

Job title:	Clinical Academic (Reader, Senior Lecturer or Lecturer) and honorary Consultant in PET Imaging
Department:	Cancer Imaging / Biomedical Engineering and Imaging Sciences
Salary:	Clinical Consultant £82,096 - £110,683 per annum , plus £2162 London Weighting Allowance
Building and Campus:	Lambeth Wing (St Thomas' Hospital), Guy's Cancer Centre (Guy's Hospital)
Contact:	sally.barrington@kcl.ac.uk

Job description

This is a Clinical Academic post at Kings College London (Guy's and St Thomas' Hospitals Campus) linked to the research programme of Professor Sally Barrington, who holds a flagship National Institute for Health Research and Social Care (NIHR) Research Professorship. The appointment will be for a Lecturer, Senior Lecturer or Reader depending on academic experience and credentials.

Professor Barrington's research is focused on the use of PET-guided therapy to improve the effectiveness of cancer treatment with fewer side-effects.

Duties include academic (50%) and clinical (50%) work.

The post-holder will work with Professor Barrington and her group conducting and centrally reviewing scans for national and international trials that test how chemotherapy and radiotherapy can be tailored, using PET, to evaluate an individual patient's risk and response, in cancer. These trials are run through the UK PET Core Lab based at St Thomas' Hospital with a research network of 50 UK scanning centres <http://www.ncri-pet.org.uk/>

- i) enabling better targeting of (radio)therapy according to tumour biology
- ii) improving the reliability of PET reading and informing how PET can monitor new drugs that target the immune system.

The post-holder will lead clinical translation of novel radiopharmaceuticals including first-in-human studies as Deputy of the clinical translation workstream in the EPSRC-funded MITHRAS programme <https://www.mithrasprogramme.org>.

The appointee will join the Cancer Imaging Department of the School of Biomedical Engineering and Imaging Sciences (BMEIS, <https://www.kcl.ac.uk/bmeis>). The aim of the Department is to translate imaging research into the clinical management of patients. The Department is highly collaborative and comprises of a team of clinical researchers investigating specific diseases (cancer and non-cancer) using multimodal imaging. The Department has close links with the London Medical Imaging and AI Centre for Value Based Healthcare, <https://www.aicentre.co.uk/>.

The candidate will have opportunities to grow their own research interests and it is anticipated would develop their own independent high-quality research with high-impact publications and funds raised through peer-reviewed grant applications.

The post-holder will take an active part in teaching relevant undergraduate and postgraduate programmes in the PET Centre and the School.

The post-holder will join a highly motivated clinical and multidisciplinary team providing PET services for patients under the NHS England PET II national contract. We currently scan approximately 8000 patients annually (<http://www.sthpetcentre.org.uk/>).

Facilities include a cyclotron and state-of-the-art radiochemistry facility (2021) for production of clinical and research radiotracers and a scanning facility with 2 GE PET-CT Discovery 710 scanners (St Thomas'), a Siemens Biograph PET-CT scanner (Guy's Cancer) and a Siemens mMR PET-MR scanner (St Thomas').

This post will be offered on an indefinite contract

This is a full-time post

Key responsibilities

- To support the research programme of Professor Barrington.
- Develop multimodality imaging and imaging biomarkers using PET, CT and MRI in a multidisciplinary research environment and attract funding through peer-reviewed grant applications.
- To lead the translation of novel imaging tracers into the clinic working with colleagues in Imaging Chemistry and Oncology as part of the MITHRAS programme.
- Contribute to the delivery of a high-quality clinical PET/CT, PET/MR and Clinical Oncology service at the PET Centres at St Thomas's and Guys' Cancer Centre.
- Contribute to KCL imaging teaching programmes e.g. MBBS Scholarly project supervision, MSc/Diploma in Nuclear Medicine, MSc/MRes in Healthcare Technologies (teaching), BSc in Imaging Sciences (teaching, project supervision, mentoring), BEng project supervision.
- Achieve the above objectives through effective teamwork and collaboration with clinical and academic colleagues.

The above list of responsibilities may not be exhaustive, and the post holder will be required to undertake such tasks and responsibilities as may reasonably be expected within the scope and grading of the post.

Skills, knowledge, and experience

Essential criteria

1. Full GMC registration or eligible for full GMC registration with licence to practice and eligible for entry on Specialist Register for Nuclear Medicine or Radionuclide Radiology
2. Eligible to hold an ARSAC (regulatory) licence for administration of PET radiopharmaceuticals on appointment or in the future
3. Experience in multimodality imaging with ability to report oncological PET/CT
4. Understanding of the concepts and application of clinical and research governance
5. Evidence of previously published research
6. Experience in presenting scientific research e.g. oral presentations and/or posters
7. Experience in undergraduate and/or postgraduate teaching and training
8. Ability to take individual responsibility for planning and undertaking own work according to clinical and scientific guidelines and meeting clinical and scientific deadlines
9. Ability to work well as an effective member of a multidisciplinary team and to share and encourage good practice
10. Good verbal and written communication skills

Desirable criteria

1. MD/PhD or within 12 months of completing a higher degree
2. Supervision of PhD and MD research students
3. Research project planning and management

Further information

All KCL-employed clinical academics are expected to maintain academic output (e.g. teaching hours, research outputs, involvement in grant applications) proportional to academic time in the job plan and will be eligible for Research Excellence Framework (REF – five-yearly research evaluation) submission. A 3-year academic probation period applies. A mentoring programme is offered to new Consultants during the first 3-years.

