterloo; King's College Hospital in South London. Our locations reflect the Faculty's close alignment to our NHS partners.

King's Health Partners

King's Health Partners is one of the UK's six Academic Health Sciences Centres. It brings together a world leading research led university (King's College London) and three successful NHS Foundation Trusts (Guy's and St Thomas', King's College Hospital and South London and Maudsley).

Our aim is to create a centre where world-class research, teaching and clinical practice are brought together for the benefit of patients. We want to make sure that the lessons from research are used more swiftly, effectively and systematically to improve healthcare services for people with physical and mental health care problems. This integrated organisation serves more than 1.5 million patients every year, has approximately 25,000 employees and has a combined annual turnover of £2 billion. For more information, visit: www.kingshealthpartners.org

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 Foundation Trust is one of the UK's largest and busiest teaching hospitals, training over 900 dentists, 750 doctors and 300 nurses every year. The Trust is recognised internationally for its work in liver disease and transplantation, neurosciences, cardiac, haemato-oncology, stroke and major trauma. On 1 October 2013, King's took over the running of the Princess Royal University Hospital in Bromley and Orpington Hospital, as well as some services at Beckenham Beacon and Queen Mary's Hospital, Sidcup. The new enlarged organisation has over 10,500 staff and provides over 1 million patient contacts a year. 9,000 babies are delivered by our hospitals each year, and over 750 patients come to our Emergency Departments every day.

King's College Hospital NHS Foundation Trust prides itself as an investor in people and on providing a friendly and supportive climate to enable all staff to achieve their best potential.

2-YEAR ACADEMIC FOUNDATION PROGRAMMES AT**B4. QUEEN MARY UNIVERSITY OF LONDON (BARTS AND THE LONDON SCHOOL OF MEDICINE AND DENTISTRY)****1. INTRODUCTION**

There are 9 different speciality-based Academic Foundation Programmes on offer at Queen Mary University of London (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 healthcare organisation.

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>.

Programme Reference	Programme Theme	Based at
1718/QMUL/01	Academic Public Health	Barts and the Royal London Hospitals
1718/QMUL/02	Academic Public Health	Barts and the Royal London Hospitals
1718/QMUL/03	Academic Public Health	Barts and the Royal London Hospitals
1718/QMUL/04	Academic Research (Academic Clinical Pharmacology / Academic Critical Care)	Barts and the Royal London Hospitals
1718/QMUL/05	Academic Research (Academic Clinical Pharmacology / Academic Critical Care)	Barts and the Royal London Hospitals
1718/QMUL/06	Academic Research (Academic Clinical Pharmacology / Academic Critical Care)	Barts and the Royal London Hospitals
1718/QMUL/07	Academic Endocrinology / Diabetes	Barts and the Royal London Hospitals
1718/QMUL/08	Academic Endocrinology / Diabetes	Barts and the Royal London Hospitals
1718/QMUL/09	Academic Endocrinology / Diabetes	Barts and the Royal London Hospitals
1718/QMUL/10	Academic Hepatology	Barts and the Royal London Hospitals
1718/QMUL/11	Academic Hepatology	Barts and the Royal London Hospitals
1718/QMUL/12	Academic Hepatology	Barts and the Royal London Hospitals

1718/QMUL/13	Academic Medical Oncology (with Nuclear Medicine)	Barts and the Royal London Hospitals
1718/QMUL/14	Academic Medical Oncology (with Nuclear Medicine)	Barts and the Royal London Hospitals
1718/QMUL/15	Academic Medical Oncology (with Nuclear Medicine)	Barts and the Royal London Hospitals
1718/QMUL/16	Academic Neurology	Barts and the Royal London Hospitals
1718/QMUL/17	Academic Neurology	Barts and the Royal London Hospitals
1718/QMUL/18	Academic Neurology	Barts and the Royal London Hospitals
1718/QMUL/19	Academic Psychiatry	Barts and the Royal London Hospitals
1718/QMUL/20	Academic Psychiatry	Barts and the Royal London Hospitals
1718/QMUL/21	Academic Psychiatry	Barts and the Royal London Hospitals
1718/QMUL/22	Academic General Practice	Barts and the Royal London Hospitals
1718/QMUL/23	Academic General Practice	Barts and the Royal London Hospitals
1718/QMUL/24	Academic General Practice	Barts and the Royal London Hospitals
1718/QMUL/25	Academic Medical Education	Whipps Cross Hospital
1718/QMUL/26	Academic Medical Education	Whipps Cross Hospital
1718/QMUL/27	Academic Medical Education	Whipps Cross Hospital

Information can also be found at 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 healthcare organisation.

