



**St George's School of Health and Medical Sciences**

**City St George's, University of London**

**Cardiovascular & Genomics Research Institute**

**Lecturer in Cardiovascular Sciences**

**Ref: 108-24-R**

**JOB DESCRIPTION**

<b>Post Title</b>	Lecturer in Cardiovascular Sciences
<b>Grade</b>	SGUL 7
<b>Contract type</b>	Fixed term 3.5 years with a view to extension after academic review
<b>Responsible to</b>	Section Head
<b>Accountable to</b>	Institute Director
<b>Responsible for</b>	Development of research area. Educational delivery
<b>Liaises with</b>	Members of research staff and programme teams

**Overall purpose of job**

A position has become available within the Cardiovascular & Genomics Research Institute following the exciting merger between City and St George's, University of London. The new recruit will have experience working with ion channels ideally in over-expression systems and manipulating ion channel structure to decipher functional, regulatory and pharmacological aspects. The successful candidate will also contribute to teaching at the St George's School of Health and Medical Sciences.

**1. Main Duties and Responsibilities**

We are looking for someone who has experience working with heterologously expressed ion channel proteins to decipher underlying molecular aspects dictating channel function, regulation and pharmacology, preferably with high throughput methods. The lecturer will be



positioned within the Cardiovascular and Genomics Research Institute (CGRI) that incorporates a wide range of interests and strengths including: cardiovascular genomics, sports cardiology, cardiac pathology, cellular physiology understanding causes of cardiac and vascular disease, platelet signalling, molecular control of fetal-maternal interface and computational biology.

The appointee will be a dynamic early career scientist who will be able to develop their research as well as contribute to teaching across the St George's School of Health & Medical Sciences at a time of exciting developments in the newly merged University.

The post-holders will assume the following responsibilities in the role:

**Research:** All Lecturers are expected to develop a research programme with potential for international standing that fits into the research interests and themes at City St. George's and the CGRI specifically. Expertise in working with ion channels in over-expression systems allied to mutagenesis approaches is desirable. The writing of peer-reviewed publications and research grants (collaboratively where appropriate) will form an important part of research activity and will be a principal measure of success. The Lecturer should be aiming to contribute to St George's next REF return. Lecturers are encouraged to develop their own groups or to develop people within a larger group. Lecturers are strongly encouraged and supported to apply for personal fellowship funding from the major grant giving bodies including the BHF where appropriate. The University has good systems in terms of horizon scanning, peer review and administrative support for grant submissions to diverse funders including the major UKRI Research Councils.

**Teaching:** All academic staff at St George's School of Health and Medical Sciences are expected to act as a personal tutor and contribute to teaching across the different programmes at St George's School of Health & Medical Sciences. This includes lecture delivery, small-group tutoring, research project supervision (undergraduate and Master's level) and associated assessments. The ratio of these may vary across academic staff.

Academic staff without a teaching qualification are normally expected to obtain Fellowship/Senior Fellowship of Advance HE (formerly Higher Education Academy) through the in-house framework (SHINE), or take the PG Cert in Health and Biomedical Education. New Lecturers without Advance HE Fellowship or a PG Cert are required to complete four core workshops in EduFocus to pass probation at the end of their first year.

Academic staff are also expected to represent St George's School of Health and Medical Sciences at academic events and assist with fund raising activities, as requested.

**Professional development:** The post-holder will be encouraged to take opportunities for continuing personal and professional development. The University has a focus on supporting and developing careers and opportunities will be made available to develop each lecturer in the context of their own requirements. In addition, the Lecturers have their own group that meets monthly to discuss issues of specific interest.

**Collaboration and Advice:** Lecturers are encouraged to collaborate with others in the University and to seek appropriate national and international collaborations.

**Public Engagement in Science:** City St. George's, University of London is keen to support scientists interested in this area to develop through internal programmes and to take part in



such activities as Spotlight on Science. Engaging patients and the public in the design of research as well as all other aspects is strongly supported.

**Additional activities:** It is expected that staff working at City St George's will be involved in our mentoring and tutoring activities, as appropriate, as well as supporting admissions, student recruitment and access and widening participation activities (MMI interviews, Open Days, school visits, clearing etc) where applicable. Academic staff are also expected to represent City St George's, University of London at academic events and assist with fund-raising activities, as requested. Staff are also expected to undertake other activities appropriate to their grade as directed by their manager.

**Administration:** The postholder will be expected to participate in, and contribute to, the general administration and safe running of the Institute. In particular, the postholder will be expected to:

- Adhere to City St George's policies and procedures, and ensure that students, junior staff and visitors do likewise.
- Work with the Institute Director and the Institute Steering Group, to ensure successful implementation of strategic plans.
- Undertake professional development in line with City St. George's annual workload planning and personal review schemes.

