



Job Description

NIHR Academic Clinical Fellowship

Obstetrics & Gynaecology ST3 (1 post)

The University of Leeds, in partnership with Health Education England Yorkshire and the Humber and the Leeds Teaching Hospitals NHS Trust, has developed an exciting pathway of academic clinical training opportunities.

Applications are now invited for an Academic Clinical Fellowship in Obstetrics & Gynaecology ST3 level. This new post has been created as part of the Health Education England (HEE)/National Institution for Health Research Trainee Coordinating Centre (NIHRTCC) programme of Integrated Academic Training and offers candidates a comprehensive experience of clinical academic medicine working alongside internationally renowned clinicians and researchers.

We are seeking highly motivated, enthusiastic individuals with the potential to excel in both their clinical and academic training and who have the ambition to be the next generation of academic clinicians.

This Academic Clinical Fellowship (ACF) programme in Obstetrics & Gynaecology will be run by the University of Leeds, the Leeds Teaching Hospitals NHS Trust and Health Education England Yorkshire and the Humber. Academic Clinical Fellowships (ACFs) are 3 year fixed-term national training posts. They attract an NTN(A) and trainees undertake 75 % clinical and 25% academic training over the term of the post. They are employed by the NHS Trust and have an honorary contract with the University at whose Medical School their academic research is supported.

ACF trainees also undertake a Research Training Programme provided by the University for which funding is provided by NIHR. They also are eligible for a £1,000 bursary per year to support research training activity (e.g to attend academic conferences).

ACF trainees would also normally complete and submit an external funding application for a research fellowship to enable them to complete a higher degree (PhD or research MD) following the completion of their ACF fixed-term post, which would be completed as Out-of-Programme-Research (OOPR).

All Academic Clinical Fellowships are run-through posts, regardless of specialty, with the exception of 'Medical Education' ACFs. A trainee entering ACF at ST1 or ST2 in a specialty with a Core Training period would therefore be guaranteed continued training to CCT in the eventual specialty, as long as they progress satisfactorily through both their academic and clinical training. Run-through status is withdrawn if ACFs do not complete the academic component.

POST DETAILS

Job Title

NIHR Academic Clinical Fellow (ACF) –Obstetrics & Gynaecology

Duration of the Post

Up to 3 years (25% academic, 75% clinical).

Lead NHS Hospital/Trust in which training will take place

Leeds Teaching Hospitals NHS Trust Obstetrics & Gynaecology ACFs will be based at St James's University Hospital, Leeds.

Research institution in which training will take place

The research work will be carried out in the Section of Obstetrics & Gynaecology within the **Leeds Institute of Biomedical and Clinical Sciences (LIBACS)**, University of Leeds and School of Medicine, University of Leeds.

The Section's work covers a range of themes ranging from understanding disease aetiology through to the application of our findings in translational clinical trials and currently includes the following areas of research:

- Prediction/prevention of adverse pregnancy outcome - much of our work in this area aims to integrate complementary research themes so as to integrate clinical, metabolomic, proteomic, and genetic biomarkers in the pre-symptomatic detection of obstetric complications
- Gynaecological cancer - we cover two principal themes; the bulk of our work revolves around the pathophysiology of endometrial cancer using genomic, transcriptomic, proteomic and lipidomic approaches. Much of our emphasis is placed on understanding the role of the tumour microenvironment in carcinogenesis. We are also interested in the role of microRNAs, predictive markers for response to novel targeted therapies, and the process of epithelial-mesenchymal transition in ovarian cancer
- Modelling immune networks - this area of work focuses on using Bayesian theory-based machine learning as a strategy to model the interactions of, and clarify the mechanisms controlling, inflammatory mediators; this is currently one of our most active areas of development and is run in conjunction with the systems biology group at Harvard Medical School
- Imaging of placenta/cervix - we use 3D reconstruction of these organs using DT-MRI and digital pathology in order to appreciate the microstructural anomalies associated with the development of specific pathologies. We are particularly focusing on villous/vascular histoarchitecture in the context of intrauterine growth restriction and pre-eclampsia, and of the structure of the internal os and its role in the prevention of preterm birth
- Interaction between nutrition and pregnancy outcome: we work closely with the Nutritional Epidemiology group in order to better understand the impact of nutrition

on the incidence of pregnancy complications. Much of our research in this area has focussed on maternal caffeine and anti-oxidant intake

- Endothelial biology: one of our previous ACFs was successful in gaining an MRC Research Fellowship is studying the role of mechanosensing channels in placental vasculature within the world-leading cardiovascular research group in the Leeds Institute of Cardiovascular and Metabolic Medicine
- Reproductive Medicine: including pioneering *in vitro* maturation research and studying implantation biology

Our work is collaborative and links in with other leading national and international groups. We particularly value the practical contribution of our research in driving our teaching and clinical practice in order to improve women's healthcare.