Programme 1 – Academic Public Health (with Health Informatics at Farr Institute)

Reference: 1718/QMUL/01

Reference: 1718/QMUL/02

Reference: 1718/QMUL/03

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

Separate IPDs for clinical placements are available on foundation school website

<i>Type of programme</i>	
Academic Public Health	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Barts Health NHS Trust	Mile End Hospital, Bancroft Road E1
<i>Brief outline of department</i>	
Trainees will work within Tower Hamlets CCG based at Mile End Hospital, Bancroft Road, E1 4DG	
<i>Structure of academic project/what expected</i>	
<p>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:</p> <ul style="list-style-type: none"> • 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. <p>Trainees will also be taught management skills including presenting data and evidence, handling meetings, and persuading and motivating colleagues.</p> <p>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.</p> <p>There will be an opportunity to study and research in Medical Informatics with the Director, Professor Harry Hemingway, UCL, h.hemingway@ucl.ac.uk at the Farr Institute (UCL) and the Deputy Director of LSHTM (Professor Liam Smeeth, liam.smeeth@lshtm.ac.uk).</p>	

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 UCL Partners 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: 1718/QMUL/04

Reference: 1718/QMUL/05

Reference: 1718/QMUL/06

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

Separate IPDs for clinical placements are available on foundation school website

<p><i>Type of programme</i></p> <p>Successful applicants will be able to <u>choose</u> between the following two Academic specialties depending on their interests and following discussions with Academic Programme Leads:</p> <ul style="list-style-type: none"> • Academic Clinical Pharmacology OR • Academic Critical Care 	
<p><i>Employing Trust:</i></p> <p>Barts Health NHS Trust</p>	<p><i>Academic placement based at:</i></p> <p>Barts and the Royal London Hospitals</p>
<p><i>Brief outline of department</i></p> <p><u>Academic Clinical Pharmacology</u> This post is based at the Department of Clinical Pharmacology at Barts and The London, Charterhouse Square campus, London EC1M</p> <p><u>Academic Critical Care</u> 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.</p>	
<p><i>Structure of academic project/what expected</i></p> <p><u>Academic Clinical Pharmacology</u> 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. There are multiple project opportunities in clinical trials and in pharmacoepidemiology/drug utilisation. The trainee is encouraged to plan ahead in collaboration with the academic lead so that necessary approvals are in place in good time for commencing the project.</p> <p><u>Academic Critical Care</u> 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.</p>	
<p><i>Clinical commitments during academic placement</i></p> <p><u>Academic Clinical Pharmacology</u> The trainee will attend the 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.</p> <p><u>Academic Critical Care</u> 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</p>	

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).

The Department has major input to the MBBS programme. The trainee will participate in Problem Based Learning with Year 1 or Year 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. The activities provide valuable contributions to the F2 e-portfolio as well as audit/evaluation opportunities for trainees interested in Medical Education. The trainee is encouraged to complete the QMUL Certificate in Teaching and Learning (CILT).

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

Dr Michael O'Dwyer – Academic Supervisor
Michael.ODwyer@bartshealth.nhs.uk

Programme 3 – Academic Endocrinology or Diabetes

Reference: 1718/QMUL/07

Reference: 1718/QMUL/08

Reference: 1718/QMUL/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

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:

<ul style="list-style-type: none"> • Academic Endocrinology AND/OR • Academic Diabetes 	
<p><i>Employing trust:</i></p> <p>Barts Health NHS Trust</p>	<p><i>Academic placement based at:</i></p> <p>Barts and the Royal London Hospitals</p>
<p><i>Brief outline of department</i></p> <p><u>Academic Endocrinology</u> 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 pheochromocytomas and carcinoids, and genetic endocrine disorders. www.bartsendocrinology.co.uk</p> <p><u>Academic Diabetes</u> 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.</p>	
<p><i>Structure of academic project/what expected</i></p> <p><u>Academic Endocrinology</u> www.whri.qmul.ac.uk/research/endocrinology</p> <p><u>Academic Diabetes</u> This academic F2 post provides a mixture of research and clinical experience, the balance depending on the individual needs and aspirations of the trainee.</p> <p>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.</p> <p>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.</p> <p>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</p>	

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.ukAcademic Diabetes

Dr Simon Coppack - Consultant Physician

s.w.coppack@qmul.ac.uk**Programme 4 – Academic Hepatology**

Reference: 1718/QMUL/10

Reference: 1718/QMUL/11

Reference: 1718/QMUL/12

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 Hepatology

Employing trust:

Barts Health NHS Trust

Academic placement based at:

Barts and the Royal London Hospitals

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

Programme 5 – Academic Medical Oncology (with Nuclear Medicine)

Reference: 1718/QMUL/13

Reference: 1718/QMUL/14

Reference: 1718/QMUL/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

Academic Medical Oncology (with Nuclear Medicine)

Employing trust:

Barts Health NHS Trust

Academic placement based at:

Barts and the Royal London Hospitals

Brief outline of department

Ward 5B St Bartholomews Hospital and the Centre for Molecular Oncology in Barts Cancer Institute at Charterhouse Square (www.bci.qmul.ac.uk)

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 of 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.

Structure of academic project/what expected

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.

