Division of Imaging Sciences & Biomedical Engineering Staff Handbook

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Division of Imaging Sciences & Biomedical Engineering Staff Handbook

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About the College

King's College London is one of the top 20 universities in the world (2011/2012 QS international world rankings), the Sunday Times 'University of the Year 2010/11' and the fourth oldest in England. A research-led university based in the heart of London, it has nearly 23,500 students (of whom nearly 9,000 are graduate students) from 150 countries and approximately 6,000 employees. The College is in the top seven UK universities for research earnings and has an overall annual income of nearly £525 million.

King's has a particularly distinguished reputation in the humanities, law, the sciences and social sciences including international affairs. It has played a major role in many of the advances that have shaped modern life, such as the discovery of the structure of DNA and research that led to the development of radio, television, mobile phones and radar. It is the largest centre for the education of healthcare professionals in Europe; no university has more Medical Research Council Centres.

King's College London, Guy’s and St Thomas’ NHS Foundation Trust (GSTT), King’s College Hospital NHS Foundation Trust (KCH) and South London and Maudsley NHS Foundation Trust (SLaM) are part of the King's Health Partners Academic Health Sciences Centre, a pioneering global collaboration between one of the world’s leading research-led universities and three of London’s most successful NHS Foundation Trusts, including leading teaching hospitals and comprehensive mental health services. Accredited by the Department of Health in 2009, King's Health Partners (KHP) is one of five academic health science centres in the UK.

KHP hosts two National Institute for Health Research (NIHR) funded Biomedical Research Centres (BRCs) and a NIHR funded Biomedical Research Unit in Dementia through local KCL-GSTT and KCL-SLaM partnerships respectively. These NIHR centres and unit are specifically focused on enhancing the NHS clinical research environment, in order to accelerate the pace of translation of basic discovery science into experimental medicine and early phase clinical research and thus speed up the delivery of new treatments and diagnostics for patient benefit.

About the Faculty

The King's College London Faculty of Life Sciences and Medicine is one of the largest medical research and teaching centres in Europe, with 700 staff and 2500 undergraduate and graduate students. Around 360 doctors a year graduate from the school. The school works in partnership with Guy's and St Thomas’ NHS Foundation Trust and King's College Healthcare NHS Trust with the joint aims of excellence in research and training tomorrow's doctors. The School offers a flagship Extended Medical Degree programme, the UK’s first widening access to medicine programme, and in 2004, the School admitted the first graduate students to the new fast-track MBBS programme.

About the Division

The Division of Imaging Sciences & Biomedical Engineering is an interdisciplinary division dedicated to the development, clinical translation, and clinical application of medical imaging technologies. The Division's overriding goal is to deliver scientifically informed solutions to healthcare problems that involve the acquisition, reconstruction, processing and analysis of pre-
clinical and clinical data, which is predominantly imaging based, and the use of this information, including its integration within biophysical models, to answer clinically important questions.

The Division is based at St. Thomas’ Hospital and is dual-affiliated to the School of Natural & Mathematical Sciences and the School of Medicine. The Division contains over 350 staff and graduate students who are supported by state of the art experimental and clinical research facilities. The majority (67%) of the academic team are engineers or physical scientists, who work closely with clinicians and biologists focusing on diseases of worldwide significance: cardiovascular disease, cancer, the problems of early life & musculoskeletal disease.

The Division has five Departments with Biomedical Engineering and Imaging Chemistry & Biology developing fundamental technologies that are refined and translated into clinical applications by Cardiovascular Imaging, Cancer Imaging and Perinatal Imaging. The administration and delivery of research is overseen at Divisional level to maintain interdisciplinarity and translation. The academic team in the Division, led by Professor Reza Razavi, consists of a team of academic staff working in a wide range of imaging related disciplines from basic sciences (PET & MR Physics; image processing and computational modelling; Chemistry; Biology) through to clinical applications. The Division is highly pro-active in developing collaborations with other Departments and Divisions, especially the Cancer Studies Division, the Cardiovascular Division and the Institute of Psychiatry, both in basic sciences and clinical sciences, to widen the utility of imaging for maximum patient benefit and innovation.

A link to the Division’s webpages can be found here: http://www.kcl.ac.uk/medicine/research/divisions/imaging/index.aspx

**Departments**

**Biomedical Engineering**

The Department of Biomedical Engineering has been established within the Division of Imaging Sciences to provide cutting-edge engineering research and teaching to augment and enhance the existing international reputation of the Division.

Specialist areas in the department include:

- Multi-scale and multi-physics computational modelling
- Systems biology, simulation of cell signaling and regulation
- Biomedical image acquisition, image reconstruction and image analysis
- High performance computation and visualisation for biomedical applications
- Bioinstrumentation and device development
- Multi modality image processing
- PET and MR image acquisition, processing and reconstruction
- Numerical analysis and parameter estimation

The main objective of the Department is to pursue high quality, multidisciplinary research internationally. There is a close and vital relationship in our work between problem solving in clinical and biomedical application areas and methodological research in biomedical engineering technologies and information processing.
The Division of Imaging Sciences is working to combine critical mass of basic science and clinical research with an outward-looking translational approach. The research activity in the Department focuses on accelerating this progress through the integration of intelligent image and data acquisition with quantitative tools in both clinical and basic science contexts. Current emphasis on cardiovascular, oncology and pulmonary disease applications are being combined with new areas of research. The goal of this work is to contribute to the extraction of the full value of state of the art imaging and measurement tools, and the combined information content they produce. Through translation of technology we will aim to ultimately support a paradigm shift away from predefined clinical indices determining treatment options and a move towards true personalisation of care based on quantification of an individual’s specific physiology.

Key Contacts

Rene Botnar
Head of Department
The Rayne Institute
4th Floor, Lambeth Wing
St Thomas’ Hospital
London, SE1 7EH

Anca Gourlay
Department Manager
020 7188 8299

Laurella Noble
PA to Professors Ralph Sinkus and Paul Marsden
020 7188 8299, extension 53208

Michelle Hetherington
PA to Professor Jo Hajnal
020 7188 9145

Anita Fisher
PA to Professors Rene Botnar and Giovanni Montana
020 7188 8299

Cancer Imaging

Molecular imaging techniques are maturing rapidly. The development of probes that can examine cellular and molecular processes in vivo, and the shift of emphasis to translational and experimental medicine have led to massive interest in molecular imaging. In addition to advances in PET, SPECT, MR, and optical imaging, the role of new contrast agents in CT and US and potential for combining different modalities are now under investigation. New tracers and techniques are being developed for monitoring gene expression, stem cell tracking, cell signaling pathways etc. with applications across all medical specialties. PET is the key imaging modality for performing molecular imaging studies in man and is likely to remain so for the foreseeable future. However, the use of PET imaging techniques to validate other modalities will see an increased, dual, use of radionuclide imaging and MR, CT, fluorescent and US imaging. The department of Cancer imaging will explore all of these methods to ensure optimum techniques are used both for research and application to clinical practice.

