Faculty of Radiologists
Royal College of Surgeons in Ireland

Higher Training Programme

2016
Job Descriptions
HIGHER TRAINING POST IN PAEDIATRIC RADIOLOGY

OUR LADY’S CHILDREN’S HOSPITAL, CRUMLIN.

2 sanctioned Fifth year SPR positions.
6 or 12 month posts.

OLHSC is the largest paediatric tertiary referral hospital in the country (243 beds), offering many specialty services. It is the National Referral Centre for paediatric oncology/haematology, cardiology, cardiothoracic surgery, genetics, and hepatology, with very busy units serving neonatal and general paediatric surgery and urology together with orthopaedics, neurology, respirology, neonatology and infectious diseases amongst others. Our busy A/E department sees over 30,000 children per annum.

The Radiology department has 5 (4.7WTE) paediatric radiology consultants, and over 20 radiographers. A dedicated principal grade physicist is on site. More than 49,000 examinations are performed each year. Our department has undergone major redevelopment, with a new building housing a Siemens 1.5 T Avanto MRI scanner; a new Philips Skylight gamma camera, and a new Philips 128 slice CT scanner. We have a Siemens Axiom Iconos pulsed fluoroscopy unit, three Ultrasound rooms (Hitachim Sequoia), a mobile ultrasound unit, three general rooms and biplane angiography.

We are part of the NIMIS PACS network.

During their rotation with us, the specialist registrar(s) will gain experience in all aspects of paediatric radiology. They will be rostered to participate in all of the imaging modalities, under close supervision of the consultants. They will be expected to have close interaction with the paediatric medical and surgical teams. They will organise and present material at the multidisciplinary conferences. They will partake in teaching their paediatric colleagues, at both undergraduate and postgraduate level. They will participate on the on-call roster, again under close supervision of the consultants who carry out the first on call duties.

They will have at least one protected research session per week and will have full access to the extensive library and other facilities of the Children’s Research Centre. They will be expected and encouraged to submit their research findings to national and international meetings.

For further information please contact:

Dr C Brenner
Consultant Paediatric Radiologist.

Email clare.brenner@olhsc.ie
Breast Imaging – 6 months (Two 6 months posts available)

Breast Imaging

BreastCheck, The National Cancer Screening Program and University College Hospital Galway invite applications for 5th year posts on the National Training Scheme in Breast Imaging, overseen by the Faculty of Radiologists.

University College Hospital Galway, has a strong reputation in the diagnosis and management of breast cancer. It has been identified as one of the eight centres of excellence in quality by the National Cancer Control Programme. BreastCheck West and Breast Symptomatic Unit at University College Hospital Galway, together diagnose over 350 new patients with breast cancer on campus each year.

A well established multidisciplinary team functions within both units and have access to all of the state of the art facilities necessary to deliver a modern day ‘all inclusive’ breast care service. The specialist registrar in breast imaging is an integral part of the team and has exposure to a large volume of patients with breast cancer and benign breast disease. This position allows for intense training which leads to a strong confidence in diagnosing and managing women with breast disease.

This new position offers 6/12 months specialist registrar training in breast imaging within both the screening and symptomatic service. Under the auspices of 5 Consultant Radiologists with specialist training in breast imaging, this post will ensure the development of subspecialty skills in all aspects of digital mammography including radiographic interpretation, breast ultrasound, breast MRI, sentinel node mapping, quality control and breast interventions – wire-guided needle localisation, stereotactic and ultrasound guided core biopsy. Emphasis will be placed on the multidisciplinary approach to the management of breast cancer, including active involvement in multidisciplinary case conferences and triple assessment clinics. The successful candidate/s will be expected to actively participate in the research programme in both the screening and symptomatic breast units.

The position will comprise of 2 days of screening breast imaging in BreastCheck, 1.5 days of symptomatic breast imaging in the Symptomatic Unit, 1 day of general radiology and .5 day of academic time. Participation in the on-call rota is expected.

For further information please contact:

Dr. Aideen Larke, 
BreastCheck Western Unit, 
Newcastle rd, 
Galway. 
aideen.larke@breastcheck.ie

Dr. AnnaMarie O’Connell 
Local Training Coordinator, 
University College Hospital, 
Galway, 
AnnaMarie.OConnell@hse.ie

Ph: 091-580600
St. Vincent’s University Hospital/Dublin Academic Medical Centre

5th Year Specialist Register Training Post in Interventional Radiology and/or Cardiovascular CT/MRI

Background: St. Vincent’s University Hospital is a 500-bed teaching Hospital affiliated to the Dublin Academic Medical Centre. The hospital serves the population of South-East Dublin and is a secondary and tertiary centre for medical and surgical specialties in the region. Established patient referral bases include St. Michael’s Hospital, St. Luke’s Hospital, Holles Street Maternity Hospital and the Royal Victoria Eye and Ear Hospital. There are 17 consultant radiologists and 13 registrars. The clinical referral base includes Breast, Endocrine and General Surgery, Colorectal Surgery, Hepatobiliary and Pancreatic Surgery, (including the National Liver Transplant Unit and National Pancreatic Surgical Center), Vascular Surgery, Urology, Orthopaedics, Thoracic Surgery, Gynaecology, ENT, Gastroenterology, Hepatology, Neurology, Endocrinology, Rheumatology, Medical Oncology and Haematology, Radiation Oncology, Cardiology, Respiratory Medicine (including the National Cystic Fibrosis Unit), Ophthalmology and Emergency Department.

Training and Responsibilities: The registrar will work in a fully equipped Radiology Department with three Siemens interventional rooms (Siemens Axiom Artis dTA, Siemens Axiom Artis dMP, and Siemens Polystar) with integrated ultrasound, under consultant supervision, performing both vascular and non-vascular procedures. The vascular procedures include angioplasty, stenting (including AAA repair), thrombolysis, chemoembolization, embolization, TIPS and transjugular liver biopsy, IVC filter insertion and retrieval and all forms of venous access. Non-vascular interventional procedures include biopsy, abscess drainage, nephrostomy and ureteric stenting, biliary drainage, biliary stenting, gastrostomy, gastro-jejunostomy, vertebroplasty and image guided radiofrequency ablation. Patient assessment pre-procedure, management of complications and post-procedure follow-up are important aspects of modern interventional radiology and are emphasized during training. It is expected that the registrar will take a leading role in coordinating all activity in the interventional area. The registrar will also attend clinical-radiologic conferences in all relevant sub-specialty areas. The successful candidate will participate in the on call rota.

The Cardiac CT and MRI program is centered on two 64-slice Cardiac CT scanners (Siemens Sensation 64) and a cardiac MRI scanner (Siemens Avanti) with wireless 8-channel surface coil. The cardiac CT program covers all aspects of cardiac CT, including coronary evaluation of low-intermediate pre-test probability patients with chest pain, coronary artery bypass graft evaluation, coronary anomalies, triple-rule-out cardiac CT for the evaluation of PE/dissection/coronary artery disease, cardiac masses (metastases and primary tumors), coronary stent evaluation, congenital heart disease in adults and pre-ablation pulmonary vein imaging. The cardiac MRI program covers all aspects of cardiac MRI, including cardiomyopathies, viability studies, cardiac masses (metastases and primary tumors), phase velocity quantification flow studies, congenital heart disease evaluation. A particular emphasis is placed on
consultant-led research project publication for the successful candidate based on cardiac CT/MRI.

**Academic Status:** St. Vincent’s University Healthcare Group, Mater Misericordiae University Hospital, and University College Dublin form the Dublin Academic Healthcare Centre. The post will include a teaching commitment at both undergraduate and postgraduate levels. The Department has a commitment to an active research program with a wide range of ongoing research projects. The successful candidate will be expected to actively contribute to the ongoing research. Up-to-date library, computer, digital image manipulation and Internet access facilities are all available within the Department.