You are also expected to undertake other activities appropriate to your grade as directed by your manager. This job description reflects the present requirements of the post. As duties and responsibilities change, the job description will be reviewed and amended in consultation with the post holder from time to time. City St George's, University of London aims to provide opportunities for all its employees to develop the skills required to be successful in their role and to further develop their careers.

St George's, University of London, is committed to [the San Francisco Declaration on Research Assessment \(DORA\) principles](#).

## 2. Nature and Scope of Job (optional)

The CGRI consists of four Sections: Experimental Cardiology, Clinical Cardiology (including Vascular Surgery), Genomics and Vascular Biology. The lecturer post will be in the Vascular Biology Research Section, which has a strong tradition in ion channel research, but the incumbent will be encouraged to interact with researchers in the other sections. The CGRI has a wealth of experience in several disciplines. There are underpinning data, tissue, DNA and RNA datasets in Sudden Death and Genetic Heart Disease (NIHR BRC Biobank) and Lymphovascular Disease (MRC/BHF Programme Grant) as well as access to large population datasets such as 100,000 Genomes and UK Biobank. A major grant award body is the British Heart Foundation with whom we aim to develop a more substantial relationship. Cellular and models for mechanistic and disease-based research are also available providing potential synergies across all Sections. Expertise in other areas of cellular signalling and molecular mechanisms of disease exists across the St George's School of Health & Medical Sciences including the introduction of a Zebrafish research facility.

The post is a research & teaching post so the successful candidate will contribute to teaching. The main programmes are medicine (4 and 5 years), Biomedical Sciences and Clinical Pharmacology. The post will be associated with some lecturing, small group and assessment



activity. There will also be the possibility of offering research projects for Biomedical Sciences and Clinical Pharmacology students as well as longer projects for Masters students.

This post is initially fixed term for 3.5 years with a probationary period, interim review at 18-24 months and final academic review at 3 years before a decision on extension will be made.

Applications are welcomed from individuals who:

- Have experience working with ion channels to decipher the molecular mechanisms behind channel function, regulation, pharmacology and contribution to healthy physiology and disease.
- Are keen to disseminate their findings to local, national and international audiences.
- Can interact with different research groups and apply their knowledge to different problems.
- Are committed to the transfer of knowledge in a clear manner that enables student learning
- Are committed to the dynamic delivery of programmes including experiential learning activities, development of the expert student, value added programmes



### Person Specification

Criteria	Description	Essential/ Desirable	How it is to be tested
<b>Qualifications</b>	BSc and PhD in an appropriate field to address the job requirements and proposed programme of research	E	PQ/AF
	Professional qualification in Medical or Biomedical Education	D	PQ/AF
<b>Experience</b>	A track record of generating high quality data relevant to ion channel function and publication in peer reviewed journals	E	INT, <b>SS1</b>
	Evidence of successful independent grant application	D	INT, <b>SS2</b> ,
	Teaching to medical, biomedical or other health-related course students.	D	AF, CV, INT, ST, <b>SS3</b>
<b>Knowledge/ Skills</b>	Knowledge of ion channel physiology, pharmacology and regulation	E	INT, <b>SS4</b> ,
	Demonstrable evidence of training in appropriate laboratory skills to study heterologously expressed ion channels including electrophysiology, mutagenesis, chimera formation, BRET or FRET.	E	INT, <b>SS5</b> ,
	Computational modelling of membrane proteins	D	ST
	Working knowledge of Microsoft Office packages, email and intranet systems	E	INT,
	Interest in research-led and research-based teaching	D	INT,
<b>Personal Attributes</b>	Strong interpersonal skills and an ability to build rapport. .	E	AF, CV, INT,



	Willingness to contribute to teaching in different programmes	E	AF, CV, INT, <b>SS6</b>
	Good oral and written communication and interpersonal skills.	E	AF, CV, INT,
	Ability to work in a team and collaborate with colleagues.	E	AF, CV, INT,
	Helpful attitude and an ability to relate / empathise with students and colleagues.	E	AF, CV, INT,
	A willingness to take on a wide range of tasks, and to work flexibly.	E	AF, CV, INT,

**Key:**

PQ=Prerequisite Qualification, AF=Application Form, CV=Curriculum Vitae, SS=Selection/Supporting Statements, ST=Selection Test/Presentation, INT=Interview

*Note: Elements marked SS (Supporting Statements) in the Person Specification will be highlighted in Step 6 (Supporting Statements) on the online application form. Applicants' answers to Step 6 are an essential part of the selection process. Applicants should write individual supporting statements to demonstrate how their qualifications, experience, skills and training fit each of the elements highlighted in this section.*

Applicants should address other elements of the Person Specification in Step 7 (Additional Information). Shortlisting will be based on applicants' responses to Step 6 **and** Step 7. Therefore applicants should complete both sections as fully as possible on the online application form.