Research Protected Time:

It will be expected that the post holder will devote 25% of their working time to innovative and scholarly research. The timing of research is agreed between the academic supervisor, the Academic Training Programme Director and the NHS Training Programme Director. Usually it is a 3 month block with either day release of 25% of time or blocks of research depending on what is most appropriate at the time. We try to maintain maximum flexibility to benefit the trainee.

Academic Clinical Fellowship Training Programme: Research Component (min 250 words)

Training in obstetrics & gynaecology is organised under the auspices of the School of Obstetrics & Gynaecology (see http://www.yorksandhumberdeanery.nhs.uk/obs_and_gynae). The Head of School is Miss Jacqueline Tay.

The Obstetrics service is provided on both sites in Leeds. The St James's Maternity Unit, which is located in Gledhow Wing, deals with approximately 4,800 deliveries per year. The Leeds General Infirmary Maternity Unit, located within Clarendon Wing, has around 5,100 deliveries per annum. Each Unit has a General Antenatal Outpatient Department, an Antenatal Day Care Unit, Fetal Medicine Unit, Fetal Assessment Unit and Obstetric Ultrasound Department.

Inpatient facilities include :

	St James's	LGI
Antenatal Ward	13 beds	24 beds
Postnatal Ward	24 beds	24 beds (6 transitional care)
Transitional Care Ward	13 bed & cots	
Neonatal Unit	24 cots (3 intensive care)	34 cots (12 intensive care)
Labour Ward	10 delivery rooms	10 delivery rooms (4

	2 admission rooms	midwifery led)
	2 Obstetric theatres	5 induction beds
	1 bereavement room	2 Obstetric theatres
	4 induction beds	3 bedded HDU
		2 bereavement rooms

Both Labour Wards have a staff room and resource area with appropriate IT facilities. There is an ultrasound machine, dedicated for use on the Labour Ward, and a STAN machine for intra-partum monitoring of high risk cases. The Consultant body provide 60hr/week cover during which they have no other commitments, currently this entails spending 1 week in 8 on Delivery Suite.

There is a Maternity Assessment Centre at both St James's and the LGI through which the majority of acute obstetric admissions are triaged. MAC is open 24hrs 7 days a week at both and has considerably improved the service for both women and staff.

We are a forward-thinking unit and have established a regional multi-professional training scheme in obstetric emergencies. We have obtained funding to further develop the service from workforce confederation and have introduced a computerised simulation of delivery suite management to assist in the training and maintenance of labour ward management skills for both midwifery and medical staff. We train midwifery as well as medical staff in core labour ward skills including instrumental deliveries and fetal blood sampling and review our practice on a daily basis as a multidisciplinary team. We have a well formulated and robust risk management system which, in combination with our training and review of practice enables us to continually sustain and even improve the standards of care we offer our users.

The Gynaecology Service is centralised on the St James's site; the benign gynaecology service is provided from theatres, wards, outpatient and urodynamic facilities within the Chancellor Wing and the gynae oncology service is provided from dedicated ward, outpatient and theatre facilities in the recently commissioned Bexley Wing.

Outpatients

In addition to high risk antenatal clinics, there are a variety of specialist clinics run in conjunction with the relevant Physicians on either the St James's or LGI site. These include a Cardiac Clinic, Diabetic Clinic, Substance Abuse Clinic, Endocrine Clinic (thyroid, adrenal and pituitary), Teenage Pregnancy Clinic, Pretermaturity Clinic, Obstetric Haematology Clinic and a Rheumatology clinic.

The Early Pregnancy Assessment Unit is located at St James's and, although it comes under the auspices of Gynaecology, there are naturally close links between the Obstetric

Departments and EPAU. A recurrent miscarriage clinic is run from the EPAU providing both a diagnostic service and support in early pregnancy.

The Fetal Medicine Unit runs clinics five days a week at LGI offering invasive prenatal diagnosis, diagnosis and management of congenital anomalies, rhesus disease including in-utero transfusion and a variety of other invasive therapeutic procedures. The Regional Paediatric Cardiology Service is based at LGI as is the Cleft Service for the Northern and Yorkshire Region. A combined Genetics/Fetal Medicine clinic is run weekly on both the St James's and LGI sites and, in addition there is a multiple Pregnancy Clinic at both LGI and SJUH.

The General Obstetric Ultrasound Service is led by a Consultant Radiologist, Dr M Weston, and the Unit is staffed by fully qualified Radiographers. This unit is located separately from the antenatal outpatient area which has four of its own ultrasound machines. Two are within the FMU, two in ANC and one in the Fetal Assessment Unit. Routine fetal anomaly scans are performed between 19 – 23 weeks' gestation. Specialist fetal echocardiography is carried out at Leeds General Infirmary by a Consultant Echocardiographer in conjunction with the Perinatal Cardiologists.