Candidates who wish to visit the department should contact: Dr. Eric Heffernan, Consultant Radiologist, St. Vincent’s University Hospital, Elm Park, Dublin 4 [email: e.heffernan@st-vincents.ie]
St Vincent’s University Hospital/Dublin Academic Medical Centre

5th Year Specialist Register Training Post in (CT, MR, US and/or Radioisotope) Imaging

**Background:** St. Vincent’s University Hospital is a 500-bed teaching Hospital affiliated to the Dublin Academic Medical Centre. The hospital serves the population of South-East Dublin and is a secondary and tertiary centre for medical and surgical specialties in the region. Established patient referral bases include St. Michael’s Hospital, St. Luke’s Hospital, Holles Street Maternity Hospital and the Royal Victoria Eye and Ear Hospital. There are 14 consultant radiologists and 13 registrars. The clinical referral base includes Breast, Endocrine and General Surgery, Colorectal Surgery, Hepatobiliary and Pancreatic Surgery, (including the National Liver Transplant Unit and National Pancreatic Surgical Center), Vascular Surgery, Urology, Orthopaedics, Thoracic Surgery, Gynaecology, ENT, Gastroenterology, Hepatology, Neurology, Endocrinology, Rheumatology, Medical Oncology and Haematology, Radiation Oncology, Cardiology, Respiratory Medicine (including the National Cystic Fibrosis Unit), Ophthalmology and Emergency Department. The department has been fully digitized since July 2006.

**Facilities:** There are two 64 slice MDCT scanners which perform annually in excess of 15,000 examinations, including biopsies and other interventional procedures. MRI is performed on a 1.5T Siemens AVANTI system. There are nine ultrasound units providing examination including abdominal, pelvic, endocavitary (endoanal and transvaginal), musculoskeletal, vascular and small parts imaging. Over 1000 ultrasound-guided biopsies performed annually. In the radionuclide section there are two dual-headed and one single headed gamma camera. All types of scintigraphic examinations are undertaken, including lymphoscintigraphy and pharmacological myocardial perfusion stress testing. The department has access on a sessional basis to PET-CT at Blackrock Clinic.

**Training and Responsibilities:** The successful candidate will select one or more imaging modalities of interest on which they will concentrate. There are many opportunities to sub-specialize into one or more areas of interest in our Department of 14 consultants. Specialist areas within the group include Nuclear Medicine and PET/CT, Lung Cancer, Prostate Cancer, Cystic Fibrosis, Hepatobiliary and Pancreatic imaging and Musculoskeletal Imaging. They will coordinate all aspects of provision of the imaging service in their chosen area in conjunction with the consultant radiologists, including the prioritization, protocling and reporting of examinations. Participation in daily clinicoradiological conferences is expected. The successful candidate will participate in the on call rota.

It is expected that the successful candidate will be involved in the organization, structuring and presentation of MDTs. This involvement will provide high volume exposure to specific cancer imaging.

**Academic Status:** St. Vincent’s University Healthcare Group, Mater Misericordiae University Hospital, and University College Dublin form the Dublin Academic Healthcare Centre. The post will include a teaching commitment at
both undergraduate and postgraduate levels. The Department has a commitment to an active research program with a wide range of ongoing research projects. The successful candidate will be expected to actively contribute to the ongoing research. Library, computer, digital image manipulation and Internet access facilities are all available within the Department.

Candidates who wish to visit the department should contact: Dr. Eric Heffernan, Consultant Radiologist, St. Vincent’s University Hospital, Elm Park, Dublin 4 [email: e.heffernan@st-vincents.ie]
St. Vincent’s University Hospital

5th Year Specialist Register Training Post in Breast Imaging

With the introduction of the cancer control programme and the establishment of 8 specialist centres for the diagnosis and treatment of breast cancer, there is potential for training in breast imaging interpretation and intervention in highly specialized units. The post is a one year post for specialist training in this field. The posts are linked between St. Vincent’s University Hospital and BreastCheck.

Background Information:
St. Vincent's University Hospital has a large symptomatic breast clinic. Women are referred from the surrounding areas of South-East Dublin but the clinic also acts as a secondary and tertiary referral centre. There are approximately 250 new breast cancers diagnosed annually through the symptomatic clinic in St. Vincent’s University Hospital. There are also a large number of outpatient attendances for benign conditions. There is a multi-disciplinary team of surgeons, radiologists, pathologists, radiographers, breast care nurses and many other staff who have a special interest in the diagnosis and treatment of breast cancer. There is also the National Breast Screening Unit on the campus. The unit has an eligible population of 70,000 on a two yearly screening cycle. Approximately 200 breast cancers annually would be expected in the prevalent round of the breast screening programme. The screening population will increase by 40% over the next 6 years due to age extension to 69 years old.

Academic Status:
The Registrar will be appointed to work within the service but also to engage in the very active research programme associated with the symptomatic breast cancer service. To this end a minimum of 10% academic time would be allocated to this post weekly. There will be opportunities to form research into both symptomatic and screen detected breast cancer.

Clinical Training:
There will be extensive opportunities in mammographic interpretation. There will be an opportunity to gain experience in symptomatic mammography but also to gain considerable experience in screen reading in the screening service. Both the screening and symptomatic units in St. Vincent's University Hospital have very high non-operative diagnosis of malignancy and there will be opportunities to gain experience in all aspects of image guided biopsy. Ultra-sound and stereotactic guided core biopsies are routinely performed. There are digital stereotactic units and state of the art ultrasound units both in screening and symptomatic service. Tomosynthesis has recently been introduced for assessment of screen detected abnormalities. Experience with tomosynthesis and tomo-biopsy will be included.

The training in non-operative diagnosis would take place in St. Vincent's University Hospital. There is a very committed multi-disciplinary team and the registrar would be expected to partake in the radiological pathological correlation of all image guided biopsies performed in the unit. The successful candidate would be expected to maintain general radiology skills in this post fellowship training period and would be expected to become actively involved in CT, ultra-
sound and MRI staging investigations of women with breast cancer. There is also an active Radio Nuclide Department and Sentinel Node is routinely performed.

The main commitment will be to acquire strength in breast image interpretation and intervention. The post includes an on-call commitment in line with the radiology training programme in SVUH.

Candidates who wish to visit the department should contact: Dr Ann O’Doherty and Dr Eric Heffernan

Dr Ann O’Doherty
Lead Clinical Director/Consultant Radiologist
BreastCheck Merrion Unit
Merrion Road
Dublin 4

Dr Eric Heffernan
Consultant Radiologist
St Vincent’s University Hospital
Elm Park
Dublin 4

ann.odoherty@cancerscreening.ie  e.heffernan@st-vincents.ie
St. James’s Hospital

St. James’s Hospital (SJH) is the largest acute hospital in Ireland and the major healthcare institution within the Trinity College health sciences network. Approximately, 27% of national cancer day case activity, and 11% of national cancer inpatient episodes take place at SJH. Moreover, it is a major cancer centre for the south Dublin population including the site of the recently opened Dublin South Regional radiotherapy facility. It is a supra-regional centre for many important cancers, including oesophageal, lung, head and neck, and gynaecological cancers (>25% of patients nationally for each of these cancer groups are treated in SJH - 63% of national lung cancer resections performed in SJH in 2010). It is the national centre for burns, maxillofacial surgery, haematology and coagulation disorders, and houses the National Medicines Information centre. It has supra-regional centres for TB, cardiothoracic surgery, infectious diseases, cardiology, and gastroenterology, in addition to the cancer services above.

Radiology Department

The department currently consists of 13 consultants and 12 trainees. Over 198,000 examinations were performed in 2011. Subspecialty interest in all major areas is catered for, including interventional radiology, musculoskeletal imaging, PET/CT and body imaging. The hospital is designated as European reference site for the Cerner PACS system with digital dictation and full integration with the hospital’s electronic patient record system.