PET, nuclear medicine and radiology have always had close links with a range of users and research has been tied to clinical practice. This enables rapid translation of research into clinical practice. The role of standard RECIST assessment in cancer has been and continues to be applied in a wide variety
of research projects within Radiology. New methods including PET, MRI and CT are now finding a role in disease response assessment. The link with the Cancer Imaging Centre across KCL and UCL has provided a large range of basic science information to increase the number of imaging tracers and development of applications and linkage with biological biomarkers and exploration of the link to cell pathways. There is also a strong methodology development programme looking at hybrid imaging with a particular emphasis on PET MRI combined imaging.

The department of radionuclide therapy is integrated within cancer imaging to support the development of targeted cancer treatment using radioactive isotopes. This approach is currently used to treat several different tumour types. Imaging plays a critical role in identifying appropriate patients for treatment, optimising therapeutic regimens and assessing response. The development of new-targeted radionuclide treatments relies upon the discovery and characterisation of imaging tracers that can then be adapted for therapeutic use. Multi-modality imaging will underpin pre-clinical research programmes to explore the potential of different radiolabelled drug combinations and will direct subsequent clinical trial design. Other treatment options including radio embolization and high frequency ultrasound have also developed as the result of close cross specialty collaboration within the cancer imaging sciences.

The group also incorporates a large service provision. It is important that the linkage between service and research is close to enable science to be moved rapidly into the clinic. There are also opportunities to examine and re-examine current practice and imaging pathways for a variety of cancers to identify evidence based research and to integrate health economics analysis in our research to ensure cost effective approaches to patient management.

Close links with all departments within Imaging Sciences is established. Close links with Cancer at the basic science level and with clinicians is required to concentrate on the research areas that are most appropriate to answer specific questions and hasten the employment of these techniques in clinical practice for the benefit of our patients.

**Key Contacts**

**Professor Gary Cook**  
Head of Department, Cancer Imaging  
4th Floor, Lambeth Wing  
St Thomas’ Hospital  
London, SE1 7EH  
020 718 84988

**Pallavi Patel**  
PET Centre Manager  
020 718 84988

**Viviane Schroeder**  
PA to Alex Hammers, Gary Cook and PET Administrator  
PET Imaging Centre Facility  
Tel: 020 718 85437

**Cardiovascular Imaging**
The Department of Cardiovascular Imaging is the most clinical Department in the Division of Imaging Sciences and Biomedical Engineering. Our main goals are:

- Delivery of a state of the art clinical service
- Translation of novel technical developments into clinical applications
- Validation, optimization and development of novel imaging techniques.

Our main interest is oriented towards cardiovascular disease mainly in the areas of myocardial ischaemia (coronary artery disease, heart attack), heart failure, electrophysiology and device therapy, vascular disease, especially aortic disease and heart disease in children and grown-ups with congenital defects.

Our research spans from preclinical and phantom work to large multicenter trials with the goal to support or change current guidelines.

**Key Contacts**

**Professor Sven Plein**  
Acting Head of Department, Cardiovascular Imaging  
The Rayne Institute  
4th Floor, Lambeth Wing  
St Thomas’ Hospital  
London, SE1 7EH

**Michelle Cheung**  
Acting Departmental Manager, Cardiovascular Imaging  
020 718 87242

**Jolanta Hernik**  
PA to Drs Amedeo Chiribiri and Tarique Hussain  
020 718 87242

**Imaging Chemistry & Biology**

The Department pursues high quality, multidisciplinary research internationally focusing on two key areas: 1) Identification of novel molecular imaging targets in all biomedical areas (cancer, cardiovascular, musculoskeletal, neurological, immunological) and development and evaluation of new molecular imaging agents for these applications; and 2) Novel chemical approaches to facilitate the development of novel contrast agents with simpler methodology, higher quality and wider availability for patients.

Departmental research teams cover basic organic, inorganic and nanoparticle chemistry, and biology at the biomolecular, cellular and whole organism (preclinical and clinical) level. Departmental research groups work together in an integrated and collaborative making efficient use of the Department’s physical infrastructure, laboratory space and varied academic expertise. The Department also interacts closely with other departments in the Division to optimise imaging capability and translate new science into clinical application, focusing on problem solving in clinical and biomedical application areas and methodological research in biomedical engineering technologies and information processing.

The Department is very well equipped with chemistry, radiochemistry, chemical and biochemical analysis (ES-MS, high field NMR, HPLC etc.), tissue culture and preclinical imaging facilities (PET/CT, SPECT/CT, 9.4 T MRI), with strong links to the PET Centre (with cyclotron and hot cell facilities and providing radioisotopes such as F-18, C-11, Cu-64, Cu-61, N-13, Ga-68 etc.) and Nuclear Medicine (providing access to isotopes such as Tc-99m, Ga-68 etc.).
Perinatal Imaging and Health

The Department of Perinatal Imaging and Health is focused on understanding the causes and consequences of damage to the immature brain, and devising strategies to reduce the level of neurodevelopmental impairment initiated in the perinatal period. Using experimental laboratory methods and magnetic resonance imaging (MRI) techniques, the team integrates data from foetal, early postnatal and post-mortem scanning with information on neurological function as the children develop, and has developed a pipeline for the discovery and trial of novel neuroprotective therapies that integrates laboratory work with early and late phase trials. There is a strong emphasis on neuroinformatics and bioinformatics and development of novel imaging strategies.

While previous research programmes have emphasised prematurity and asphyxia brain injury, there is now an additional focus on Autistic Spectrum Disorder and other neurocognitive conditions. Current work includes MRC funded studies of neuroprotection using Xenon gas and Melatonin, the €15 million European Research Council funded Developing Human Connectome Project and the Wellcome Trust funded programme grant investigating mitochondria-targeted protective strategies for limiting injury in the developing brain.

We have established a new dedicated MR imaging suite in the Neonatal Intensive Care unit at St Thomas’ Hospital, and we run a strongly collaborative approach working with colleagues around the world, particularly within The Centre for the Developing Brain which acts as a focal point to develop contacts and opportunities for research with industry, academia and research funders.

