

Job Title:	Clinical Research Fellow: Imperial 4i PhD Programme and BHF AI in Cardiovascular science programme
Department/Division/Faculty:	Faculty of Medicine
Campus location:	Across all campuses
Job Family/Level:	Clinical Academic
Responsible to:	PhD supervisors and Professor Matthew Pickering, Director of the Imperial 4i programme or Professor Martin Wilkins, Director of the British Heart Foundation fellowships: AI in cardiovascular science
Line Management responsibility for:	N/A
Key Working Relationships (internal):	PhD supervisors
Key Working Relationships (external):	
Contract type:	Full time, fixed term for three years (Part-time options will be considered)

Purpose of the Post

The *Imperial Immunity, Inflammation, Infection and Informatics (4i)* PhD programme offers an unparalleled and comprehensive portfolio of high quality internationally competitive research fellowships. The programme focuses on the academic strengths of the College that are relevant to major health problems: Immunity, Inflammation, Infection and Informatics. The programme is recruiting its fifth cohort.

The programme facilitates ‘early career success’ by placing talented individuals within a highly supportive environment and providing each individual with cutting-edge research projects under experienced supervision and mentorship. Through joint appointments and satellite laboratories with the Francis Crick Institute, our programme can offer training opportunities within this inter-disciplinary biomedical research institute. There is also the opportunity of training in the Lee Kong Chian School of Medicine, which is jointly managed by Imperial College London and Nanyang Technological University, Singapore.

Before commencing the three-year PhD, successful candidates will be given the opportunity to meet at least two potential supervisors to identify a suitable research project. There will also be the opportunity, if needed, to participate in a series of two-week laboratory visits to facilitate project selection and development.

Key benefits of the Imperial 4i scheme include:

- PhD supervision by two experienced researchers
- Dedicated supervision: in general, we encourage only one Wellcome Trust / NIHR Imperial BRC 4i /AHSC funded PhD fellow per research group
- Mentoring from an established clinical academic who is independent from the Fellow’s training environment
- Regular research meetings and social events organised specifically for the 4i cohort
- Broad skills training and development opportunities provided by the [Imperial College London Graduate School](#)
- Regular input and guidance from our dedicated Clinical PhD Programme Committee
- Dedicated scheme support from the Imperial Clinical Academic Training Office (CATO)

Towards the end of the PhD our Fellows will have support in returning to their clinical training programmes and in developing the next stage of academic training. This will include (1) a meeting with the 4i Director and

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their specialty training programme Director to develop a bespoke plan for re-integration back into clinical training; and (2) an opportunity to attend out-patient clinics and speciality-specific procedures.

The Imperial 4i programme is funded through the Wellcome Trust / NIHR Imperial BRC PhD Training Fellowships for Clinicians award. Other Imperial College London Faculty of Medicine PhD Research Fellowships funded through additional funding streams such as: the *Imperial College Clinician Investigator Scholarship (ICCIS)* and the *Lee Family Faculty of Medicine Scholarship (LFFMS)* may also be offered under the auspices of the 4i scheme arrangements. ICCIS and LFFMS Fellows will have the option to undertake projects under the Immunity, Inflammation, Infection and Informatics 4i research themes, or to go beyond the parameters of the themes, providing the project focuses on the academic strengths of Imperial and there is agreement and appropriate supervision and support to do so.

The *British Heart Foundation fellowships focus on Artificial Intelligence in cardiovascular science* bringing together cardiovascular and non-biological science with the BHF Centres of Excellence scheme. PhD students will join multidisciplinary teams based in state-of the art buildings on the Imperial Hammersmith and White City Campus to use these interactions to produce new therapies and diagnostic tools. BHF AI fellows will join the cohort of '4i' fellows and take part in 4i and AI for Health programme cohorting and support activities.

Key Responsibilities

Research

- To take initiatives in planning and conducting research and ensuring the timely execution of such research
- To identify and develop suitable techniques and apparatus for the collection and analysis of data
- To ensure the validity and reliability of data at all times including maintaining accurate and complete records of all findings
- To present findings to colleagues at internal and external meetings (travelling within the UK and abroad when necessary)
- To draft publications for submission to refereed journals
- To contribute to the drafting of grant applications
- To ensure appropriate consent for research is obtained from the relevant patients
- To assist and help supervise post-graduate students and visiting workers
- To attend relevant meetings, workshops and conferences
- To develop research collaborations within the College and the wider community.
- To promote the reputation of the fellowship funder/sponsor, Imperial College London Faculty of Medicine and related research centres and groups
- To complete a PhD on an agreed research topic.

Management

- The post holder will be responsible for accurate record keeping and documentation of results, and for preparing research reports and papers arising from his/her research.
- To complete and comply with reporting and progress requirements as requested by the funder

Committees and Meetings

- To attend meetings and report progress on the project, (written and oral) both within the College and externally.