Guy's and St Thomas' and NHS Foundation trust and King's College London is host to the **NIHR Biomedical Research Centre** <https://www.guysandstthomasbrc.nihr.ac.uk/>

The School of Biomedical Engineering and Imaging Sciences hosts a Wellcome EPSRC Centre for Medical Engineering <https://medicalengineering.org.uk/>

The King's College London and Guy's & St Thomas PET Centre

Clinical service

The PET Centre is part of both Guy's & St Thomas' NHS Foundation Trust and the School of Medicine, King's College London within the School of Biomedical Engineering and Imaging Sciences. It is one of the leading clinical PET centres in the UK with a large and varied clinical service and a substantial and expanding research track record.

Key to the operation of the centre is a team of specialist staff covering a wide range of disciplines including clinicians, radiographers and nuclear medicine technologists, radiochemists, medical physicists, computing, administrative and technical staff. Several of these staff hold academic appointments in the School of Biomedical Engineering and Imaging Sciences.

Members of the unit are active in professional bodies and committees dealing with issues relating to PET scanning and how it is used. Members of the department have authored international and national clinical guidelines on the application of PET/CT and it is home to the UK PET Core Lab for Clinical Trials endorsed by the British Nuclear Medicine Society.

The current Consultants in the department are

Prof Sally Barrington, Professor in PET Imaging and NIHR Professor and Honorary Consultant PET Imaging

Dr. Sugama Chicklore, Clinical Lead PET Imaging, Clinical Lecturer and Honorary Consultant PET Imaging

Prof Gary Cook, Professor in Molecular Imaging and Honorary Consultant PET Imaging

Prof Alexander Hammers, Head of PET Imaging Centre and Professor (Honorary Consultant) of Imaging and Neuroscience

Dr. Eliana Reyes, Clinical Lecturer PET Imaging

Dr. Manil Subesinghe, Clinical Lecturer and Honorary Consultant PET Imaging

The department is also supported by four radiology and nuclear medicine consultants from Guy's and St Thomas' NHS Foundation Trust (15 programmed activities (PA, i.e. half-days)).

The centre currently scans around 8000 patients annually and the post-holder will be expected to provide consultant cover in the department for scanning, to vet and report scans and attend and lead multidisciplinary meetings if required in rotation with Consultant colleagues as above and to support Clinical Fellows (trainees) within the department.

Research. The PET centre has an active research programme involving basic science (instrumentation, radiochemistry, data analysis) and imaging in oncology, neurology, cardiology, bone metabolism, and inflammation and infection. Routinely used tracers for clinical applications include [¹³N]ammonia, [¹⁸F]fluoride, [¹⁸F]FDG, [⁶⁸Ga]PSMA and [⁶⁸Ga]dotatate.

Current sources of research funding include EPSRC, MRC, Wellcome, Cancer Research UK, BCN, PCUK, EU F7, DoH and BHF. Medical and scientific staff make regular contributions at major international conferences and to leading journals.

Teaching. The PET Centre supports Clinical Fellows, radiology and nuclear medicine trainees, MD and PhD students and Clinical Research Fellows. Staff contribute to both undergraduate medical teaching and the School's portfolio of masters training programmes including MSc/Diploma in Nuclear Medicine, MSc in Radiopharmaceutics and PET Radiochemistry, MSc in Medical Engineering and Physics, and MRes in Medical Imaging Sciences. The Centre also regularly provides training for visiting physicians, radiologists, and scientists.

Job plan:

The job plan will include 50% clinical work (reporting/multidisciplinary meeting (MDM) cover/supporting professional activities (SPA)) and 50% academic work. SPA time includes preparation for appraisal and continuing professional development with a commitment to 5-yearly revalidation. Evening reporting (until 18:30) will be required on one day per week.

The job plan will be negotiated between the consultant and their Clinical Lead and Head of PET Centre at least annually. An example job plan for this post is shown below:

Total number of Programmed Activities (PAs) = 10

		Number of programmed activities
Programmed activities for direct clinical care:	Clinical diagnostic work (imaging)	3.75
Supporting programmed activities:	Job Planning, preparing for yearly appraisal, continuing professional development, clinical governance including audit	1.25
Academic Programmed activities:	Research/teaching/medical school activities	5.0

There may be additional programmed activities with agreement with the Clinical Lead/Head of PET Centre, which will be assessed annually at the time of appraisal.

This post will have secretarial and IT support. The appointee will have access to a shared office.