Key Contacts

Professor David Edwards
Head of Department, Perinatal Imaging and Health
020 718 89158

Elizabeth Gardner
Departmental Manager Perinatal Imaging and Health
020 718 89145

Michelle Hetherington
PA to Professor David Edwards
020 718 89145
**MR Imaging Team**

The division has five MRI scanners across Guys and St Thomas’ used for both clinical and research scans. These are managed by the MR Clinical Research Facility Manager and supported by the MR Team made up of clinical Co-ordinators and Radiographers. The scanners are available to anyone who requires access for either clinical or research scans. Annual MR Safety and evacuation training is mandatory for anyone using the scanner.

All time on the scanner must be documented in the KCL booking system [https://www.isd.kcl.ac.uk/internal](https://www.isd.kcl.ac.uk/internal) all staff can apply for access via this link please document in the notes section the department you work in and your line manager.

Scanner access is arranged with the MR Scanner access form available at [file://localhost/Volumes/MRI_drive/Research /Getting access to MR/MRI Scanner Access Application Form.doc](file://localhost/Volumes/MRI_drive/Research /Getting access to MR/MRI Scanner Access Application Form.doc).

If you have any questions or training needs please contact the MR Team directly.

**MR Clinical Research Facility Manager**
Louise Tiemens (Ramesh Valapil, interim)
MRI Office, 4th Floor, Lambeth Wing
St Thomas’ Hospital, SE1 7EH

**MR Clinical Co-ordinators**
Lucy Hewett
Jasmine Davies

**Associated Centres**

**King’s Health Partners**

King’s College London, Guy’s and St Thomas’ NHS Foundation Trust (GSTT), King’s College Hospital NHS Foundation Trust (KCH) and South London and Maudsley NHS Foundation Trust (SLaM) are part of the King’s Health Partners Academic Health Sciences Centre, a pioneering global collaboration between one of the world’s leading research-led universities and three of London’s most successful NHS Foundation Trusts, including leading teaching hospitals and comprehensive mental health services. Accredited by the Department of Health in 2009, King’s Health Partners (KHP) is one of five academic health science centres in the UK. The four sovereign partner organisations within KHP are committed to working cooperatively to create an internationally recognised centre of excellence which draws upon academic expertise in medical science, basic science, social science, law and humanities and brings together world leading research, education and clinical training and practice within an integrated environment. KHP hosts two National Institute for Health Research (NIHR) funded Biomedical Research Centres (BRCs) and a NIHR funded Biomedical Research Unit in Dementia through local KCL-GSTT and KCL-SLaM partnerships respectively. These NIHR centres and unit are specifically focused on enhancing the NHS clinical research environment, in order to accelerate the pace of translation of basic discovery science into experimental medicine and early phase clinical research and thus speed up the delivery of new treatments and diagnostics for patient
benefit. More information about the collaboration is available from the King’s Health Partners website: www.kingshealthpartners.org

King’s Centre of Excellence in Medical Engineering (MEC)
The King’s College London Medical Engineering Centre, funded by the Wellcome Trust and EPSRC, aims to break down the barriers between biology, medicine, and the fields of engineering, physics, mathematics, computer science and chemistry. Our work on medical imaging brings together basic scientists and medical researchers in a hospital setting, and we focus on the clinical translation of the underpinning science and technology. As well as moving towards clinical studies that show patient benefit, we aim to facilitate a closer partnership between the university and industry.

The Comprehensive Cancer Imaging Centre (CCIC)
The Comprehensive Cancer Imaging Centre (CCIC) is a major collaboration between King’s College London and UCL, supported by funding from CRUK, EPSRC, MRC and DoH (England). The focus of the centre is on using imaging techniques to identify appropriate treatments in diagnosed cancer patients. The centre aims to develop new imaging techniques and uses for existing advanced imaging technologies, including imaging equipment that allows scientists to watch cells in action by tracing radioactive markers injected into the patient’s body. These techniques will enable doctors to see therapies at work, identifying earlier which treatments work best for individual patients. Professors Phil Blower, Paul Marsden, Mike O’Doherty and Tobias Schaeffter along with Dr David Landau and Dr Greg Mullen are principle and co-investigators in this centre.

British Heart Foundation (BHF) Centre of Research Excellence
The King’s British Heart Foundation (BHF) Centre of Research Excellence was established in April 2008 with £9 million funding from the BHF with the aim of promoting cutting edge research and training in cardiovascular research. The Centre brings together a unique range of internationally renowned scientists and clinicians from the Cardiovascular, Randall and Imaging Sciences Divisions who are focused on basic and applied work that leads to advances in the early diagnosis, prevention and treatment of heart diseases. The Centre is directed by Professor Ajay Shah, BHF Professor of Cardiology at King’s, with a Steering Group comprising research theme leads. The principal aims of the Centre of Research Excellence are to build upon the foundation of existing cardiovascular and related non-cardiovascular strengths at King’s to (a) provide a highly collaborative, multi-disciplinary environment which catalyses the pursuit of imaginative and innovative cardiovascular research programmes; (b) place major emphasis on the translation of fundamental laboratory advances to the clinical arena, eventually leading to therapeutic advances in the areas of atherosclerosis, cardiac protection and cardiac failure; (c) engage non-cardiovascular and non-biomedical scientists to direct their expertise to cardiovascular problems; and (d) deliver outstanding research training and a nurturing environment for clinical and non-clinical scientists.

Biomedical Research Centre (BRC)
The National Institute of Health Research (NIHR) Comprehensive Biomedical Research Centre at Guy’s & St Thomas’ NHS Foundation Trust (GSTFT) and King’s College London (KCL) is one of five new comprehensive Biomedical Research Centres in the UK. The Centre focuses on translational research taking advances in basic medical research out of the laboratory and into the clinical setting, forming a key part of the Department of Health’s new strategy for research and development in the NHS. The GSTFT/KCL Centre was awarded a total of £45m over 5 years to build on its excellence in
translational research and develop translational research capacity through training and education. The Biomedical Research Centre at GSTFT/KCL focuses on seven research themes encompassing Asthma & Allergy, Atherosclerosis, Cutaneous Medicine/Dermatology, Cancer, Immunity and Infection, Oral Health and Transplantation and has cross cutting disciplines encompassing Genetics, Paediatrics, Imaging Sciences, Stem Cell Research, Cell and Molecular Biophysics, age-related diseases and health & social care research.

**King’s Health Partners Clinical Academic Group (CAG)**

One of the principles that underpins our Academic Health Sciences Centre is that the best healthcare research in the world is of limited value unless you are actually able to put it into practice for the benefit of patients.