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 John Gribben
Consultant Medical Oncology
j.gribben@qmul.ac.uk

Dr Ewa Nowosinska
Consultant Nuclear Medicine
Ewa.Nowosinska@bartshealth.nhs.uk

Programme 6 – Academic Neurology

Reference: 1718/QMUL/16

Reference: 1718/QMUL/17

Reference: 1718/QMUL/18

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

Separate IPDs for clinical placements are available on foundation school website

<i>Type of programme</i>	
Academic Neurology	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Barts Health NHS Trust	Barts and the Royal London Hospitals
<i>Brief outline of department</i>	
<p>There are 16 consultant neurologists of which 3 are based primarily at Whipps Cross Hospital and 1 at Newham.</p> <p>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.</p> <p>Sub-specialisation within the department includes epilepsy, stroke, movement disorders, headache, multiple sclerosis, neuro-rehabilitation and neuro-muscular/peripheral nerve/MND.</p>	
<i>Structure of academic project/what expected</i>	
<p>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:</p> <ul style="list-style-type: none"> • trauma sciences, • neurotrauma and neurodegenerative disorders, • neuroimmunology, • stem cells, regeneration and cancer and • genomics and cancer. <p>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.</p>	

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: 1718/QMUL/19
- Reference: 1718/QMUL/20
- Reference: 1718/QMUL/21

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 Psychiatry

Employing trust:

Barts Health NHS Trust

Academic placement based at:

Barts and the Royal London Hospitals and Charterhouse Square

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 Peter White, p.d.white@qmul.ac.uk

Programme 8 – Academic General Practice

Reference: 1718/QMUL/22

Reference: 1718/QMUL/23

Reference: 1718/QMUL/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

Academic General Practice

Employing trust:

Barts Health NHS Trust

Academic placement based at:

Barts and the Royal London Hospitals

Brief outline of department

The placement will be located at:
 Blithehale Medical Centre, 10-22 Dunbridge Street, London E2 6JA

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.

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.

Clinical commitments during academic placement

Working Day Monday – Friday 9am – 5pm

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.

The clinical opportunities will provide the trainee with the knowledge, skills and attitudes to meet the competencies of an F2 doctor.

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

Prof Robert Walton - Academic Lead
r.walton@qmul.ac.uk

Dr Simon Brownleader - GP Academic Clinical Supervisor
sbrownleader@nhs.net

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

Reference: 1718/QMUL/25

Reference: 1718/QMUL/26

Reference: 1718/QMUL/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 Larkwood 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 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 Bartholomew's 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/>

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/>

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/>

2-YEAR ACADEMIC FOUNDATION PROGRAMMES AT B5. ST GEORGE'S UNIVERSITY OF LONDON (SGUL)

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 e.g. 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 healthcare organisation.

2. DETAILS OF TRAINING PROGRAMMES

Programme Reference	Programme Theme	Based at
1718/SGUL/01	Renal Medicine	St George's Hospital
1718/SGUL/02	Renal Medicine	St George's Hospital
1718/SGUL/03	Renal Medicine	St George's Hospital
1718/SGUL/04	Vascular Surgery	St George's Hospital
1718/SGUL/05	Vascular Surgery	St George's Hospital
1718/SGUL/06	Vascular Surgery	St George's Hospital
1718/SGUL/07	GP	St George's Hospital
1718/SGUL/08	GP	St George's Hospital
1718/SGUL/09	GP	St George's Hospital
1718/SGUL/10	GP	St George's Hospital
1718/SGUL/11	GP	St George's Hospital
1718/SGUL/12	GP	St George's Hospital

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 e.g. 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 healthcare organisation.

Programmes 1-3 – Renal Medicine – based at St George’s Hospital

Reference: 1718/SGUL/01

Reference: 1718/SGUL/02

Reference: 1718/SGUL/03

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

Separate IPDs for clinical placements are available on foundation school website

<i>Type of programme</i>	
Research and/or teaching	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
St George's Healthcare NHS Trust	St. George’s Hospital
<i>Brief outline of department</i>	
<p>The Renal Service at St. George’s is provided by 7 Nephrologists, 5 Renal Transplant Surgeons and 2 dialysis access surgeons. This is a tertiary service including 130 new renal transplants annually.</p> <p>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.</p>	
<i>Structure of academic project/what expected</i>	
<p>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 or another area of interest within the renal department. Current work is focused on genetic influences on pharmacodynamics of tacrolimus involving cell culture work and flow cytometry and on the influence of renal failure on hepatic drug metabolism. 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.</p>	
<i>Clinical commitments during academic placement</i>	
No routine service commitment but there may be involvement in patient recruitment to clinical studies.	
<i>Departmental academic teaching programme (if applicable)</i>	
Weekly lab meeting Weekly Academic Meeting with opportunity to present research data	

Academic Lead:

Dr Iain MacPhee

imacphee@sgul.ac.uk**Programmes 4-6 – Vascular Surgery – based at St George’s Hospital**

Reference: 1718/SGUL/04

Reference: 1718/SGUL/05

Reference: 1718/SGUL/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

Research

Employing trust:

St George's Healthcare NHS Trust

Academic placement based at:

St. George’s Hospital

Brief outline of department

The St Georges Vascular Institute (SGVI) is a large tertiary vascular institution that integrates clinical service, research and training in an integrated Unit. SGVI has 3 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.