There has been a significant investment in equipment in the department recent months with a new 64 slice Toshiba CT scanner, 2 new 16 slice SPECT CTs and the refurbishment of one of the interventional radiology suites to include full CT guided interventional capabilities. Additional equipment purchased and installed includes 2 new Philips 1.5T MRI, 3 new Philips ultrasound units. Existing equipment includes a further 64 slice CT scanners with full cardiac and perfusion CT capabilities, 7 ultrasound units (including dedicated portable and breast imaging ultrasounds), and 2 Siemens interventional rooms. The fully operational SJH PET centre contains a state-of-the-art GE PET scanner with 64 slice CT capability, together with a team of dedicated PET scientists. Functional imaging at the St. James’s site also includes a dedicated HRB-funded 3T MRI within the CAMI (Centre for Advanced Molecular Imaging), underlining the breadth of advanced imaging taking place in St. James’s.

Radiology Education and Training Opportunities at SJH

5 higher training positions are offered at St. James’s Hospital – typically these are offered as 1 year positions but a trainee requesting 2 separate 6 month rotations within the department will also be considered. Full participation in the on-call rota (currently 1 in 10) and at departmental conferences is expected.
Post 1: Specialist Registrar Training Post in Interventional Radiology

Personnel and Equipment
The successful candidate will work with the 4 interventional radiologists on site. Equipment includes 2 modern Siemens interventional rooms with dedicated portable ultrasound. A wide range of vascular, non-vascular and musculoskeletal procedures are performed. Cancer patients constitute a large proportion of the workload, including placement of vascular access for chemotherapy, treatment of non-resectable disease (chemo-embolisation, radiofrequency ablation), and management of complications (biliary and urinary stent placements). A visit to the department is encouraged to review our procedure lists. This busy year will comfortably equip candidates to perform at Consultant level once completed.

Fellowship Overview
The structure of the post involves 7 sessions interventional radiology, 1 session protected for research activities (more if research output justifies this) and the remainder as non-interventional sessions, spent in Ultrasound or CT with emphasis on the interventional aspect of the modality.

Research and Education
Research is encouraged within the IR department. A minimum 10% academic time is provided. The candidate will be expected to undertake at least one research project which will be mentored by the IR Consultant group. Full participation in the on-call rota and presenting at the various multi-disciplinary conferences is expected.

Academic Status:
The registrar will be appointed a Lecturer in the Department of Radiology, Trinity College Dublin. The post will consequently include a teaching commitment at both undergraduate and postgraduate levels.

Contact Details
Candidates who wish to discuss this position or visit the department should contact Dr Mike Guiney, Consultant Interventional Radiologist, St. James’s Hospital at mguiney@stjames.ie, Dr. Niall Mc Eniff, Consultant Interventional Radiologist, St. James’s Hospital at nmceniff@sjh.ie or Dr. Mark Ryan, Consultant Interventional Radiologist, St. James’s Hospital at mfryan@stjames.ie.
Post 2: Specialist Registrar in Research at the National Centre for Advanced Medical Research, SJH

**Personnel and Equipment**
The successful candidate will work with 14 radiologists on Site. The post will be shared between the National Centre for Advanced Medical Imaging (CAMI), SJH which has a Philips 3T MRI scanner and 2 of state-of-the-art ultrasound systems and SJH which has 2 64-slice CT scanners, 3 x 1.5T MRI’s, PETCT, the full complement of other other diagnostic equipment and a busy interventional radiology department.

CAMI has a wide range of ongoing research studies focusing on cardiovascular disease, cancer and neurodegenerative disorders, including:

- HIV cardiomyopathy
- Major Depression
- Schizophrenia
- ADHD
- Motor Neurone Disease
- Frontal Temporal Dementia
- Stroke
- Assessment of treatment response in Breast and Prostate Cancer
- Haemochromatosis associated cardiomyopathy.

**Fellowship Overview**
This a 1-year combined clinical-research post where the successful candidate will undertake a defined research project with the intention of submitting a MD thesis. The fellowship will involve the delivery of Radiology teaching modules and student mentorship at both an undergraduate and postgraduate level. Experience in body imaging, including: CT, MRI and US in adult patients will also be provided.

- 60% Research in focusing on MRI, CT, PETCT and US
- 20% Undergraduate Teaching and Mentoring
- 20% Cross Sectional (CT/MRI) and Ultrasound

**Research and Education**
Research will be primarily based in CAMI under the supervision of Prof. Meaney. The successful candidate will be expected to participate in the wide variety of teaching undertaken by the Radiology Department. Full participation in the on-call rota (currently 1 in 10) and presenting at the various multi-disciplinary conferences is expected.

The candidate will also participate in development of a multi-modality teaching App.

**Academic Status:**
The registrar will be co-appointed as Lecturer in the Department of Radiology, Trinity College Dublin.

**Contact Details**
Candidates who wish to discuss the position or visit the department should contact:
Prof. Jim Meaney Consultant Radiologist, St. James’s Hospital,
jmeaney@meaneys.com
Post 3: Specialist Registrar in Cross-sectional Imaging at St. James’s Hospital

Personnel and Equipment
The successful candidate will work with the 11 radiologists on site. Equipment includes 2 CTs, including 64 slice Siemens with full cardiac capability, 1.5T MRI and 5 ultrasound scanners. The department (through the SJH Cancer Clinical Trials Office) also provides core imaging analysis performed in the context of local and national clinical trials.

Fellowship Overview
The structure of the position involve eight sessions in MRI/CT under the direct supervision of Consultant Radiologists, with one plain film session. Close consultant supervision is provided with subspecialty expertise in body, chest and musculoskeletal imaging. A wide range of image guided procedures are performed, including daily dedicated slots for lung biopsy.

Research and Education
The successful candidate will be expected to participate in the wide variety of postgraduate teaching undertaken by the Radiology Department. Research and audit projects are actively encouraged within the department. A minimum 10% protected academic time is provided. Research will be primarily based in the main department, and there will be access to the 3T research MRI in the Centre for Advanced Medical Imaging on site. There is a newly appointed data manager in the department to assist with research activities. Full participation in the on-call rota (currently 1 in 10) and presenting at the various multi-disciplinary conferences is expected.

Academic Status:
The registrar will be appointed a Lecturer in the Department of Radiology, Trinity College Dublin. The post will consequently include a teaching commitment at both undergraduate and postgraduate levels.

Contact Details
Candidates who wish to discuss the position or visit the department should contact: Prof. Mary Keogan, Consultant Radiologist, St. James’s Hospital mkeogan@stjames.ie, or Prof. Jim Meaney Consultant Radiologist, St. James’s Hospital jmeaney@stjames.ie
Post 4: Cancer Imaging/PET CT Clinical and Research Fellowship at St. James’s Hospital

Personnel and Equipment
The successful candidate will work with 4 consultants with subspecialty expertise in PET CT interpretation. State-of-the-art equipment includes GE Discovery PET CT with 64 slice CT capability, 64 slice Siemens CT, and 1.5-T and research 3T MRI. The department (through the SJH Cancer Clinical Trials Office) also provides core imaging analysis performed in the context of local and national clinical trials. There is a dedicated data manager for the radiology department located in the PET CT centre.

Fellowship Overview
The SJH Cancer Imaging/ PET CT fellowship provides extensive experience in body imaging including PET/CT, MRI, CT, and US in adult patients with cancer. This is a 6 month or one-year position starting July 2010. Subspecialty training with a focus on PET/CT will be provided.

- Approximately 60% dedicated PET CT rotation.
- Approximately 30% clinical CT / MRI.
- Approximately 10% research PET/CT, CT, and MRI.

Research and Education
The Oncology Imaging Fellow will participate in the multi-disciplinary research activities of PET/CT, CT and MRI. Fellows will be expected to participate in various clinical research projects. Major areas of interest include evaluation of tumour metrics and whole body assessment of tumour response.

Participation in clinical conferences and on call rota is expected. Didactic teaching sessions are provided by SJH Radiology faculty, in addition to continuous on-site training, teaching and feedback.

Academic Status:
The registrar will be appointed a Lecturer in the Department of Radiology, Trinity College Dublin. The post will consequently include a teaching commitment at both undergraduate and postgraduate levels.