At King’s Health Partners, we will make sure that the learning from research is used quickly, consistently and systematically to improve clinical services. We have set up a series of operational units called Clinical Academic Groups to enable us to do this.

The creation of Clinical Academic Groups is about bringing people together who are experts in their field - whether that’s cancer care, dementia or diabetes - so that we can offer patients the very best care and treatment, based upon reliable research evidence that it works. This involves clinical staff such as doctors and nurses working alongside academic researchers much more closely than has sometimes been the case in the past. And it means that patients will receive a high quality service.

**Centre for the Developing Brain (CDB)**

The goal of the Centre for the Developing Brain is to reduce the number of children who suffer brain damage in the perinatal period through:

- Understanding human brain development around the time of birth
- Creating new capabilities to map cerebral development in health and disease
- Exploring and exploiting the underlying biology of brain development disorder to create new therapies
- Conducting clinical trials of novel neuroprotective and neural rescue therapies.

The Centre has established a comprehensive and integrated capability to achieve these ambitious goals, combining groups working in: basic and translational neurobiology; MR imaging development, analysis and application; and clinical studies of the human fetus and infant.

The Centre has advanced MR imaging facilities, including a novel fetal imaging capability and a new dedicated MR imaging suite sited within the Neonatal Intensive Care Unit at St Thomas' Hospital. This integrated capability allows novel treatments defined by basic and translational neuroscientists to be tested in human infants using novel and well-qualified imaging biomarkers.

We have a strongly collaborative approach working with colleagues around the world, and particularly with colleagues at Imperial College London (most notably Professor Daniel Rueckert who is a longstanding member of the Centre), and with clinicians and scientists within King’s Health Partners. A major goal for the coming period will be to develop collaborative studies of Autistic Spectrum Disorders and Attention Deficit and Hyperactivity Disorders, and to work with the MRC
Centre for Developmental Neurobiology on translational studies of basic neurodevelopmental mechanisms.

**King’s Technology Evaluation Centre (KiTEC)**
KiTEC - King’s Technology Evaluation Centre was established in 2011. The role of KiTEC is to support the work of the Medical Technologies Evaluation Programme (MTEP) of the National Institute for Health and Care Excellence (NICE). MTEP selects and evaluates innovative medical technologies (including devices and diagnostics) and helps the NHS adopt efficient and cost effective medical devices and diagnostics more rapidly and consistently. KiTEC uses its specialist expertise to evaluate these technologies in order to inform MTEP decisions. Projects undertaken by KiTEC include randomized controlled trials, systematic reviews, establishment of registers and databases, and assessment of innovative medical technologies and diagnostic procedures.

**PET Imaging Centre**
The PET Imaging Centre is the leading clinical PET centre in the UK and has a substantial and expanding track record of clinically related research with collaborators from the Hospital, the Medical School and other institutions. Facilities include a cyclotron and radiochemistry facility for production of routine clinical and research radiotracers in addition to a scanning facility with 2 GE PET/CT scanners – a Discovery ST 4 slice CT and a Discovery VCT 64slice CT. Key to the operation of the centre is a team of specialist staff covering a wide range of disciplines including radiochemists, radiographers, physicists, computer science, and administrative and technical staff.

The PET centre has many active research programmes involving basic science (instrumentation, chemistry, data analysis). Tracers produced for clinical research studies include 18F-Fluoride, 18F-Fallypride, 18F-choline, 11C-choline, 11C-methionine, 18F-FLT, 64/61Cu ATSM, 18F-FMISO, 13N-ammonia and 15O-water, as well as other novel radiotracers and standard PET tracers (eg. FDG) are being utilised for research protocols in cancer staging, radiotherapy planning and response monitoring. Medical and scientific staff make regular contributions at major international conferences and to leading journals on imaging related topics.

**Divisional Addresses & Contact details**
The Division has labs and offices in the Lambeth Wing, North Wing and South Wing of St. Thomas’ Hospital.

<table>
<thead>
<tr>
<th>Division</th>
<th>Facilities and Estates</th>
<th>Administration and Space</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lambeth Wing, 3\textsuperscript{rd} Floor</strong></td>
<td>Fiona Sutherland 020718 81098</td>
<td>Anca Gourlay 020718 88299</td>
</tr>
<tr>
<td><strong>Lambeth Wing, 4\textsuperscript{th} Floor</strong></td>
<td>Fiona Sutherland 020718 81098</td>
<td>Rob Tolhurst 020718 85440</td>
</tr>
<tr>
<td><strong>North Wing, 4\textsuperscript{th} Floor</strong></td>
<td></td>
<td>Verity Birch 020718 87188 ext 52503</td>
</tr>
<tr>
<td><strong>South Wing</strong></td>
<td>Elizabeth Gardner 020718 89145</td>
<td>Elizabeth Gardner 020718 89145</td>
</tr>
</tbody>
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KCL Facilities

Health and Fitness
There is a staff gym located next to St. Thomas’ library (near the Evelina Children’s hospital). This is open to all KCL and Trust employees and students. The cost is £15 per month. You will need your payroll details or student number to join, which can be done at the gym reception. There is a swimming pool and gym at Guy’s Campus. This is open to all staff and students. Details can be found here


Further information on sports at King’s College London can be found here
http://www.kcl.ac.uk/campuslife/sport/index1.aspx

Secure bike store
There is covered secure parking in the St Thomas’ car park, a security pass needs to be arranged. Please speak to someone at the hospital security desk (main reception) for more information.

Library
Information on King’s College library catalogues can be found here

http://www.kcl.ac.uk/library/help/librarycatalogues.aspx
Web of Science
To search for references the "Web of Knowledge" is a useful tool [http://wok.mimas.ac.uk/]. To access the Web of Science, you will need an Athens user ID and password which you receive along with your email account details.

Online Journals
Online access to journals is available via the following link: [http://sfx.kcl.ac.uk/kings/az]

Campus Maps
Campus maps can be found here [http://www.kcl.ac.uk/campuslife/campuses/download/index.aspx]

Shuttle bus between sites
There is a staff shuttle bus service available for travel between Guy’s and St Thomas’. Three minibuses will provide a continuous ‘turn up and ride’ service from 7.00am to 8.00pm Monday-Friday, with buses arriving approximately every 10-15 minutes.