Structure of academic project/what expected

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 clinical outcomes & 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.

Clinical commitments during academic placement

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.

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:

Mr Peter Holt
 Reader in Vascular Surgery
Peter.Holt2@stgeorges.nhs.uk

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

- Reference: 1718/SGUL/07
- Reference: 1718/SGUL/08
- Reference: 1718/SGUL/09
- Reference: 1718/SGUL/10
- Reference: 1718/SGUL/11
- Reference: 1718/SGUL/12

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

<i>Type of programme</i>	
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.	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
St George's Healthcare NHS Trust	St. George's Hospital
<i>Brief outline of department</i>	
Examples of recent F2 research experience	
F2s (highlighted below) may design and complete small pilot studies (1,2), contribute to fieldwork on existing trials or analyse data previously collected (3). As four months is often too a short period to complete a project, this may be continued	

by subsequent F2s (3). The main aim is to learn research skills, see how interesting it can be, present at conference, and hopefully gain a publication.

1. **Sharman N, Sri T, Chow C, Pond MJ, Oakeshott P, Planche T, Sadiq ST.** [Chlamydia testing: Reaching high-risk sexually active young people in the community.](#) Int J STD AIDS 2015
2. **Mahalingam S, Seymour N, Pepper C, Tostevin P, Oakeshott P.** [Reducing inappropriate referrals to secondary care: our experiences with the ENT Emergency clinic.](#) Qual Prim Care **22**(5):251-255 2015 [Author URL](#)

Sri, T., Southgate, E, Kerry, S. R., Nightingale, C., & Oakeshott, P. (2016). Health-related quality of life and Chlamydia trachomatis infection in sexually experienced female inner-city students: a community-based cross-sectional study. *Int J STD AIDS*. doi:[10.1177/0956462416650095](https://doi.org/10.1177/0956462416650095)

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 **UCL Medical School**. NCTFS offers **21** Academic Foundation Programme (AFP) posts 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, the Royal Free Hospital (Royal Free London NHS Foundation Trust), or the 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)
- Teaching sessions aimed at developing 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 e.g. 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 healthcare organisation.

2. DETAILS OF TRAINING PROGRAMMES

Programme Reference	Programme Theme	Based at
1718/UCL/01	Medical Virology (1)	Royal Free London NHS Foundation Trust (Royal Free Hospital)
1718/UCL/02	Surgery	Royal Free London NHS Foundation Trust (Royal Free Hospital)
1718/UCL/03	Medical Virology (2)	Royal Free London NHS Foundation Trust (Royal Free Hospital)
1718/UCL/04	Rheumatology	University College London Hospitals NHS Foundation Trust
1718/UCL/05	Neurology and Neuroscience (1)	Royal Free London NHS Foundation Trust (Royal Free Hospital)
1718/UCL/06	Neurology and Neuroscience (2)	Royal Free London NHS Foundation Trust (Royal Free Hospital)
1718/UCL/07	Cellular Pathology (1)	Royal Free London NHS Foundation Trust (Royal Free Hospital)
1718/UCL/08	Medical Education	Royal Free London NHS Foundation Trust (Royal Free Hospital)

1718/UCL/09	Cellular Pathology (2)	Royal Free London NHS Foundation Trust (Royal Free Hospital)
1718/UCL/10	Nuclear Medicine (1)	Royal Free London NHS Foundation Trust (Royal Free Hospital)
1718/UCL/11	Nuclear Medicine (2)	Royal Free London NHS Foundation Trust (Royal Free Hospital)
1718/UCL/12	Radiology	Royal Free London NHS Foundation Trust (Royal Free Hospital)
1718/UCL/13	Primary Care and Population Health (1)	Whittington Health
1718/UCL/14	Primary Care and Population Health (2)	Whittington Health
1718/UCL/15	Primary Care and Population Health (3)	Whittington Health
1718/UCL/16	Hepatology	Royal Free London NHS Foundation Trust (Royal Free Hospital)
1718/UCL/17	Paediatrics	University College London Hospitals NHS Foundation Trust
1718/UCL/18	Psychiatry	Camden and Islington Foundation Trust (linked to University College London Hospitals NHS Foundation Trust)
1718/UCL/19	Women's Health	University College London Hospitals NHS Foundation Trust
1718/UCL/20	Clinical Pharmacology/Cardiovascular Medicine	University College London Hospitals NHS Foundation Trust
1718/UCL/21	Anaesthetics	University College London Hospitals NHS Foundation Trust

3. POSTS

Successful applicants are recruited to a specific 4 month academic F2 post e.g. 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 healthcare organisation.