Contact Details
Candidates who wish to discuss the position or visit the department should contact: Dr. Ciaran Johnston at cjohnston@stjames.ie.
Post 5: Womens Imaging Clinical Fellowship at St. James’s Hospital

St James’s Hospital is one of eight specialist centres in breast care management and the national specialist centre for gynaecological disease as designated by the National Cancer Control Program. More than 600 breast and gynecological cancers are managed annually. The Breast unit manages not only symptomatic patients but offers the largest established screening programme for high risk patients with the greatest volume of Breast MRI examinations and biopsies performed nationally. Benign gynaecological conditions uniquely including specialist infertility management and investigation are performed and a close working relationship with the Coombe Womens Hospital sees regular input in the radiological diagnosis of acute peri and post partum disease.

Personnel and Equipment
The successful candidate will work with 6 consultants with subspecialty expertise in breast & gynaecological imaging plus will have exposure to common interventional procedures linked specifically to the gynaecology unit. State-of-the-art equipment includes 2 dedicated mammography units (tomesynthesis expected to be added in 2015) and breast ultrasounds / intervention. We offer the largest Breast MRI service in Ireland with weekly MRI breast biopsy access. Gynaecology patients are imaged on 4 MRI and 2 CT scanners with direct access to radiotherapy planning in the newly added SJH/ St Lukes unit.

Fellowship Overview
The appointed Specialist Registrar will participate in 3 symptomatic (TAC) clinics per week plus breast procedure sessions, working closely in conjunction with surgical and oncology colleagues. This involves all aspects of the work up of symptomatic patients including mammography, diagnostic and interventional ultrasound (US), vacuum assisted stereotactic guided biopsy and MRI guided biopsy. There will also be ample opportunity to read surveillance mammograms as part of high-risk patient management. Perioperative ultrasound guided and stereotactic guided wire localisation of tumours prior to wide local excision and assessment of specimen radiographs will form part of the training.

Through dedicated US and cross sectional sessions the candidate will be exposed to the spectrum of gynaecological disease treated and followed in Ireland. A strong commitment to the imaging of benign gynaecological conditions allows regular access and training in areas including HYCOSY, 3D TV US, Dynamic Pelvic Floor MRI and Fibroid MRI/ Embolisation. Exposure and participation in other Gynaecological Interventions such as Ovarian Vein Emboilsation, Tumour Embolisation, Post Partum Haemorrhag..etc will be facilitated.

Research and Education
The appointed trainee will also have the opportunity to present at the weekly breast and gynaecology MDMs and attend the management meetings to gain a better appreciation of the key performance indicators (KPIs) required to meet the standards established by the NCCP. There is a weekly dedicated breast research meeting and 10% dedicated research time (more if output demands this as per SJH).
Academic Status:
The registrar will be appointed a Lecturer in the Department of Radiology, Trinity College Dublin. The post will consequently include a teaching commitment at both undergraduate and postgraduate levels.

Contact Details
Candidates who wish to discuss the position or visit the department should contact: Dr. Susannah Harte at sharte@stjames.ie or Dr. Ronan Mc Dermott at rmcdermott@stjames.ie.
Beaumont Hospital offers the following positions as part of the Higher Training Scheme (5th year Registrar)

1. Clinical Tutor, Beaumont Hospital and The Royal College of Surgeons in Ireland (1 Post)

The above Clinical Tutor position in Radiology will be available in July 2015. The post is whole time and is a specialist registrar post, on the Faculty of Radiology Training Scheme in Ireland. This post will have academic time (2-3 days/week) devoted to teaching and clinical time devoted to the chosen specialty such as MRI, CT or a body section area such as symptomatic breast, chest, abdominal or musculoskeletal imaging or neuroradiology.

Job Description

**Job Title:** Clinical Tutor in Radiology  
**Reporting to:** Professor Michael J. Lee  
**Location:** Beaumont Hospital

**Objectives**

The objectives of this post is to provide teaching and related support to the Academic Radiology Department, to maintain and enhance the Undergraduate E-Learning work of the Department and to gain widespread experience in a chosen area of Radiology.

1. Organising the undergraduate radiology lecture programme.
2. Developing and maintaining an undergraduate e-learning programme in Radiology, reflecting the recent curriculum developed by the Faculty of Radiologists, RCSI. Training in e-learning techniques will be provided and the lecturer will have valuable expertise in this area at the end of the training period.
3. Organising daily workload and gaining experience in the chosen area of Radiology.
4. Helping to organize the undergraduate radiology-teaching programme with the Academic Head.
5. Maintaining the e-learning Radiology website for RCSI medical students, organizing cases for medical students OSCE’s and TOSCE’s.
6. Teach both medical students and training registrars in radiology as required.
7. Participate in the research activity of the Department as required. Research is a high priority within the Department and the lecturer will be expected to take up suggested research projects and complete them during the training period. Submission and presentation of papers at interventional meeting is also expected.
8. Complying with statutory legislation and Department rules and requirements in furtherance of your own and general staff welfare and safety.
9. Undergoing programmes of training and development as may be required from time to time.
10. Representing the best interests of the Department/College at all times.
11. Performing such other duties as may be required from time to time.
12. The possibility to complete a medical teaching diploma from RCSI

2. Lecturer (fellow) in Interventional Radiology, Beaumont Hospital and The Royal College of Surgeons In Ireland (2 Posts)

Two posts in Interventional Radiology will be available in July 2015. The posts are whole time and are specialist registrar posts, on the Faculty of Radiology Training Scheme in Ireland. Candidates should have completed their radiology training (4-5 years) and completed competency testing in diagnostic radiology.

Job Description

Job Title: Lecturer in Interventional Radiology

Reporting To: Professor Michael J. Lee

Location: Beaumont Hospital

The Imaging and Interventional radiology Department at Beaumont Hospital is equipped with 3 multislice CT scanners, 2 x 1.5 T MR and 1 x 3.0 T MR scanners, 2 new interventional suites with integrated US, dyna CT and targeting/tracking software.

Objective

The objective of these posts is to provide teaching and related support to the Academic Radiology Department, to contribute to the development of the Department, and to gain widespread experience in Interventional Radiology and clinical practice in IR.

Specifically the duties of this post include:

1. The gamut of Interventional Radiology procedures are performed at Beaumont, including: EVAR, carotid stenting, peripheral vascular intervention, renal and iliac stenting, renal denervation, thrombolysis, venous access and caval filters, trauma embolization, embolization for GI Bleeding and Hemothysis, chemoembolization and uterine artery embolization. A complete non-vascular interventional radiology service is also offered, which includes: Abcess drainage, biopsy, microwave ablation, biliary interventional, GU intervention and musculoskeletal intervention. The lecturer will be familiar with all of the above techniques on completing the year.

2. Clinical practice in interventional radiology is a vital ingredient in a complete IR program. Day case and inpatient beds are part of the IR service. Pre-procedure assessment, post procedure care and OPD follow-up will be an important part of the learning process.

3. Vascular Imaging eg CTA, MRA, Doppler will be emphasized during this year and the Lecturer will gain expertise in pre and post procedure imaging and clinical assessment.

4. Gaining practical and academic experience to pass the European Board of Interventional Radiology (EBIR)
5. Participating in the research activities of the Department as required. The department has a very active research program in IR with many publications in peer-reviewed journals and presentations to international meetings. The lecturer will be expected to take up a number of research projects and see them to completion during the training period.

If interested, further information can be obtained from Professor Lee at 353-1-8092831, e-mail: gobrien@rcsi.ie.
Cappagh & Mater Misericordiae University Hospital

Musculoskeletal Radiology Fellowship

The Mater Misericordiae/Cappagh National Orthopaedic Hospital offers a twelve month or two 6 month Year 5 specialist registrar training positions under the auspices of the Mater Misericordiae University Hospital, based primarily in Cappagh National Orthopaedic Hospital.

The department of Diagnostic Imaging in Cappagh National Orthopaedic Hospital has been recently refurbished and has recently installed overcouch digital fluoroscopy, direct and indirect digital general rooms with tomography, ultrasound, Dexa, C-arm, and a 1.5 Tesla Philips MRI. The department is a Beta research site for Philips MRI. The department currently performs 24,000 dedicated musculoskeletal examinations a year and is served by two consultant musculoskeletal radiologists.