Places to eat at St Thomas’
Places to eat within St. Thomas’ hospital:

- AMT Coffee Naturally
  - Location: St Thomas' main entrance
  - Open: Monday - Friday: 8am - 8pm, Saturday - Sunday: 9am - 6pm
  - Discounts with a valid an ID card
- M&S Simply Food and Café
  - Location: St Thomas' main entrance
  - Open: Monday - Friday: 8am - 8pm, Saturday - Sunday: 9am - 6pm
- Shepherd Hall restaurant – staff discounts available:
  - Location: Ground floor, South Wing
  - Open 7.30am-3.30pm, Monday-Friday
Discounted menu with ID card:
http://gti/services/capitalestates/operationsgroup/catering/Restaurants/ShepherdHall.aspx

- Toms
  - Location: ground floor, Lambeth Wing
  - Open: Monday - Friday: 8am - 3pm
  - Discounts with a valid an ID card

**Induction**

The Department Manager will go through the College induction process with you. You will be introduced to your to local colleagues and facilities and you will be required to familiarise yourself with college procedures in the Divisional Handbook and on the College website. You will also need to collect the following:

**College Membership Card**

The College membership card should be carried at all times whilst on College premises to help maintain proper control of personal and building security. Once your details have been entered onto the Human Resources system, your details can be collected the next working day from Waterloo Campus Franklin-Wilkins Building, Prayer room, extension 3803 10:30-11:00 and 15:30-16:00, Monday to Friday

Once you have your college card you will need to have the relevant access rights added. You will need to agree with your line manager/department manager/divisional manager what level of access should be added to your card. This information should be emailed or taken to the Division’s Technical & Security Manager, Fiona Sutherland (Fiona.sutherland@kcl.ac.uk, ext 81098) who is based in the Rayne Institute, 4th floor Lambeth Wing, who will add your access rights to your card.

**College Email**

Standard King's email accounts are automatically available for qualifying students and staff. Students receive details of their email accounts at enrolment. Staff who are on the King’s payroll have their accounts created by HR and can obtain their login details from the Enquiry Services help desks after 2 working days. Staff will be given a K number and details of how to activate their account. Staff who are not on King’s payroll (inc. GSTT staff) will need to apply for an affiliated staff account. Students and staff who have mislaid their email login details will need to email the IT Help Desk.

IT Services ensure the College network is protected and can provide you with advice in how to identify security risks, and guidance on the steps you can take to protect yourself, your information and the College. Please see the [internal IT security web pages](http://staffonly) for more information.

**Health & Safety Induction**

Please read and make yourself aware of the [College's arrangements for protecting your health and safety](http://staffonly) whilst you are working at King’s. The Health & Safety team provides comprehensive environmental, health and safety services to minimize health and safety impacts to the campuses and the greater King’s community. Details of the required Divisional Health and Safety can be found
You will also be required to attend a Health and Safety Induction, which can be booked through David Thakor, the local Health and Safety Officer (for more details see below).

All new staff are encouraged to attend the Welcome to King’s session, which is focused on helping new staff gain an insight and understanding of King’s as well as providing attendees with an opportunity to meet and interact with the senior officers of the College. If you would like to attend, please make a booking via our Skills Forge website. New staff are also encouraged to carry out the Induction exercise which is a user-friendly exercise designed to help you to find your way to the key services and people at King’s.

Perinatal Staff: Within your first week in the department you must arrange to meet with Devinder Mehet for half an hour to discuss with her the nature of your work. She will then issue you with the relevant checklist and explain to you the courses you will be required to attend. You keep the checklist as your own record, but each time you complete a training course you must inform Dee so that she can add it to her central training database.

Within your first week a meeting will be arranged with your Head of Department, who will welcome you to the Division.

Useful information for new starters can be found on the College webpages. A full list of employment conditions and benefits can be found here.

**College Policies**

**Confidentiality, Data Protection & Information Governance**

Scientific research is conducted in a very competitive world. Free discussion of ideas and problems within the lab is very much encouraged within the Division. However, you should be very careful when talking to people who do not work in the lab (including people who used to work here, but have since left). Avoid discussing any of your work that isn't ready for publication, and don't discuss the work of anyone else in the lab without checking with that person first.

The great majority of the data you come into contact with will normally be anonymised, i.e. there will be no patient name or address with the data. If you do come across patient names and addresses, you are required to keep these confidential. Whether anonymised or not, all patient and volunteer data must be treated confidentially and should not go out of the Division unless special arrangements have been made. If you come in to contact with patients or patient data during your job you will require an NHS honorary contract to be issued to you (see below).

Everyone in the Division, including clinical, non-clinical, administrative staff and students, must be familiar themselves with the College’s standard operating policy for data protection and information governance. Everyone in the Division is required to sign this form (including the second form for those in clinical roles) indicating that they have read and understood the SOP and will adhere to its policies. The signed forms should be returned to any of the Departmental Managers or Louise Tiemens who will keep these records.
KHP Passports & Honorary Contracts

Honorary NHS contracts are required for all College staff who come into contact with patients or patient data. The type of contract will depend on your position:

- Staff = KHP Passport
- Students = Authorisation from GSTT R&D
- Visiting staff & students = Honorary contract (medical, non-medical or observer)

HR will be informed in advance if you require one of these. You will be sent information on how to apply for Occupational Health and a DBS check. If your role changes and subsequently you are required to view non-anonymised patient data you must ensure that an appropriate contract is put in place.

Working hours

Within the Division there is flexibility on the hours you work during the day. Based on your own circumstances and your job requirements, your ‘usual’ working hours must be discussed and agreed with your supervisor soon after you start. If you would like to change your agreed hours, approval must be obtained again from your manager. As a general rule, you should be in the lab for the greater part of the "normal" working day unless you have made different arrangements with your supervisor. If you intend to work at home or spend a day at the library, you should also inform your supervisor.

Flexible Working - The College aims to provide a supportive environment for staff whose commitments outside the workplace are such that full-time employment for 52 weeks of the year is difficult. A range of resources and support to assist staff in preparing applications for flexible working can be found here.

Annual Leave

Annual leave must be agreed in advance with your line manager by e-mail. The college allows you to carry over 5 day’s holiday from 1 year to the next. These days must be taken in the first three months of the following holiday year and the appropriate form must be filled in and signed by your line manager. In certain circumstances, and at the discretion of your line manager, more days may be carried over. Please refer to your individual contracts for your annual leave entitlement. If you are going to be absent from the lab for any other reason apart from annual leave (e.g. visiting library, conferences etc) you must obtain approval from your line manager.
**Sick leave**

If you are unable to attend work due to illness you must notify your departmental manager as soon as possible on the first day of your absence. If you are unable to contact your line manager, you must ensure a message is passed on to your line manager via another member of your team or the admin team. If you are absent due to illness for a period of 4 or less days you are required to self-certify by filling in a sickness form (available from Mick Barnes). If you are absent for a period of 5 days or more you are required to fill in a sickness form and provide a doctor’s note to your line manager.