Opportunities

Clinical

You will have the opportunity to obtain gain experience in all the subspecialty areas within Obstetrics & Gynaecology: maternal-fetal medicine, urogynaecology, reproductive medicine, gynaecology. You will work in the various inpatient and outpatient settings according to the specific post they are doing in their rotation. A partial shift system is operated. You will take part in one of the first- or second-on shift rotas that cover acute care depending on your level of training, and your training requirements. You will be responsible to more senior registrar-level trainees and consultants. The Academic Trainee will also be expected to actively participate and organise departmental meetings. There is an expectation that the Academic Trainee will be involved in teaching medical students, clinical attachés and junior trainees.

Academic

The Department provides teaching for the fourth year of the Undergraduate Course in Medicine and contributes to teaching in the first, second and third years. The Department is actively and intimately involved with the delivery and ongoing development of the Leeds Undergraduate Medical Curriculum and it will be expected that the holder of this post will be actively involved in this respect. The post holder will be required to take an effective role in the delivery and development of mainly undergraduate, but to some extent, postgraduate medical education. They will be responsible for delivery and organisation of teaching in the undergraduate medical curriculum and responsibility will exist for a number of administrative tasks related to the teaching role of the Department of Obstetrics and Gynaecology.

Postgraduate Training

The Yorkshire Modular Training Programme (YMTP) provides training for Obstetric & Gynaecology trainees in the Yorkshire region from ST1 - ST5. Teaching sessions are provided throughout the region to ensure all trainees receive a standardised level of training. The curriculum for the YMTP follows that of the RCOG logbook. The YMTP is a comprehensive training programme that fulfills your training requirements by providing all the mandatory courses eg. Basic Practical Skills, Family Planning, Basic ultrasound, as well as part 1 and part 2 MRCOG courses (http://www.yorksandhumberdeanery.nhs.uk/obs_and_gynae/ymtp/).

Academic Clinical Fellowship Training Programme: Clinical Component

(min 250 words)

Management/Administration

The trainee will be required to participate in administrative activities such as reviewing results of patients' results, and writing a proportion of the discharge letters for inpatients and letters arising from the respective outpatient clinic that he/she attends.

Educational Supervision

An NHS Clinical Supervisor will be appointed for each clinical post. The appointee will follow the RCOG curriculum, and complete workplace based assessments according to the RCOG assessment strategy. During training you will be supervised by the Regional Postgraduate Specialty Training Committee on which there are representatives from Health Education Yorkshire and the Humber, Training Hospitals, Universities and Junior Staff. The performance of all trainees is assessed on a regular basis, subject to the regulations of the Royal College of Obstetrics & Gynaecology. Progress will be assessed at an Annual Review of Competency Progression. Reviewers will include both University and NHS personnel.

CONTACTS

Academic Leads

Name and title: Dr Nigel Simpson

Position: Senior Clinical Lecturer in Obstetrics & Gynaecology

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Academic Supervisor (University):

Name and title: Dr Nigel Simpson

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Education Supervisor (Trust):

Name and title: Dr Jacqueline Tay

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Clinical Supervisor(s):

Name and title: Dr Jayne Shillito

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HEE Local Office Training Programme Director:

Name and title: Dr Padma Munjuluri

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Further Information

Because of the nature of the work for which you are applying, this post is exempted from the provisions of Section 4 (2) of the Rehabilitation of Offenders Act 1974 by virtue of the Rehabilitation of Offenders Act 1974 (Exceptions) Order 1975.

Applicants are, therefore, not entitled to withhold information about convictions, which for other purposes are “spent” under the provisions of the Act, and in the event of employment any failure to disclose such convictions could result in dismissal or disciplinary action by the University. Any information given will be strictly confidential and will be considered only in relation to an application for positions to which the Order applies.

For further information about the Academic Clinical Fellowship programme, please refer to the NIHR (National Institute for Health Research) Trainee Coordinating Centre (NIHRTCC) page on <https://www.nihr.ac.uk/funding-and-support/funding-for-training-and-career-development/training-programmes/integrated-academic-training-programme/integrated-academic-training/academic-clinical-fellowships/>

Person Specifications

Applicants for this post will be required to meet the relevant clinical eligibility criteria for the appropriate specialty and level listed at:-

Please note - (applicants applying for Surgical, Medical or Psychiatry specialties at ST3 or above may be required to consult the relevant Core Training person specification):-

<http://specialtytraining.hee.nhs.uk/Recruitment/Person-specifications>

AND the Academic eligibility criteria listed at:

<http://specialtytraining.hee.nhs.uk/Recruitment/Person-specifications>

How to Apply

For more information about applying to ACF vacancies in Health Education England Yorkshire and the Humber please visit:-

http://www.yorksandhumberdeanery.nhs.uk/recruitment/our_vacancies/academic_recruitment/

Applications will only be accepted through the Oriel online application system:-

<https://www.oriel.nhs.uk>

Applications open: 10:00 on 9th October 2017

Applications close: 16:00 on 6th November 2017

After the application deadline no applications will be accepted. **There will be no exceptions to this deadline.** You are advised to complete and submit your application ahead of the deadline to allow for any unforeseen problems.

Interviews will be held in Leeds in December 2017. The date will be confirmed shortly.