PROPOSED WEEKLY TIMETABLE

This timetable is for 10 PAs. There may be the possibility of additional PAs that will be reviewed annually with the Clinical Lead, Head of PET/Head of School. As further appointments are made to the consultant team, all timetables will be reviewed in conjunction with the post holders. The Centre at St Thomas' is open from 8am to 6.30pm Monday to Thursday and 8am to 5pm on Friday. The Centre at Guy's Cancer Centre is open from 9am to 6.30pm Monday to Friday. The post holder is expected to share with other colleagues in providing clinical cover for extended hours of operation and to work at the PET Centres on both sites. Staff are encouraged to take lunch breaks away from clinical work area flexibly.

	Hospital/ location	Type of Work	Start time and finish time	Frequency: (eg 1x4 wks, 1x6 wks 1x1wk)	Direct clinical care or supporting activity
Monday	GSTT/KCL	Research, teaching, administration	9 - 1 pm	1x1	1 APA
	GSTT/KCL	Research, teaching, administration	1 – 5 pm	1x1	1 DCC
Tuesday	GSTT/KCL	Research, teaching, administration	9 - 1 pm	1x1	1 APA
	GSTT	Reporting	1 - 5 pm	1x1	1 APA
Wednesday	GSTT/KCL	Research, teaching, administration	9 - 1 pm	1x1	1 APA
	GSTT	Reporting	1 - 5 pm	1x1	1 APA
Thursday	GSTT	SPA	9 – 11 am	1 x 0.5	0.75 SPA
	GSTT	Reporting	11:30 – 6:30 pm	1x1.75	1.125 DCC
Friday	GSTT	SPA	10 – 1 pm	1 x 0.75	0.625 DCC
	GSTT/KCL	Research, teaching, administration	1 – 5 pm	1 x 1	0.5 SPA 1 DCC

Total: 10 PAs per week

- Please note this a proposed job plan but may be adjusted to ensure clinical provision relates to the other consultants employed by GSTFT and KCL at the time of appointment. There is no on-call provision.
- Occasional weekend working with Saturday scanning is currently arranged on a voluntary basis with Consultant staff and reimbursed accordingly, however may be scheduled on rotation in future. This will be job planned and according to the NHS Consultant Contract. Time in lieu will be given if working weekend on rota.

This post is subject to Disclosure and Barring Service and Occupational Health clearance.

ADDITIONAL INFORMATION REQUIRED

Disclosure and Barring Service clearance (DBS, formerly CRB)

Part V of the Police Act 1997 makes criminal record checks available for positions that are identified as exempt under the Rehabilitation of Offenders Act (ROA) 1974 (Exceptions) Order 1975 (as amended). Not all staff will require a DBS check. The trigger for a check and the level of check will be based on the duties of the position, frequency of contact with vulnerable groups, and its location, as indicated in the table below.

Level of DBS clearance required - indicate all applicable aspects:

Carrying out regulated activities with children and/or adults ¹ :	Both
--	------

No regulated activity but contact with vulnerable groups ² :	No
---	----

Situated in a regulated environment ie NHS premises ³ :	Yes
--	-----

1. Regulated activity may involve providing health care, personal care, social work, teaching or training.
2. Contact with vulnerable groups must meet the frequency threshold of 4 days in a 30-day period. An adult is not considered to be vulnerable due to any personal characteristic: however, an adult may be regarded as vulnerable due to particular circumstances at a particular time, for example when they are receiving treatment in a hospital.
3. KCL buildings do not qualify as regulated environments. Only NHS Trust sites qualify as regulated environments.

Further information about the Disclosure scheme can be found at: www.gov.uk/db

Occupational Health clearance

In order to undertake this role the successful candidate may require Occupational Health clearance as indicated by the specific aspects below, or if they declare that they have a health condition or disability that may require accommodation measures so that they are able to carry out their work comfortable and efficiently. Where Occupational Health clearance is required the candidate will be sent an Occupational Health questionnaire to determine whether any reasonable accommodation measures are required for the candidate to take up the post.

Specific aspects - indicate frequency D (daily), W (weekly), M (monthly), N (never) for all fields:

Intensive display screen equipment work (eg data entry or digital microscopy) ¹	D	Heavy manual handling ¹	N
Highly repetitive tasks (eg pipetting or re-shelving books) ¹	N	Work at height (eg ladders, scaffolds etc) ¹	N
Direct patient contact involving exposure prone procedures (EPP) ²	N	Direct patient contact, no EPP ²	W
Work with patient specimens (eg blood or tissue samples) ²	M	Work with GM organisms or biological agents that may pose a hazard to human health ²	N
Work involving risk of exposure to environmental or human pathogens (eg in waste streams or soils) ²	N	Hazards which require health surveillance eg respiratory sensitisers (allergens, substances with risk phrase	N

			R42, wood dust etc) or loud noise ²	
	Driving vehicles on university business ² :	N	Shift work, night work or call-out duties ²	N
	Food handling or preparation ²	N	Work in confined spaces (eg sump rooms, etc) ¹	N
<ol style="list-style-type: none"> 1. These hazards do not require health assessment but may require advice from Occupational Health if a successful candidate declares a disability or health condition in the Health & Capability Declaration. 2. These hazards automatically require the successful candidate to undergo employment health assessment to identify any necessary health surveillance, recommended vaccinations or other risk control measures. 				