**Appraisals**

Appraisals are carried out annually with your supervisor. A record of what was discussed must be written and agreed by both yourself and your line manager in order for it to be reviewed. The appraisal process provides an opportunity to review performance in your current position, and establish how the college can help you progress upon your chosen career path. The appraisal process is not linked to pay. If you would like to understand more about the appraisal process, a course is available. [http://www.kcl.ac.uk/about/structure/admin/pertra/internal/appraisal/](http://www.kcl.ac.uk/about/structure/admin/pertra/internal/appraisal/)

**Promotion**

Applications are invited annually from members of clinical and non-clinical academic staff wishing to be considered for promotion to Senior Lecturer, or for conferment of title to Reader or Professor. Three categories of promotion are available: Senior Lecturer, Reader and Professor. Within each category a number of criteria will be applied by the Committee. The onus is on applicants to highlight all relevant information to strengthen their application. Promotion is not awarded for length of service alone, or for the competent performance of normal duties. Applications for promotion will need to be supported by your line manager and the Head of the Division. Full details can be found here.

The School will be providing a number of ‘Promotion Roadshows’ to provide more information on the process to all academics. Please contact your Departmental Manager for details.

**Training & Staff Development**

King’s College London is committed to enhancing and developing the careers of its staff and PhD students. The college runs a number of internal courses intended to build upon your existing skills (e.g. advanced word and excel courses) and also personal development courses (e.g. finishing your PhD and effective time management). If you are interested in or require further training, please refer to the courses available via link below and identify, with your supervisor, which courses would be most beneficial. Further guidance training and development can be found on the College’s webpage here.

**Staff Benefits**

King’s employees can enjoy a number of staff benefits, including a season ticket loan Cycle to Work scheme, library services and King’s Sport. Full details of these benefits with information on how to apply can be found here.
Parents’ Factsheet
A factsheet has been created as part of the Divisions’ commitment to Athena SWAN designed to provide background information and links to the College’s HR policies for staff members with children and/or for those thinking of starting a family. A hardcopy will be attached to your handbook and an electronic copy can be found on the Division’s webpage.

Equality and Diversity
King’s is committed to promoting and developing equality of opportunity in all areas of its work. This involves embedding equality and diversity issues into every aspect of the College’s activities. Please refer to the college website for further details on College policies and plans on Equality and Diversity.

The College also has a dedicated Disability & Dyslexia Service in Student Services that provides information and support to staff and students with disabilities.

Policy Zone
For further information on College policy please refer to the College Policy Zone – the repository of strategies, policies, procedures, guidelines and other core documents which determine how the College is governed and managed. http://www.kcl.ac.uk/college/policyzone/

Divisional Procedures & Policies
Travel & Conference booking
Approval from your line manager must be gained and the source of payment must be identified and agreed before any conference arrangements are made. Claims can be made for the costs of flights, hotel and meals (conference days only). The conference and travel booking form (available from your admin team) must be completed and signed prior to booking. If booking with your own credit card, expenses can be reimbursed via an expense claim form (see below) – all receipts MUST be provided.

Travel Insurance
The college will arrange insurance cover for business trips. Please go the link below and download the annual certificate. You no longer need to complete a form.

Purchases/Expenses
Purchases
Purchases must be agreed in advance with your line manager and/or the Divisional Manager and an order form (available from your admin team) must be completed and signed off.

Expense claims
All claims for reimbursement of expenses must relate only to those expenses incurred wholly, exclusively and necessarily in the proper performance of College duties and should be in accordance with College guidelines.

Expense claim forms must be completed and include all relevant receipts. Both the original form and an electronic copy should be passed to your department manager for processing. Payment is usually
received into your bank account within 2-3 weeks of application. Forms can be found here: https://internal.kcl.ac.uk/about/ps/finance/ap/ap1.aspx#RT1

You can be reimbursed from petty cash for smaller items that you may have bought on college business e.g. travel to meetings. Please provide a receipt for your purchase to Mick Barnes who will reimburse you.

**Divisional Seminars**
A mixture of clinical and technical talks from eminent speakers in the imaging sciences and biomedical engineering community, seminars are held once a month on Tuesdays, 12.00-13.00 in the Large Seminar Room (4th floor Lambeth Wing). Information about upcoming seminars will be emailed to all members of the division one week beforehand. Speakers are organised on a rota basis by the academics from each department. For Further information about these seminars please speak to Viviane Schroeder. All research members in the division are expected to attend these seminars.

**Health & Safety**
Information on a variety of topics is available on the King’s website. This is frequently updated.
http://www.kcl.ac.uk/about/structure/admin/safety/

**Staff Induction and Training**
Our Health & Safety general and laboratory Inductions are run on the first Monday of every month. Line Managers in laboratories, offices or workshops must ensure that all their staff receive full induction training of which health and safety is a part. New starters are invited to a mandatory health and safety presentation to help familiarize staff with KCL procedures and practices and to go through Health and Safety requirements, followed by a walk around to familiarize staff with the fire exiting procedure, the local safety notice boards and to introduce the local safety representatives. An induction checklist is available and tracks individual’s safety training history. Staff and students must ensure that they receive adequate training in the equipment and methods that they will use as part of their work. This may require them to attend internal and/or external courses.

**Current Safety Officers**
- Health & Safety officer and Biological Safety officer; Barry Crook ext.85437
- Radiation Protection Supervisor and Safety Induction Trainer; David Thakor ext.85437
- Fire Warden; Mick Barnes ext. 85441
- Magnetic Resonance Safety Advisor; Louise Tiemens ext. 54030
- First aid officers; Karen Shaw ext. 85437 Stephen Clark ext. 85437

**Fire Assembly Point**
The evacuation alarm is a continuous 2 tone siren, indicating an emergency or fire. The assembly point is outside the Lambeth Wing (ground floor) in the immediate area away from the building.

Our fire marshal is Mick Barnes and during normal working hours should it become necessary to evacuate he will tell you what to do and will see that people leave the building.
For Perinatal Staff: The department has four fire exits and the muster point is on the embankment next to the Millennium Garden. These will be shown to you on your first day in the department, at which point you will also be required to read and sign the Department Fire Plan. The fire warden for the department is Michelle Hetherington.