Other Duties

- To undertake appropriate administration tasks
- To attend 4i/BHF/AI for Health/ CATO/other research meetings and seminars as appropriate
- To undertake any necessary training and/or development
- Any other duties commensurate with the grade of the post as directed by the Principal Investigators
- The post holder will be expected to contribute to the intellectual activities of their host department and to keep up to date with scientific advances in the field

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Clinical Responsibilities

- The salary will be un-banded, and the post holder will hold an honorary clinical contract with the appropriate NHS Trust/s. They will not be expected to take clinical responsibilities during their fellowship but may choose to do occasional shifts/locum work. Any such arrangement would be made directly between the fellow and the relevant Trust and clinical duties should be kept to a reasonable minimum so as not to undermine the research.

Person Specification

Requirements

Candidates/post holders will be expected to demonstrate the following:

**Essential (E)/
Desirable (D)**

Education	
• Medical qualification: MBBS, MM BCh or equivalent	E
• Fully GMC registered Doctor (or eligible for full registration) in training in the UK	E
• A commitment to completing a PhD during the appointment	E
Experience	
• Evidence of outstanding academic and/or outstanding research achievements e.g. degrees, presentations at meetings, publications, awards and prizes. The evidence must demonstrate the potential to achieve the highest standards of scientific research and maintain an independent, high-profile academic research career	E
• Evidence of participation in research e.g. clinical audit, clinical protocols; clinical guidelines; clinical service quality improvement initiatives; experience during student electives, intercalated degrees and academic clinical fellowships	E
• Hold a current fitness to practise certificate, registration with license to practise (or equivalent) from the relevant regulatory authority	E
• Hold a current medical indemnity policy that is valid where the training will occur	E
Knowledge	
• Core Training or Internal Medicine (IMT) level or above (or in GP Training), in any specialty. GP Trainees may apply if within 12 months of having CCT	E
• Evidence of achievement of appropriate competencies for stage of clinical training by time of appointment (documented evidence from HEE/training body)	E
Skills & Abilities	
• Skills in accuracy, dependability and attention to detail	E
• Working knowledge of Microsoft Office (Word, Excel, PowerPoint, Outlook)	E
• Excellent English language communication skills (both written and oral)	E
• Creative approach to problem-solving	E
• Ability to carry out independent research, working with minimal supervision	E
• Ability to work in several different laboratories/environments	E
• Ability to organise and prioritise own work in order to meet deadlines	E
• Ability to develop and apply new concepts	E
• Ability to work in a multidisciplinary team	E
• Ability to work closely with a range of different people	E
• Proficiency in delegating tasks to others and ensuring team goals are met	E
• Experience of teaching and interest in providing further medical education of students attached to the department/faculty	D

Please note that job descriptions cannot be exhaustive and the post-holder may be required to undertake other duties, which are broadly in line with the above key responsibilities.

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Imperial College is committed to equality of opportunity and to eliminating discrimination. All employees are expected to follow the [7 Imperial Expectations](#) detailed below:

- 1) Champion a positive approach to change and opportunity
- 2) Communicate regularly and effectively within and across teams
- 3) Consider the thoughts and expectations of others
- 4) Deliver positive outcomes
- 5) Encourage inclusive participation and eliminate discrimination
- 6) Support and develop staff to optimise talent
- 7) Work in a planned and managed way

Employees are also required to comply with all College policies and regulations paying special attention to:

- Confidentiality
- Conflict of Interest
- Data Protection
- Equal Opportunities
- Financial Regulations
- Health and Safety
- Information Technology
- Smoking
- Private Engagements and Register of Interests

They must also undertake specific training and assume responsibility for safety relevant to specific roles, as set out on the [College Website Health and Safety Structure and Responsibilities](#) page.

As this post is exempt from the Rehabilitation of Offenders Act 1974, a satisfactory Disclosure and Barring Service (DBS) check, at the appropriate level, will be required for the successful candidate.

Further information about the DBS disclosure process can be found at <http://www.homeoffice.gov.uk/agencies-public-bodies/dbs/> or by telephoning 03000 200 190. You may also wish to view the College's [DBS webpage](#) for policy statements on the Recruitment and Employment of Ex-Offenders and the Secure Storage, Use, Retention & Disposal of Disclosures and Disclosure Information

The College is a proud signatory to the San-Francisco Declaration on Research Assessment (DORA), which means that in hiring and promotion decisions, we evaluate applicants on the quality of their work, not the journal impact factor where it is published. For more information, see <https://www.imperial.ac.uk/research-and-innovation/about-imperial-research/research-evaluation/>

The College believes that the use of animals in research is vital to improve human and animal health and welfare. Animals may only be used in research programmes where their use is shown to be necessary for developing new treatments and making medical advances. Imperial is committed to ensuring that, in cases where this research is deemed essential, all animals in the College's care are treated with full respect, and that all staff involved with this work show due consideration at every level.

<http://www.imperial.ac.uk/research-and-innovation/about-imperial-research/research-integrity/animal-research/>

Committed to equality and valuing diversity, we are an Athena SWAN Silver Award winner, a Stonewall Diversity Champion, a Disability Confident Employer and work in partnership with GIRES to promote respect for trans people.

October 2020