Programmes 1 and 3 – Medical Virology – based at Royal Free London NHS Foundation Trust (Royal Free Hospital)

Reference: 1718/UCL/01

Reference: 1718/UCL/03

<i>Type of programme</i>	
Research/audit/clinical liaison	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Royal Free London NHS Foundation Trust (Royal Free Hospital)	Royal Free London NHS Foundation Trust (Royal Free Hospital)

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:

Lumley S, Patel M, Griffiths PD. The combination of specific IgM antibodies and IgG antibodies of low avidity does not always indicate primary infection with cytomegalovirus. *J Med Virol* 2014 May;86(5):834-7.

Hyams C, Mabayoje DA, Copping R, Maranao D, Patel M, Labbett W, et al. Serological cross reactivity to CMV and EBV causes problems in the diagnosis of acute hepatitis E virus infection. *J Med Virol* 2014 Mar;86(3):478-83.

Panagou E, Zakout G, Keshani J, Smith C, Irish D, Mackinnon S, Kottaridis P, Fielding A, Griffiths PD. Cytomegalovirus pre-emptive therapy after hematopoietic stem cell transplantation in the era of real-time quantitative PCR; comparison with recipients of solid organ transplants. *Transpl Infect Dis.* (2016).

Green CB, O'Riordan A, Griffiths P, Haque T. A deletion at CMV UL54 codon 524 without co-existing resistance-associated mutation at UL97 confers resistance to ganciclovir: A case report. *J Clin Virol.* (2016).

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 trainee in 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)
p.griffiths@ucl.ac.uk

Programme 2 – HPB and Liver Transplant Surgery – based at Royal Free London NHS Foundation Trust (Royal Free Hospital)

Reference: 1718/UCL/02

<i>Type of programme</i>	
Research	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Royal Free London NHS Foundation Trust (Royal Free Hospital)	Royal Free London NHS Foundation Trust (Royal Free Hospital)
<i>Brief outline of department</i>	
<p>HPB and Liver Transplant surgery is one of the lead clinical services at RFHL providing a regional HPB service and a supra-regional service in Liver Transplant Surgery.</p> <p>The HPB and Liver Transplant research group is based in the University Dept of Surgery, Hampstead Campus, UCL and have major research programmes involving:</p> <ul style="list-style-type: none"> • evidence based healthcare, • new technologies and image guidance in liver and pancreas disease. • optimisation of peri-operative care • liver tissue engineering • organ preservation and treatment of ischaemia-reperfusion injury in liver transplantation. 	
<i>Structure of academic project/what expected</i>	
<p>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.</p> <p>The trainee will be allocated a research supervisor within the academic HPB and Liver Transplant research group who will discuss the ongoing research projects and identify a specific task and objectives for the research attachment based on the trainees interests and research background.</p>	
<i>Clinical commitments during academic placement</i>	
<p>The trainee will have no specific clinical commitments but will attend the clinical meetings and depending on their interests can be involved in clinical assessment</p>	

and post-operative management of patients undergoing major HPB and Liver Transplant Surgery or can assist with selected major surgical procedures.

Departmental academic teaching programme (if applicable)

The University Department of Surgery has very active postgraduate research programmes and the trainee will have an opportunity to attend basic research training sessions and a weekly programme of invited guest lecturers.

Academic Leads:

Prof Brian Davidson
 Consultant HPB and Liver Transplant Surgeon
 Royal Free London NHS Foundation Trust
 Lead for HPB and Liver Transplant Surgery Research, Royal Free Campus, UCL
b.davidson@ucl.ac.uk

Programme 4 – Rheumatology – based at Royal Free London NHS Foundation Trust (Royal Free Hospital)

Reference: 1718/UCL/04

Type of programme

Introduction to Rheumatology research

Employing trust:

Royal Free London NHS Foundation Trust (Royal Free Hospital)

Academic placement based at:

University College London Hospitals NHS Foundation Trust

Brief outline of department

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.

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.

It is noteworthy that the current (Professor Jane Dacre) as well as a past (Professor Dame Carol Black) President of The Royal College, both from our own medical school; the Government Chief Scientific Advisor and former Head of the Wellcome

Trust, Professor Mark Walport; a former winner of Doctor of the Year, Dr John Halsey, and the knighted, co-developer of TNF alpha blockade, Professor 'Tiny' Maini are all rheumatologists.

Structure of academic project/what expected

Options exist to undertake either a laboratory based project examining mechanisms of disease and/or response to therapy or clinical data review project.

Clinical commitments during academic placement

At UCLH there will be the opportunity to attend specialist rheumatology clinics once a week.

Departmental academic teaching programme (if applicable)

Academic Lead:

Dr Richard Stratton
 Centre for Rheumatology
 Based at: Royal Free London NHS Foundation Trust (Royal Free Hospital)
 E-mail address: r.stratton@ucl.ac.uk

Programmes 5 & 6 – Neurology and Neuroscience – based at Royal Free London NHS Foundation Trust (Royal Free Hospital)

Reference: 1718/UCL/05

Reference: 1718/UCL/06

Type of programme

Clinical and research training in neurology/neuroscience

Employing trust:

Royal Free London NHS Foundation Trust (Royal Free Hospital)

Academic placement based at:

Royal Free London NHS Foundation Trust (Royal Free Hospital)

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>).