The department offers 2 half-day musculoskeletal interventional sessions, during which arthrograms, bone biopsies, discograms, facet and epidural nerve root blocks and vertebroplasty are performed. The department offers one half-day session of dedicated musculoskeletal ultrasound employing the HDI 3500 with a high frequency hockey stick probe, a service which includes imaging of the shoulder, the extensor tendons of the ankle and ultrasound guided interventions including tenography.

In a research capacity, the department offers office space, a desktop computer, a digital camera, a laser printer, library facilities, meeting funding and secretarial support facilitating radiology training. Through the new MR facility, Philips medical systems, and Dublin City University, the department is actively involved in the development of whole body MRI, in the evaluation of fast imaging techniques and in the evaluation of diffusion imaging techniques in the extremities. The department is the primary focal point for the national orthopaedic osteoporosis research group actively involved in a multidisciplinary evaluation of imaging and new treatment in osteoporosis, using gold standard data yielded through ash scores.

It is anticipated that the appointed specialist registrar will receive full training in the interpretation of orthopaedic conventional radiographs, digital imaging, musculoskeletal ultrasound and MRI with 9 half day clinical sessions and one half day session for research. The appointed specialist registrar will be actively involved in all research projects and will attend the multidisciplinary sports medicine conference in the Mater Misericordiae Hospital once weekly, will attend the orthopaedic tumor conference one weekly in Cappagh, will attend the departmental teaching. An on-call commitment in line with the other radiology registrars in the Mater Misericordiae Hospital is also an integral part of this job.

For enquiries
Prof Stephen Eustace
Prof Eoin Kavanagh
Cappagh National Orthopaedic Hospital
Mater Misericordiae University Hospital

Advanced Imaging and Intervention Higher Year Training.

Commencing
July 2015 for a period of 12 months

Description

4 Sessions of Interventional Radiology per week (Dr. L. Lawler, Dr. T. Geoghegan, Dr. C. Farrelly, Dr. J. Murray)

3 Sessions PET-CT per week (Dr. M. O’Connell, Dr. C. Cronin)

2 Sessions Emergency & General Radiology per week (Dr. P. McMahon)

The Mater Misericordiae University Hospital

The Mater Misericordiae University Hospital is a charitable and voluntary hospital providing healthcare to Dublin’s north inner city and receiving referrals from throughout Ireland as The National Cardiothoracic and Spinal Unit. The hospital serves a local catchment area of approximately 185,000 people with 600 beds. The hospital is a University teaching hospital affiliated to University College Dublin.

Fellowship Structure

This position offers post-Fellowship Trainees further experience in all aspects of Interventional Radiology (Vascular, Non-Vascular, Musculoskeletal and Oncology IR) under the direct supervision of Consultant Radiologists with sub-speciality interests. There are two dedicated Siemens Interventional Rooms on site. The successful candidate will develop experience in all clinical aspects of Interventional Radiology including:

- Clinical peri-procedural care from admission to discharge of patients under the direct care of the Interventional Radiology service.
- Pharmacology in Interventional Radiology
- Risk-reduction in Interventional Radiology
- Radiation safety in Interventional Radiology
- Non-invasive imaging in Interventional Radiology
- Peripheral vascular intervention (carotid, aorto-iliac and peripheral revascularisation, angioplasty, stenting, thrombectomy, infra-popliteal revascularisation).
- Thoracic Stent Grafting
- Visceral artery intervention
- Venous Intervention (the management of dialysis access, vena cava filters, central venous stenting)
- Interventional Radiology in Women’s Health (uterine artery embolisation)
- Interventional Oncology (chemoembolisation, portal vein embolisation, radio frequency ablation)
- Non-vascular intervention (Hepatobiliary and renal intervention)
Musculoskeletal Interventional Radiology

Nuclear Imaging (PET-CT)

The position will also offer post-graduate Fellowship experience in all aspects of Oncology Imaging including PET-CT, MRI, CT and Ultrasound under the direct supervision of two Consultants with sub-speciality interest in Oncology Imaging.

Emergency Radiology

Research and Meetings

The Fellow will be closely involved in the co-ordination and presentation of the following:

Oncology Multidisciplinary Meetings (including Gynaecological and Urological Oncology) on a weekly basis.

Vascular Conference

The Fellow will be encouraged to attend National and International Meetings relevant to Interventional Radiology, Oncology and Emergency Radiology.

Research

The Department of Radiology at The Mater Misericordiae University Hospital has an active research program for both undergraduate and postgraduate students. The Fellow will be expected to become actively involved in Research projects during the year.

Teaching

The successful candidate will be involved in undergraduate and postgraduate teaching throughout the year.

Call

The Fellow is expected to participate in the on-call Roster for The Mater Misericordiae University Hospital.

Enquiries

Dr Leo Lawler, Consultant Interventional Radiologist,
Director, The Department of Radiology, The Mater Misericordiae University Hospital, Eccles Street, Dublin 7.
Telephone: 01-8032914.
Mater Misericordiae University Hospital
Breast Imaging – 6 months (Two 6 months posts available)

Breast Imaging

The Mater Misericordiae Hospital has a strong reputation in the diagnosis and management of breast cancer. It is one of the eight designated symptomatic specialist centres and one of the four designated screening centres in the country. Between the BreastCheck Eccles Screening Unit, National Breast Screening Programme and Symptomatic Breast Unit - BreastHealth, over 450 new patients are diagnosed with breast cancer on campus each year. A well established multidisciplinary team functions within both units and have access to all of the state of the art facilities necessary to deliver a modern day ‘all inclusive’ breast care service.

The specialist registrar in breast imaging is an integral part of the team and has exposure to a large volume of patients with breast cancer and benign breast disease. This position allows for intense training which leads to a strong confidence in diagnosing and managing women with breast disease.

This position offers 12 months special registrar training in breast imaging within both the screening and symptomatic service. Under the auspices of 5 Consultant Radiologists with specialist training in breast imaging, this post will ensure the development of subspecialty skills in all aspects of mammography including radiographic interpretation (digital mammography), breast ultrasound, breast MRI, (and also to include the training in MR guided breast biopsy), sentinel node mapping, quality control and breast interventions – wire-guided needle localisation, stereotactic and ultrasound guided core biopsy, wide bore suction biopsy technique, and ductography. Emphasis will be placed on the multidisciplinary approach to the management of breast cancer, including active involvement in multidisciplinary case conferences and triple assessment clinics. The successful candidate/s will be expected to actively participate in the established research programme that exists in both the screening and symptomatic breast units

The position will comprise of 7 sessions of breast imaging, 2 sessions of general oncology radiology and 2 sessions of academic time. The general component includes general U/S, CT, MRI and PET/CT. This allows expansion of the oncology theme of the job allowing access to state of the art equipment and specialist consultants. An on-call commitment in line with the other radiology registrars is also an integral part of this job.

For further information please contact:

Dr Fidelma Flanagan
BreastCheck
36 Eccles Street
Dublin 7
fidelma.flanagan@cancer Screening.ie
Ph: 01-8826244
Combined Breast Fellowship

Mater Misericordiae University Hospital, Dublin, Ireland

and

Sir Charles Gairdner Hospital, Perth, Australia

The proposed Breast Fellowship is a combined 12 month rotation with a 6 month attachment in Dublin and a 6 month attachment in Perth. It is hoped that such a rotation will help foster better links between the Irish and Australian Radiology training programmes. Extending the duration of the Fellowship positions to 12 months in Dublin and 12 months in Perth may be an option. This position is subject to identifying a suitable applicant from Perth to assume the reciprocal training post.

Summary Job Descriptions

Mater Misericordiae University Hospital

Breast Imaging – 6 and 12 month Specialist Registrar Post

The Mater Misericordiae University Hospital has a strong reputation in the diagnosis and management of breast cancer. It is one of the eight designated symptomatic specialist centres and one of the four designated screening centres in the country. Between the BreastCheck Eccles Screening Unit, National Breast Screening Programme and Symptomatic Breast Unit - BreastHealth, over 450 new patients are diagnosed with breast cancer on the campus each year. A well established multidisciplinary team functions within both units and has access to all of the state of the art facilities necessary to deliver a modern day 'all inclusive' breast care service.