During the day, the only code required to enter the Department is that of the doors at the main entrance. The last person to leave in the evenings must also lock the inner door near the administration office and the door of Room 13. The door codes for these and that of the main entrance can be obtained from the admin team or your colleagues.

**Emergency Fire and Security Phone Number**
Dial 3333 from any internal phone
Dial 2222 for cardiac arrest assistance (i.e. hospital crash team)

**Security Out of Hours**
All Divisional labs and offices are swipe access only. The Security Guards at Gate 3 (ext. 83397) have over ride keys to all the swipe card units except the ones on the BSU. If a door malfunctions or you have either lost or forgotten your card contact them and they will let you in (proof of identity will be required). They also have instructions for accessing the security computer. Further details can be found on the staff notice board in the kitchen area. During the weekend you are unable to take the lift to the fourth floor of the Lambeth Wing, so please use the stairs.

**Administrative Support**

**Computer Support and Setup**
You will be provided with an account for email and for public access workstations on campus (PAWS) when you start (see new starters checklist within this handbook for more information). Davide Poccecai and Andrew Cantell, the Divisional IT Managers or Matt Munro and Soba Akinwunmi will provide you with account details for the computer you will use in the lab.

Davide and Andrew are responsible for the network and backing up of data and will provide IT support such as setting up your PC and email etc. They also look after the Divisional web pages and provide technical support for research.

If you are unsure, please do not try and fix any computer problems yourself, speak to Davide or Andrew for assistance.

**Computer Security**

The network security pages on the King's website provide a comprehensive guide to protecting your personal information and your computer. We urge you to visit these pages when you have the opportunity, as they contain important information to help you protect against a growing number of threats including viruses, spyware, scams, and unauthorised access.

[http://www.kcl.ac.uk/onespace/study/computing/security/](http://www.kcl.ac.uk/onespace/study/computing/security/)
Telephoning/Faxing

Telephoning
A list of Divisional telephone numbers is included in the appendix.

Dial 9 for an outside line.
To call a King’s number on another campus, dial 78 and then the extension.

Calls within Guy’s and St Thomas’ Hospitals are all treated as internal calls – i.e. you only need to dial the extensions. Hospital Pagers, please dial 757 and give the pager number and message to the operator. For internal bleep, dial 737- wait for the instructions then enter the bleep number followed by the extension and wait for the prompt.

Faxing
There are several fax machines within the department. These are located in the admin office and MRI office (4th floor Lambeth Wing) Dial 9 for an outside line and then the number required. National and international services are available. To receive a fax please quote 0207 188 5442. This can be retrieved from the 4th floor admin office (Lambeth Wing).

Post
Parcels and items that need to be signed for are delivered to the 4th floor admin office throughout the day. General mail for the division is brought to the 4th floor admin office where it is left in the alphabetized pigeon holes. It is your responsibility to check this area for your mail.

Trays for outgoing (internal and external) mail are located in the 4th floor post room (Lambeth Wing). External post will be sent standard second class unless you specify otherwise. Please talk to your admin team about items that require special postage or for items that need a courier.

Meetings
The Division has several internal meeting rooms that can be booked via the electronic diary. Please contact a member of your admin team to do this. These include:

- 1st Floor, South Wing - Perinatal Imaging Seminar Room, Perinatal Imaging Meeting Room.

There are a number of meeting rooms that you can book manually via the diaries in the 4th floor postroom (Lambeth Wing). These include the large (large diary) and small (small diary) seminar rooms on the 4th Floor, Lambeth Wing.

Further rooms (which may incur a charge) can be booked throughout the college online via this link: https://www.kcl.ac.uk/about/structure/admin/facser/facilities/roombook/

Purchasing

Stationery
The stationery cupboards are located outside the 4th floor admin office, these are regularly stocked. If you can’t find what you need please speak to Jolanta Hernik within the Admin Team about your
requirements for inclusion on the regular stationery order. All stationery must be ordered through the college system.

**Other purchases**
All purchases that you need to make (including anything you pay for yourself and want to claim back) must be approved in advance by either your line manager or the Divisional Manager. An order form (available from Mick in the 4th floor admin office) must be filled out and approved and the source of payment identified and agreed before any purchases are made. Please ensure that the source of payment is on the order form or it will not be signed.

**MRI bookings**
There is an online e-diary for MRI Guy’s and 3T research scanners managed by Mick Barnes which you will need a login for (see Davide Poccecai, Systems administrator). In the meantime, liaise with Mick Barnes or Lucy Hewett regarding bookings. Currently Thursdays are taken up by a regular booking on both scanners.

If you are scanning patients or volunteers and need radiographer help please arrange this with our radiographers – Annette Dahl and Steven Sinclair (x 88997)

Study consent forms and information sheets for healthy volunteers are kept in a folder in the scanner control room. A consent form should be filled in and signed by a volunteer each time they are scanned. If you are scanning patients a consent form and information sheet should be arranged for the study before scanning. See the ‘Before you scan checklist’.

The radiographers have a supply of MRI safety questionnaires that must be filled out before entering the scanner room for the first time.

**Research Support**

**Funding**
For help and advice with all grant applications, please contact our Research Coordinator, Pamela Mellen, Tel: 020 718 88364 The Division’s Research Coordinator can assist with the grant application process. Once the decision has been made to apply for a grant please contact the Research Coordinator, ensuring you have the following information:

- The name of the grant
- The submission date of the application
- The staff that will be associated with this grant
- The planned start date and duration
- Whether or not it will be a clinical trial
- Whether or not an NHS Trust will be involved (staff, patients samples, data, facilities etc.)
- Whether or not the project will involve a College Facility (BSU, MRI Scanning etc), including staff to be paid from the grant, along with any PIs or senior investigators and the percentage of their time that will be allocated to the work.

In order to be properly supported by them the timelines below are advised:
2-3 weeks before the deadline – peer review; the amount of time will depend who is reviewing your application (this allows time to make the recommended changes)

2-3 weeks before the deadline – editorial review; this includes proofreading for clarity, grammar, etc.

2 weeks before the deadline – obtaining staff costings

1 week before the deadline – completing the RGA; you will need to provide external staff costs and non-staff costs

3-5 days before the deadline – online submission, where appropriate, the Research Coordinator can check your finances and other details on systems such as Je-S (for EPSRC and MRC), NIHR and other large funders with more complex submission process

**Ethics Approval**

All research studies involving human participants require ethical approval. These include studies with healthy volunteers and / or accessing personal information, including using the e-diary for the scanner. The study must also have Trust R&D approval prior to commencing. (see below)

Prior to all ethics submissions, you must speak to the clinical project manager, Devinder Mehet (devinder.mehet@kcl.ac.uk). They will provide advice and support with regard to the submissions process and keep a register of all ethics applications.