Previous projects: screening brain-derived DNA for somatic mutations in Parkinson's disease, Genetic screening of hereditary spastic paraplegia, Review of a case series of paediatric Moya-Moya disease.

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: 1718/UCL/07

Reference: 1718/UCL/09

Type of programme

Research

Employing trust:

Royal Free London NHS Foundation Trust (Royal Free Hospital)

Academic placement based at:

Royal Free London NHS Foundation Trust (Royal Free Hospital)

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: 1718/UCL/08

Type of programme

FY2 Medical Education post

Employing trust:

Royal Free London NHS Foundation Trust (Royal Free Hospital)

Academic placement based at:

Royal Free London NHS Foundation Trust (Royal Free Hospital)

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: 1718/UCL/10

Reference: 1718/UCL/11

<i>Type of programme</i>	
Research	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
Royal Free London NHS Foundation Trust (Royal Free Hospital)	Royal Free London NHS Foundation Trust (Royal Free Hospital)
<i>Brief outline of department</i>	
<p>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.</p> <p>Previous academic projects are varied but include research into imaging and therapy of neuroendocrine tumours, musculoskeletal hybrid imaging, nuclear cardiology and lung scanning.</p>	
<i>Structure of academic project/what expected</i>	
<p>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.</p> <p>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.</p> <p>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.</p>	
<i>Clinical commitments during academic placement</i>	
Varied, however, approximately 30% of the time.	
<i>Departmental academic teaching programme (if applicable)</i>	
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: 1718/UCL/12

Type of programme

Research/audit/clinical liaison and Simulation lab

Employing trust:

Royal Free London NHS Foundation Trust (Royal Free Hospital)

Academic placement based at:

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: 1718/UCL/13

Reference: 1718/UCL/14

Reference: 1718/UCL/15

Type of programme

Research

Employing trust:

Whittington Health

Academic placement based at:

Whittington Health

Brief outline of department

The Department of Primary Care & Population Health at UCL is part of a larger Institute of Epidemiology and Health Care within the School of Life and Medical Sciences, Faculty of Population Health Sciences. The Institute incorporates the following research departments:

PCPH	Primary Care & Population Health
EPH	Epidemiology & Public Health
IPH	Infection & Population Health
MHR LHA	Lifelong Health and Ageing Unit
AHR	Applied Health Research

Links to all of these departments can be found via: <http://www.ucl.ac.uk/iehc/>

Three Academic F2 posts are hosted each year by PCPH working closely with other departments within the Institute. Research in PCPH can be grouped into four major themes: cardiovascular disease and diabetes; ageing; mental health; and primary care delivery systems. PCPH academic staff includes clinicians, epidemiologists, statisticians, health psychologists and sociologists. The department also has a major programme of undergraduate teaching, delivering 15% of teaching across all 5 years

of the undergraduate medical curriculum, and active and growing postgraduate taught and research degree programmes. The department has a successful history of hosting academic training integrated with clinical roles.

Structure of academic project/what expected

For all Academic Foundation Programme trainees a balanced educational programme can be created according to their particular interests. During the Academic Foundation Programme training each trainee will be attached to an established research unit, according to interest and availability. They 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. Training in research methods is also available in face-to-face short course or online module format. Trainees will be encouraged to participate in the post-graduate research training modules run by the department. Further opportunities for in-house training are available in medical statistics, qualitative research methods and other research related training could be arranged within or outside the department depending on the trainee's particular interests.

Trainees will also be encouraged to take a broader view of their clinical work, consistent with their academic perspective, and there will be ample opportunity to participate in the wide range of educational programmes delivered by this flagship multidisciplinary department. Trainees will be able to participate in a range of short courses on generic medical teaching such as the TT (Training to Teach) course, and will have opportunities to teach undergraduate MBBS and BSc students. Trainees can also benefit from the expertise of a network of tutors experienced in training in specific clinical areas.

Academic options

Three academic options are offered in this rotation:

- (1) Primary care
- (2) Clinical Epidemiology
- (3) Sexual Health.

(1) Primary care

The trainee will be based in PCPH attached to one of the Departments' primary care research groups (cardiovascular primary care mental health, eHealth, centre for ageing). Typically there will be a clinical programme during which the F2 Fellow will work under supervision in one of the UCL University Linked General Practices for 2-4 sessions per week, with the remaining sessions being fully protected for academic work.

(2) Clinical Epidemiology

The Institute of Epidemiology and Health Care hosts research teams across a broad range of interests including cardiovascular and genetic epidemiology, life course epidemiology, health services research and psychobiology. The clinical element for trainees selecting this option would usually be in general practice as described in option 1 but could be in Genito-Urinary Medicine.