The Specialist Registrar in Breast Imaging in the Mater is an integral part of the team and has exposure to a large volume of patients with breast cancer and benign breast disease. This position allows for intense training which leads to a strong confidence in diagnosing and managing women with breast disease.

This position offers 6 or 12 month Special Registrar training in Breast Imaging within both the screening and symptomatic service. Under the auspices of 6 Consultant Radiologists with specialist training in breast imaging, this post will ensure the development of subspecialty skills in all aspects of mammography including radiographic interpretation (digital mammography), breast ultrasound, breast MRI, (also including training in MR guided breast biopsy), sentinel node mapping, quality control and breast interventions – wire-guided needle localisation, stereotactic and ultrasound guided core biopsy, wide bore
suction biopsy technique, and ductography. Emphasis will be placed on the multidisciplinary approach to the management of breast cancer, including active involvement in multidisciplinary case conferences and triple assessment clinics. The successful candidate/s will be expected to actively participate in the established research programme that exists in both the screening and symptomatic breast units.

The position will comprise of 7 sessions of breast imaging, 2 sessions of general oncology radiology and 2 sessions of academic time. The general component includes general U/S, CT, MRI and PET/CT. This allows expansion of the oncology theme of the job allowing access to state of the art equipment and specialist consultants. An on-call commitment in line with the other radiology registrars is also an integral part of this job.

Please also see combined Fellowship position with Sir Charles Gairdner Hospital in Perth.

Sir Charles Gairdner Hospital

Breast Imaging – 6 and 12 month Specialist Registrar Post

The Department of Radiology seeks to appoint a Radiology Breast Fellow to undertake specialty radiological training and support the ongoing provision of tertiary and associated clinical services, which includes a 24/7 on call shift system.

SIR CHARLES GAIRDNER HOSPITAL

Area Profile: Sir Charles Gairdner Hospital (SCGH) is one of Australia’s leading teaching tertiary hospitals. The Hospital has over 600 beds and employs approximately 5,000 staff who treat over 20,000 patients every year.

Located at the Queen Elizabeth II Medical Centre 4km from Perth city centre, SCGH provides a comprehensive range of clinical services including the services that pertain to the neuroscience disciplines, trauma, emergency and critical care, orthopaedics, general medicine, general surgery and cardiac care. It is home to Western Australia’s only comprehensive cancer centre - the largest cancer treatment centre in the State - and is the State’s principal hospital for neurosurgery and liver transplants.

In fulfilling this vision and the values outlined below, the Sir Charles Gairdner Osborne Park Health Care Group wishes to be recognised as a:

• Leading healthcare provider in WA and Australia
• Preferred place of employment for all staff
• Centre for research, publishing, teaching and training
• Preeminent academic centre associated with relevant universities
Mission

To improve, promote and protect the health of Western Australians within the North Metro Health Service catchment by:

- Caring for individuals and the community
- Caring for those who need it most
- Making the best use of funds and resources
- Supporting our team.

Vision Statement: ‘Committed staff, Clever researchers – Caring for Patients’

The Vision encompasses intents such as: Future orientated, Excellence, Academic, Research & Teaching, Patient Focused (Customer focused), Centre for Care, Efficient, Safe, Vibrant, Dedicated and Great place to work

Values

♦ Care, Excellence, Respect, Integrity, Teamwork, Leadership,

RADIOLOGY

The Department of Radiology at Sir Charles Gairdner Hospital, Perth is part of the Division of Medicine. It resides in the G Block, spanning 2 floors, closely situated to the emergency department, Neuroimaging Intervention Services of Western Australia (NIISwa), the SCGH Breast Centre and the Nuclear Medicine Department/WA PET Service.

Our Service

A comprehensive adult diagnostic imaging service is provided for tertiary care patients at Sir Charles Gairdner Hospital and for the North Metropolitan Health Service. The imaging practices at SCGH covers all aspects diagnostic imaging and has a well established interventional radiology service. The majority of the Radiologists are subspecialty credentialed and the department supports subspecialisation within the group. There are numerous regular clinical and multidisciplinary meetings with radiology input and the department is a major site for Radiology Registrar training in the Western Australian. The Department also initiates and contributes to a number of training opportunities within the hospital.

There is a “24/7” consultant Radiology on call service to support the on call radiology registrar services. The on call consultant attends the department on weekend days to review the diagnostic oncall imaging with the overnight registrar/fellow. The Interventional Radiology team have a separate on call system.
Additionally the SCGH Department of Radiology provides an imaging interpretation and procedural service at Osborne Park and King Edward Memorial Hospitals. The majority of the former service is general and obstetric imaging, and the latter non-obstetric woman’s imaging.

The department has a strong track record of academic activity including collaboration with multicentre trials in diagnostic imaging and interventional procedures. Involvement in research and teaching is encouraged. There are ample opportunities to attend courses and conferences and this is encouraged within limits of study leave and funding allowances. Submission of papers to scientific conferences is particularly encouraged.

**Equipment**

The department was designed specifically for Radiology, with dedicated imaging equipment contained within a central core, surrounded by conveniently sited large meeting/conference rooms and a refurbished library. PACS reporting and workstations are ideally located alongside the scanning rooms and reporting hub. A newly installed 320-slice CT scanner and “State of the Art” 1.5 and 3T MRI scanners, complement the department’s range of up-to-date imaging equipment.

Current dedicated interventional imaging equipment within the Department of Radiology includes a Toshiba Infinix single plane angiography suite and a Siemens Artis Zeego Single plane angiography/fluoroscopy suite.

**Staffing**

The current Radiology department staff comprises in total 28 consultants.

The Radiology department is supported by approximately 10 registrars per term on 3 monthly rotations within the WA Radiology training programme scheme, 3 Body Imaging Fellows, 1 Breast fellow and 1 Interventional fellow.

We have a team of dedicated and specialised Medical Imaging Technicians (radiographers) and radiology nurses. Our administrative and clerical staffs reside within our department. They undertake a wide range of duties including organising investigations, liaising with patients and staff in this hospital and elsewhere as well as consultant PA/secretarial activities.

**Radiology Breast Fellowship**

A suggested timetable which is intended as a guide to the structure of the working week is as follows. This may be subject to change depending on service demands and attributes of the successful candidate.
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<td>Breast Screen Assessment All Day Clinics – Further views, Ultrasound, Tomosynthesis, Biopsies (Stereo/US)</td>
<td>Breast Symptomatic Assessment Clinic/Hookwires/Biopsies (Stereo/US)</td>
<td>Breast Screen Assessment All Day Clinics – Further views, Ultrasound, Tomosynthesis, Biopsies (Stereo/US)</td>
<td>Breast Symptomatic Assessment Clinic/Hookwires/Biopsies (Stereo/US)</td>
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Additionally, the fellow will support the new registrar ‘oncall’ shift service by covering weekdays/nights, Saturdays and Sundays as per a fair roster. Pro rata time off during the week will apply for the night/weekend worked.

**Additionally the fellow will also be expected:**

- To participate in the professional training of clinical and non-clinical staff, including the undergraduate training programme.
- To take a role in clinical governance within the department.
- To meet, as a minimum, the requirements of his/her Royal College in respect of continuing medical education. Collaborative research with other clinical colleagues is encouraged by the Trust.
- To liaise with his/her colleagues and Consultant in providing internal cover for annual leave and sick leave and adopt a flexible approach to covering duties when required.
- To work with local managers and professional colleagues to ensure the efficient running of services and will be expected to observe the Hospital’s agreed policies and procedures drawn up in consultation with the profession of clinical matters and to follow the standing orders and financial instructions of the Hospital.
- All medical staff employed by the Hospital are expected to comply with existing Health and Safety policies.
- The appointment will be subject to among other things, registration with AHPRA, passing a health examination and criminal check prior to commencement of duties.