Ethics applications are made through the Integrated Research Application System (IRAS). For all studies, a Site File must be maintained (paper form) which contains all documentation relating to the study.

You should provide the clinical trials and research coordinator, Dorothee Boisfer (Dorothee.boisfer@kcl.ac.uk) with: 1) A copy of the submitted IRAS application (signed versions): 2) a copy of the ethics approval and any subsequent amendments, 3) location of site file and 4) designated responsible person for maintaining site file.

**R&D**

In order to get R&D sign off for your study you will need to provide the following information to R&D:

- Steve Keevil’s signature of approval
- Copy of grant letters
- Copy of ethics approval

Once R&D approval is obtained, every study will receive a site file. This contains a copy of all of the important documentation associated with the study (protocols, ethics approval, PIS, consent forms etc). These site files will be stored centrally, in the cabinet outside Reza’s office. It is the responsibility of every fellow to maintain their site file on a weekly basis and put a copy of every signed consent form in it. This will allow the research nurse to be in charge of uploading UKCRN recruitment data for all studies and to send recruitment information through to R&D on a monthly basis.

If you have any questions regarding R&D please contact Lucinda Braddick, Tel: 020 718 83052.
Teaching Support

BSc/MRes/MSc
The Division currently has five taught postgraduate programmes and two undergraduate degrees.

Masters programmes
- MSc in Medical Engineering & Physics
- MSc/Dip/Cert in Nuclear Medicine: Science & Practice
- MSc in Radiopharmaceutics & PET Radiochemistry
- MRes in Medical Imaging Sciences
- MRes in Clinical Imaging Research

Undergraduate Degree programmes
- Intercalated BSc in Radiological Sciences
- BEng in Biomedical Engineering (Due to start in September 2012)

PhD/MD
The Division has a large cohort of postgraduate research students involved in a variety of research areas. Our inter-disciplinary nature, and location within one of the major teaching hospitals in the UK, provides a unique environment for our focus on rapid translation of cutting edge research into the clinic.

Upgrade
Full time students are expected to transfer from MPhil to PhD status at 9 months from the date of their original registration. For part-time students this transfer should take place 18 months from their original registration. However, part-time students aiming for early submission are expected to upgrade by 12 months. MD students are also required to undertake a substantial review of work within the first year of registration. The procedures are very similar and include a report, presentation and viva.

Students are required to coordinate their upgrade viva. This will involve setting a date when both supervisors and an independent panel member are available. Guidelines for the Upgrade of Research Students from MPhil to PhD can be found online: [http://virtualcampus.kcl.ac.uk/vc/graduates/forms/common/UpgradeProceduresHealthSchools.pdf](http://virtualcampus.kcl.ac.uk/vc/graduates/forms/common/UpgradeProceduresHealthSchools.pdf)

Monitoring
Students must work with their Supervisors to complete and submit monitoring forms as required by the College. PGR students will receive automatic reminders when these reports are due. Monitoring forms must be signed off by the Divisions Postgraduate Coordinator, Dr Steve Keevil.

CPD
The School of Medicine and the Division run regular seminars and events. Please look out for circulars promoting these events.

For more information regarding the Divisions Teaching activities, including teaching opportunities please contact Verity Birch.

Key Contacts
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<th>Name</th>
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David Nordsletten 53214
David Thakor 85437 Rachel Clough 84970
Davide Poccecai 88367 Rachel Molloy 52503
Debashis Sarker 52376 Rafa Torres Martin De Rosales 88370
Deborah Childs 84988 Ralph Sinkus 53205
Denis Azzopardi 53612 Ran Yan 52876
Donald Sinclair 87445 Rashed Karim 53223
Emma Hardy 88366 Regina Vontel 53618
Eike Nagel 82845 Rene Botnar 88384
Elaine Woods 51636 Reza Razavi 84557
Elizabeth Gardiner 89145 Rick Southworth 88374
Emer Hughes 53618 Rita Nunes 53619
Emma Burke 88299 Rob Ekersley 88371
Emma Sperring 81498 Robert Johnstone 88372
Enrico Fantoni 88376 Robin Fortt 53643
Eshan Sharif-Panghaleh 53643 Rhiannon Beard 88376
Florian Kampmeier 88370 Roman Wesolowski 82688
Francesco Padormo 53623 Rowena Paul 51867
Gareth Ball 53619
Gary Cook 88378 Safiyah Khwaja 81492
Geoff Charles-Edwards 80133 Saheli Dodhia 53617
Gerald Greil 85444 Sally Barrington 81694
Georgia Lockwood-Estrin 53623 Sarah Peel 88372
Gianlorenzo Fagiolo 53619 Serena Counsell 53616
Gilbert Fruhwirth 88370 Shaihan Malik 53636
Giovanni Montanna 82451 Sheba Adu-Kwaako 81499
Glen Blake 84117 Shena Jones 53618
Graeme Penney 53218 Sibhnan Hayes 87528
Greg Mullen 88366 Soba Akinwunmi 88380
Hans-Jorg Kuller Rabaca 52503 Soraia Vaz Osorio 81492
Helen Green 53207 Stacey Baker 81492
Henrik Hagberg 53621 Stephen Clark 85437
Hilary Toumin 53621 Steve Keevil 83054
Holly Warder 53623 Steve Sinclair 88997
Ignac Fogelman 84114 Sylvia Edwards 84102
Jack Lee 53216
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**Clinical Research fellows** | 52022 | **EP Researchers** | 88376 |
**PET staff** | 88377 | **Radiographers** | 88997 |
**Research Fellows/PhD students** | 88388/88386/88380 | **Hot Laboratory** | 88394 |
**Imaging Chemistry Laboratory** | 88395 | **Tissue Culture Laboratory** | 88396 |
**Pre-Clinical Imaging Laboratory** | 88397 | **3T MRI** | 88391 |
**3T MRI** | 88392 | **3T Preparation Room** | 88393 |
**PET Imaging lab** | 88504 |

**Useful contacts**
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- Peter Charie | 786655 | Senior Research Administrator
- Colin Hutchinson | 786657 | Research Accounts Officer
- Fiona Sutherland | 81098 | Technical Manager
- Pamela Mellen | 88379 | Research Grants and Contracts Associate
- Kuet Liew | 86654 | Research Grants and Contracts Associate