(3) Sexual Health

The Centre for Sexual Health and HIV Research 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. The clinical element for trainees selecting this option could be either in Genito-Urinary Medicine or in general practice.

Aims of the post

The aim of the academic foundation curriculum is to combine clinical training with opportunities for trainees to develop skills and knowledge in research to equip them for future training for an academic career. Trainees will be expected to acquire all the core competencies of foundation training, but in addition will be offered a range of opportunities to gain knowledge and skills related to both research and teaching.

Intended learning outcomes

The precise academic knowledge and skills gained will vary to some extent depending on the interests of the individual trainee. However it is intended that this attachment will enable all PCPH F2 trainees:

- To gain an overview of the scope of clinical, epidemiological and health services research
- To learn about research methods and their appropriate application
- To learn about sources of knowledge and knowledge management
- To learn how to form research questions
- To learn how to critically appraise research
- To undertake a systematic search, evaluation and synthesis of previous research related to a chosen question
- To understand basic statistics and their application to research
- To understand the sources of funding for research and financial management of research
- To understand the ethics of research, consent and confidentiality
- To understand how research is regulated and governed
- To write a research protocol
- To plan and if possible undertake a database or pilot study
- To demonstrate ability to plan, deliver and evaluate a teaching session/academic presentation.

Clinical commitments during academic placement

Regarding clinical sessions, there is no formal requirement for clinical activity in this post but if individuals would like to undertake some clinical work then they can arrange this themselves or contact Dr Patrick French (p.french@nhs.net) well in advance to arrange sessions at the GUM clinic at Mortimer Market. Also we may be able to arrange a few informal GP shadowing sessions with GP members of the department for general interest and to allow post-holders to include in their CVs that they have had some additional GP exposure during the F2 programme.

Departmental academic teaching programme (if applicable)

In addition to the Foundation Programme's own fortnightly academic seminars UCL offers a variety of research and teaching courses suitable for those pursuing academic careers. Academic Foundation trainees will have the opportunity to attend these and should review, at the start of the rotation, with their academic mentor those that will be especially relevant.

Academic Lead:

Dr Fiona Hamilton, Senior Clinical Research Fellow in Primary Care
 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: 1718/UCL/16

Type of programme

Research

Employing trust:

University College London Hospitals
 NHS Foundation Trust

Academic placement based at:

Royal Free London NHS Foundation
 Trust (Royal Free Hospital)

Brief outline of department

Hepatology is a major clinical speciality, and UCL has one of the largest academic departments of Hepatology in the UK and in Europe. 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, liver regeneration and tissue bioengineering, the immunology of liver disease including transplant rejection, the pathophysiology of liver failure, cellular and molecular biology, hepatocyte transplantation, gene therapy, primary liver cancers, 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 biotechnologies 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 seminars/guest lectures, clinical meetings (weekly updates in Hepatology, radiological and histopathological conferences)

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: 1718/UCL/17

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. All incumbents in this programme so far have gone on to ACF positions and all have published under the supervision of the lead for this specialty.

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: 1718/UCL/18

Type of programme

Research

Employing trust:

University College London Hospitals
 NHS Foundation Trust

Academic placement based at:

Camden and Islington Foundation Trust

Brief outline of department

The UCL Division of Psychiatry specialises in psychiatric epidemiology, molecular genetics, dementia, psychosis, depression, 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](#).

Structure of academic project/what expected

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.

They will learn skills such as formulating a research question, critically appraising a paper, undertaking a systematic literature review, undertaking a research project, and writing up for publication/presentation. There may be involvement in undergraduate teaching.

Clinical commitments during academic placement

Where appropriate, the trainee will learn how to take a history, mental state examination, produce a psychiatric formulation and initial management plan and undertake risk assessments.

Departmental academic teaching programme (if applicable)

There will be opportunities to participate in a range of educational programmes in the academic department and mental health trust.

Academic Lead:

Prof David Osborn
 Professor of Psychiatric Epidemiology
 Based at: UCL and 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: 1718/UCL/19

Type of programme

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.

Employing trust:

University College London Hospitals
 NHS Foundation Trust

Academic placement based at:

Institute for Women’s Health, University
 College London

Brief outline of department

Obstetrics & Gynaecology (O&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.

The Institute for Women's Health (<http://www.instituteforwomenshealth.ucl.ac.uk/>) links 4 internationally recognised research Departments in Maternal Fetal Medicine, Women's Cancer, Gynae 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.

Structure of academic project/what expected

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.

Clinical commitments during academic placement

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.