**Protecting Patients Guiding Doctors**

The Radiology department fully supports the Australian Medical Council’s performance procedures designed to protect patients and guide doctors. In the
context of a doctor’s fitness to practice, the department requires all doctors to follow the Australian Medical Board’s Good Medical Practice Code of Conduct which encourages and promotes effective self-regulation.

Please note this job description is not an exhaustive document but is a reflection of the current position. Details and emphasis may change in line with service needs after consultation with the post-holder.

Sir Charles Gairdner Hospital is an Equal Opportunities employer and operates a no Smoking Policy.

**Further Information**

Interested candidates are invited to contact:

Dr Fidelma Flanagan  
BreastCheck, 36 Eccles Street  
Dublin 7  
fidelma.flanagan@cancerscreening.ie  
Ph: 01-8826209

Dr. Melanie Robert  
melanie.robert@health.wa.gov.au  
Consultant Radiologist and Fellowship Coordinator  
Sir Charles Gairdner Hospital

Ms. Gaylene Rosier  
gaylene.rosier@health.wa.gov.au  
Admin Assistant, Radiology Dept.  
Sir Charles Gairdner Hospital
University Hospital Waterford invites applications for one 5th year post (from three options: Interventional Radiology, Cross-sectional imaging or Breast imaging) on the National Training Scheme in Diagnostic Radiology as run by the Faculty of Radiology RCSI to commence July 2016.

Background

University Hospital Waterford is a constituent University Teaching Hospital of the Royal College of Surgeons in Ireland and University College Cork of 500-bed capacity. The hospital is one of the eight national Cancer Centres designated by the National Cancer Control Programme. The hospital serves the population of the South-East and is a secondary and tertiary centre for many medical and surgical specialties, with regional units in Orthopaedics and Trauma, Emergency Medicine, ENT, Ophthalmology, Oncology, Palliative Care, Interventional Radiology, Nephrology, Breast Surgery, Medical Physics, Haematology, Dermatology, Paediatrics, Laboratory Medicine, Vascular Surgery, Rheumatology, Anaesthesia, intensive care, Psychiatry and Obstetrics and Gynaecology. In addition to the new relationship with Cork University Hospital, ongoing affiliations exist with:

- St. Luke’s Hospital Kilkenny 317 beds
- Wexford General Hospital 206 beds
- South Tipperary General Hospital 239 beds

University Hospital Waterford admits 17,000 patients per annum from an emergency department throughput of 65,000. 123,000 outpatients are seen annually with 17,978 day-cases performed.

The Department of Radiology performs over 140,000 examinations per year including in excess of 11,000 multislice CT examinations, 5,000 MRI examinations and 14,000 ultrasound examinations. At the time of post commencement, the Radiology department will have 8 consultants and over 20 radiographers. A dedicated principal grade physicist is on site.

Facilities: There are two CT scanners on site: a recently installed 128-slice Philips MDCT and a Siemens Somotom Sensation 16 slice MDCT which perform annually in excess of 11,000 examinations, including biopsies, drainages, radiofrequency ablation and osteoplasty. MRI is performed on a 1.5T system (MRI Siemens Symphony 1.5T MaestroClass). The emphasis in MR is on oncological, neurological, musculoskeletal and body imaging.

At the time of post commencement, all 5 state of the art ultrasound units will be less than three years old. The full spectrum of ultrasound is provided including abdominal, pelvic, endocavitary (endoanal and transvaginal), musculoskeletal, vascular and small parts imaging.

In the radionuclide section there is one dual-headed, SPECT enabled, gamma camera (Philips Skylight).
In the Interventional suite the existing Siemens Angiostar with C arm is in the process of being replaced by a state of the art Artis Q Siemens machine and a dedicated GE logiq 5 US machine.

Mammography is fully digitised. The remainder of the department is equipped with digital chest radiography units, CR throughout the remainder of the department’s general rooms and mobile units.

NIMIS was installed on the 25th October 2011 resulting in a state of the art PACS and RIS. UHW was the first hospital in the country to have PeerVue installed (May 2014) facilitating peer review, meeting management and Alerts.

**Training, Education, Teaching and Research:**

The configuration of the 5th year will be based on the requirements of the Specialist Registrar and crossover from the posts outlined below is possible. The overarching ethos of the rotations will be educational; the SpR will receive at least three-four case-based tutorials per week in addition to the direct daily workstation based teaching.

One of the Consultants examines in the Irish Final Fellowship exam. One of the consultants has a Higher Diploma in Medical Education and is currently engaged in a Masters programme in same. The consultants are heavily involved in the organisation of International Meetings such as the RSNA, ARRS, CIRSE and ECR and are regular invited speakers. The department is active in publishing and presenting its work nationally and internationally and the registrar will be expected to participate fully. All posts include a teaching commitment at both undergraduate and postgraduate levels. Up-to-date library, computer, digital image manipulation and Internet access facilities are available within the Department. As a Faculty recognized SpR, the Registrar will have access to RadPrimer online.

**Posts available:**

**Post 1: Interventional radiology.**

The Registrar will gain experience of the entire spectrum of vascular and non-vascular interventional radiology, including peripheral arterial disease, abdominal aortic stent grafting, renal artery stenting, percutaneous biliary interventions (including drainage and stenting), uterine artery embolisation (UAE) and inferior vena cava filter placement. Venous interventions performed include pharmaco-mechanical thrombectomy, thrombolysis, venoplasty, stenting, filter placement and placement of PICC lines, chest ports and tunnelled catheters. Targeted Musculoskeletal Interventions are performed including Therapeutic Arthrography, Image guided Pain Relief Procedures, Vertebroplasty, Extraspinal Osteoplasty and Radiofrequency ablations.

A large volume of Urological Intervention is performed, including nephrostomies, ureteric stenting (primary placement and retrograde exchange), cyst and abscess drainage, and renal biopsies. The clinical components of Interventional practice will be emphasized via ward rounds and seeing Outpatients.
Vascular imaging e.g. CTA, MRA and Doppler will be emphasized during this year and the SpR will gain expertise in pre and post procedure imaging and clinical assessment.

It is envisaged that the SpR will perform six sessions of Interventional Radiology training on a weekly basis. The post has a significant academic component in addition. The SpR will also be included in the NCHD (Non Consultant Hospital Doctor) on call roster. In addition to the Interventional Radiology training, the trainee will also have three sessions per week of general radiologic duties in the Department including cross sectional or other general imaging. The imaging component may be increased depending on the registrar’s requirements.

**Post 2: Specialist Registrar in Cross-sectional Imaging**

Modalities include MDCT, MRI and US. Training strengths include Oncological, General Thoracic and Abdominal (including virtual colonoscopy), Gynaecology, Head and Neck Imaging and MSK imaging.

This post will allow the registrar to gain wide experience in all aspects of body, neurological, vascular and musculoskeletal CT and MRI. As a centre of excellence for cancer therapy, a large proportion of the caseload is oncology based. The sessional split between CT and MRI will be flexible and the needs of the successful candidate will be taken into account. A significant volume of dedicated musculoskeletal ultrasound is performed, a service which includes imaging of all large and small joints and ultrasound guided interventions, and the Registrar will be encouraged to get involved if this is an area of interest.

Many interventional procedures are performed under US and CT guidance, including biopsies, drainages and thermal ablations. The SpR will have the opportunity to gain wide experience in this area. Weekly multidisciplinary meetings are held across many specialties and the SpR will have the opportunity to take a lead role in these meetings. They will also be included in the registrar on-call rota.

**Post 3: Breast Imaging.**

University Hospital Waterford is the regional unit for symptomatic breast disease. Triple assessment breast clinics operate under the supervision of two consultant Radiologists with specialist training in breast imaging and experience in this post will ensure the development of subspecialty skills in all aspects of mammography, breast ultrasound, sentinel node mapping and breast interventions – wire-guided needle localisation, stereotactic and ultrasound guided core biopsy.

The specialist registrar in breast imaging is an integral part of the team and has exposure to a large volume of patients with breast cancer and benign breast disease. This position allows for intense training leading to strong confidence in diagnosing and managing women with breast disease.