**3. Organisation chart (optional)**

*To show where the role fits within the department or division.*

**4. Date**

25 November 2024



## About City St George's, University of London

City St George's, University of London is the University of business, practice and the professions.

City St George's attracts around 27,000 students from more than 150 countries.

Our academic range is broadly-based with world-leading strengths in business; law; health and medical sciences; mathematics; computer science; engineering; social sciences; and the arts including journalism, dance and music.

In August 2024, City, University of London merged with St George's, University of London creating a powerful multi-faculty institution. The combined university is now one of the largest suppliers of the health workforce in the capital, as well as one of the largest higher education destinations for London students.

City St George's campuses are spread across London in Clerkenwell, Moorgate and Tooting, where we share a clinical environment with a major London teaching hospital.

Our students are at the heart of everything that we do, and we are committed to supporting them to go out and get good jobs.

Our research is impactful, engaged and at the frontier of practice. In the last [REF \(2021\)](#) 86 per cent of City research was rated as world leading 4\* (40%) and internationally excellent 3\* (46%). St George's was ranked joint 8th in the country for research impact with 100% of impact cases judged as 'world-leading' or 'internationally excellent. As City St George's we will seize the opportunity to carry out interdisciplinary research which will have positive impact on the world around us.

Over 175,000 former students in over 170 countries are members of the City St George's Alumni Network.

City St George's is led by Professor Sir Anthony Finkelstein.



St George's School of Health and Medical Sciences currently offers a range of employee benefits:

**Salary:** **£50,694** pa, (pro-rated for part-time staff). The salary range for **Grade 7** is **£50,694 – £60,321** and appointment is usually made at the minimum point.

**Hours:** 35 hours per week which can be done flexibly in various ways or part time/job share can also be considered. Staff are expected to work the hours necessary to meet the requirements of the role and this will be dependent on the service area.

**Annual leave:** 30 days per annum. Plus eight UK public holidays and four days when City St George's, University of London is closed (usually between Christmas and New Year). Part time staff receive a pro rata entitlement.

**Pension:** Membership of competitive pension schemes with generous employer contribution and a range of extra benefits.

[Superannuation Arrangements of the University of London \(SAUL\)](#)

[London Pension Fund Authority \(LPFA\)](#)

[Universities Superannuation Scheme \(USS\)](#)

[National Health Services Pension Scheme \(NHSPS\) \(existing members only\)](#)

**Flexible working** Flexible working, including part-time or reduced hours of work, opportunities to work from home for many posts, compressed hours and local flexibility in agreeing start and finish times of work.

**Travel** City St George's, University of London offers an interest free season ticket loan and participates in the [Cycle to Work Scheme](#).

**Gift Aid** If you would like to make a tax-free donation to a charity of your choice, this can be arranged through our Payroll.

**Sports and Leisure Facilities** Rob Lowe Sports Centre, situated on the St George's Healthcare NHS Trust site offers exercise facilities that can be utilised by City St George's, University of London staff.

Within walking distance from St George's is Tooting Leisure Centre. Facilities include a swimming pool, gym and various exercise classes. The Centre offers staff an all-inclusive corporate membership. For more information please contact [Tooting Leisure Centre](#).





**Shops and facilities** There are a number of shops and facilities situated on site including ATMs, student bar and shop, Pret a Manger, M&S Simply Food store, library and multi-faith room.

### Informal enquiries

Informal enquiries may be made to **Professor Iain Greenwood** via email: [greenwood@sgul.ac.uk](mailto:greenwood@sgul.ac.uk)

### Making an application

All applicants are encouraged to apply on line at <http://jobs.sgul.ac.uk> as our system is user friendly and the online application form is simple to complete. Please note that CVs only will not be accepted.

For any accessibility issues please contact [hrhelp@sgul.ac.uk](mailto:hrhelp@sgul.ac.uk)

Closing date: **Sunday 12 January 2025**

**Interview date will be on TBC.** As shortlisted candidates will be notified by email, it is imperative that you provide an email address that is accessed frequently.

Please quote reference **108-24-R**

We are delighted that you are interested in working at St George's School of Health and Medical Sciences. You will be notified of the outcome of your application by email. We aim to respond to all candidates within 5 weeks of the closing date of the vacancy.