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 Usha Menon
Based at: Institute for Women's Health, University College London / University College London Hospitals NHS Foundation Trust
E-mail address: u.menon@ucl.ac.uk

Programme 20 – Clinical Pharmacology/Cardiovascular Medicine – based at University College London Hospitals NHS Foundation Trust

Reference: 1718/UCL/20

<i>Type of programme</i>	
Research-based attachment in basic or clinical laboratories	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
University College London Hospitals NHS Foundation Trust	University College London Hospitals NHS Foundation Trust
<i>Brief outline of department</i>	
<p>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.</p> <p>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.</p>	
<i>Structure of academic project/what expected</i>	
Mentors will support trainees in their clinical and academic development during this attachment, preparing them for a career as academic physicians.	
<i>Clinical commitments during academic placement</i>	
None	
<i>Departmental academic teaching programme (if applicable)</i>	
Weekly Grand Round. Weekly seminar series. Regular research in progress meetings.	
<i>Academic Lead:</i>	
<p>Professor Aron Hingorani Based at: University College London Hospitals NHS Foundation Trust E-mail address: a.hingorani@ucl.ac.uk</p>	

**Programme 21 – Anaesthetics – based at University College London Hospitals
NHS Foundation Trust**

Reference: 1718/UCL/21

<i>Type of programme</i>	
Quality improvement/research/audit/clinical liaison	
<i>Employing trust:</i>	<i>Academic placement based at:</i>
University College London Hospitals NHS Foundation Trust	University College London Hospitals NHS Foundation Trust
<i>Brief outline of department</i>	
<p>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.</p> <p>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.</p>	
<i>Structure of academic project/what expected</i>	
<p>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 and/or contact Dr Robert Stephens (see below).</p>	
<i>Clinical commitments during academic placement</i>	
<p>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.</p>	
<i>Departmental academic teaching programme (if applicable)</i>	
<p>Weekly QI Tuesday meeting- Dr Ramani Moonesinghe's Group. A rolling dynamic programme of external and internal presentations on quality improvement</p>	
<i>Academic Lead:</i>	
<p>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</p>	

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.

2-YEAR ACADEMIC FOUNDATION PROGRAMMES AT B7. UNIVERSITY OF SURREY

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 e.g. academic medicine and research. We aim to identify a project that links the post holder's interests to the available data and current research. Most trainees produce at least one peer review paper and present at a conference.

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 healthcare organisation.

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>.

Programme Reference	Programme Theme	Based at
1718/UOS/01	Research with the Clinical Informatics & Health Outcomes research group	University of Surrey & Royal Surrey County Hospital
1718/UOS/02	Research with the Clinical Informatics & Health Outcomes research group	University of Surrey & Royal Surrey County Hospital
1718/UOS/03	Research with the Clinical Informatics & Health Outcomes research group	University of Surrey & Royal Surrey County Hospital

3. PLACEMENTS

Successful applicants are recruited to a specific 4 month academic F2 post in the Department of Clinical and Experimental Medicine, University of Surrey. The post holder will work within the Clinical Informatics and Health Outcomes research group. 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 healthcare organisation.

Programmes 1-3 – Clinical Informatics & Health Outcomes research – based at University of Surrey & Royal Surrey County Hospital

Reference: 1718/UOS/01

Reference: 1718/UOS/02

Reference: 1718/UOS/03

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

Separate IPDs for clinical placements are available on foundation school website

<p><i>Type of programme</i></p> <p>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.</p>	
<p><i>Employing trust:</i></p> <p>Royal Surrey County Hospital NHS Foundation Trust</p>	<p><i>Academic placement based at:</i></p> <p>University of Surrey & Royal Surrey County Hospital</p>
<p><i>Brief outline of department</i></p> <p>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.</p> <p>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.</p> <p>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</p> <p>Our main research interests and groupings are:</p> <ul style="list-style-type: none"> • 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 Department of Clinical and Experimental Medicine).

E-mail address: s.lusignan@surrey.ac.uk.

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

The University was voted University of the Year in the 2014/2015 academic year, it is the top 10 UK Universities in most of the league tables. The University structure, like many others, is complex and multi-layered!

The post sits within:

- **Clinical Informatics and Health Outcomes Research Group**

This in turn sits within:

- **Section of Clinical Medicine and Ageing,**

This Section sits within

- **Department of Clinical and Experimental Medicine, Faculty of Health and Medical Sciences**

This Department is part of the

- **School of Bioscience and Medicine**

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 Department of Clinical and Experimental Medicine**

APPENDIX C – 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 LaSE AFP 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 16 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 37.5.⁰

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 non-white 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)

APPENDIX D – PROCESS FOR ALLOCATION TO PROGRAMME

Application form scores:

	2017
Items	Max score
Further degrees	10
Further degrees (weighting divided by 2)	5 +
Educational achievements (Publications, prizes, presentations)	15 +
White space questions x 4	40
White space questions (weighting divided by 2)	20 +
Total application form score	40

Interview scores:

Panel	Maximum points
Academic panel	20 +
Clinical panel	20 +
Combined interview score	40
Total interview score (weighting x2)	80

The LaSE AFP score will be calculated using the following formula:

Total application form score	40 +
Total interview score	80 +
Combined score	120
LaSE score (weighting x2)	240

Total overall ranking score:

LaSE AFP score	240 +
EPM decile score	43 +
TOTAL OVERALL RANKING SCORE	283