Emphasis will be placed on the multidisciplinary approach to the management of breast cancer, including active involvement in multidisciplinary case conferences and triple assessment clinics.
For further information or to arrange visits to the department please contact:

Dr. Anthony Ryan,
Consultant Interventional / Musculoskeletal Radiologist,
Local Educational Coordinator,
University Hospital Waterford.

anthonyryanir@gmail.com
Cork University Hospital Oncology and Cross-Sectional Imaging post

This post is fully funded by Cork University Hospital and is primarily a clinical radiology position.

Cork University Hospital is one of the 8 National Cancer Centres as designated by the National Cancer Control Programme, and provides diagnostic, surgical, medical oncology and radiation oncology services for patients in the south of Ireland. CUH is a large national centre for clinical trials, provided through the oncology clinical trials unit.

CUH provides a broad range of diagnostic imaging and interventional services for cancer patients including a dedicated breast imaging unit, a prostate imaging/biopsy unit, 64-slice CT technology, MRI (3T and 1.5T), ultrasound, interventional radiology, nuclear medicine and PET/CT. Radiologists in CUH are involved in all of the oncology MDT conferences, with radiology subspecialist expertise in all cancer areas.

The successful candidate will be involved in a range of clinical duties at CUH including chest and abdominal radiology, PET/CT and preparation and participation in MDT’s. The successful candidate will be expected to participate in the radiology SpR on-call rota.

The candidate will also attend daily clinico-radiological conferences of their choosing and will attend and supervise regular teaching conferences in their chosen area. Participation in research will be strongly encouraged.

For further information please contact Dr. Kevin O’Regan (086 8257626) and Dr. Sean McSweeney (086 8544025).
University College Cork (with clinical duties at Cork University and Mercy University Hospitals):

This post is fully funded by University College Cork and is primarily an academic radiology position.

The Department is committed to an active research program with a wide range of ongoing research projects. This research programme is focused on radiation dose optimization and abdominal and chest imaging research. The Department has a good record of presentations at Irish and International meetings and has had an excellent track record of publications in international peer-reviewed literature (see www.pubmed.org).

The successful candidate will lead this programme under the supervision of the Professor of Radiology and other hospital consultants at CUH and MUH. A considerable portion of time will be protected for implementation of research projects and preparation of presentations and manuscripts.

A major focus of the position will be teaching of undergraduate radiology, anatomy and pathology. This teaching will take place at hospital campuses affiliated to UCC, in the anatomy dissection room, and at the main University Campus. The successful candidate will also be heavily involved in student assessment in all five years of the undergraduate programme and also in the Graduate Entry Programme.

The successful candidate will be involved in a range of clinical duties at CUH and MUH including chest and abdominal radiology and intervention and preparation and participation in MDT’s. The lecturer will also attend daily clinico-radiological conferences of their choosing and will attend and supervise regular teaching conferences in their chosen area.

The successful candidate will be encouraged to prepare a thesis based on completed research for consideration towards M.D. degree from UCC.

For further information please contact Professor Michael Maher (086 1731929).
Beaumont Hospital, Dublin
Fellowship in Diagnostic and Interventional Neuroradiology

(please note that this post is starting July 2017)

Beaumont Hospital Department of Radiology
Beaumont Hospital is an 820 bed hospital located in north Dublin city. It has a catchment area of approximately 250,000 people. It is the lead hospital in the Dublin North East HSE network, which extends the catchment area to over one million people. It employs 3200 staff.
Beaumont Hospital has many medical and surgical specialties. It is a regional centre for oncology, radiation oncology, ENT and gastroenterology. It is a designated centre of excellence for cancer specialties. It is the national referral centre in Ireland for neurology, neurosurgery, renal transplantation and cochlear implantation.
Beaumont Hospital has an academic link to and is paired with the Royal College of Surgeons in Ireland (RCSI) for teaching, training and research.
There are a team of 15 consultant radiologists in the department of radiology in Beaumont Hospital. Among the specialist interests are chest radiology, abdominal imaging and interventions, diagnostic neuroradiology, musculoskeletal radiology, nuclear medicine, interventional radiology and interventional neuroradiology. There have been a number of major capital investments in equipment in the department in recent years. The department has state of the art digital radiography rooms, 2 fluoroscopy rooms, ultrasound, a dedicated ultrasound intervention suite, 2 x SPECT-CT, 1 x 128 slice CT scanner, 1 x 16 slice CT scanner, 1 x 6 slice CT scanner, a state of the art 3T MRI magnet, 2 x 1.5T MRI magnets and two interventional radiology suites or labs, one with biplane angiography. The department performs well over 180000 radiological tests and procedures annually.

Beaumont Hospital Department of Neuroradiology
Specific to neuroradiology, there are 4 consultants, 3 of whom are diagnostic and interventional and one of whom is diagnostic.
There are in excess of 500 neuroradiological CTs and 800 neuroradiological MRIs performed monthly in the hospital. All components of neuroradiological CT are covered in the fellowship training. The applicant will gain experience in CT angiography (both performance of and post processing of), CT myelography and head and neck CT including complex post surgical work. All facets of neuroradiological MRI are also covered. The candidate will gain experience in advanced MRI techniques including perfusion, spectroscopy, functional and diffusion tensor imaging.
There are weekly consultant neuroradiology led conferences in neurology, neurovascular, stroke, brain and spinal tumours, ENT, ENT oncology, pituitary and clinical neuroscience. The fellow is encouraged to attend as many of these as possible.
There are close to 400 neurointerventional procedures performed annually. The department has a long established record in diagnosis and treatment of cerebral aneurysms and AVMs. Since 2010, there has been a growing practice in mechanical thrombectomy as an interventional stroke treatment. The department of neuroradiology has an active role with other specialties in the hospital in delivery of stroke treatments.
There is an active research component in the department. The department is a collaborator in several prospective and randomized controlled trials related to neuroradiology. The department publishes several case reports, review papers and original research papers annually.

**Fellowship Structure**

Beaumont Hospital offers a one year fellowship in interventional neuroradiology. It is envisaged that the applicant will complete two years in training in interventional neuroradiology, dependant on satisfactory completion of assessments. The second year may potentially be in the same fellowship position in Beaumont again or at an institution in another country in another approved interventional neuroradiology program.

The applicant to the Beaumont Hospital neuroradiology fellowship position will gain experience in the following:

- lumbar puncture, myelography
- fluoroscopic and CT guided biopsies
- fluoroscopic and CT guided nerve root blocks
- diagnostic cerebral angiography
- inferior petrosal sinus sampling
- vertebroplasty
- discography
- endovascular coiling of cerebral aneurysms
- embolisation of cerebral AVMs, AVF and tumours
- epistaxis embolisation
- cerebral artery thrombectomy, acute stroke treatments
- internal carotid artery stenting
- diagnostic spinal angiography
- endovascular treatment of spinal vascular malformations

The fellowship structure will consist of the following:

- fellow is given a dedicated half day a week for research purposes. Under supervision and guidance from the neuroradiology consultants, the fellow will be encouraged and expected to participate in and lead on research related to neuroradiology with the aim of local and international presentations and journal publications
- neuroradiology CT and MRI pre dictation. In agreement with the consultants, a dedicated time slot will be given to the fellow to pre view and pre dictate diagnostic neuroradiology studies
- daily ward rounds to see neuroradiological patients i.e. recent aneurysm coiling, mechanical thrombectomy and other
- liaise with neurosurgical team on call and/or others to be aware of patients with acute SAH or ICH transferring to the hospital
- perform and interpret all diagnostic cerebral angiograms
- assist initially and then gain experience in performance of more complex endovascular procedures as outlined above
- responsible for all relevant databases for interventional neuroradiology procedures including aneurysm, AVM, carotid stent and stroke databases
- prepare and deliver Thursday morning neurovascular MDM attended by neuroradiology and neurosurgery
- prepare and deliver Thursday midday stroke MDM attended by several specialties
- structured teaching of radiology registrars is encouraged

The applicant is required to participate in the on-call roster for the radiology department in Beaumont Hospital.

Enquiries;
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