Job Description

NIHR Academic Clinical Fellowship

Oral & Maxillofacial Surgery, ST1 entry (1 post) Theme – Multiple Long Term Conditions

The University of Sheffield, in partnership with NIHR, NHS England North East and Yorkshire and the East Midlands Oral & Maxillofacial Surgery (OMFS) Training Programme, has developed an exciting pathway of academic clinical training opportunities.

Applications are now invited for an Academic Clinical Fellowship in OMFS at ST1 level with an integrated clinical and academic training scheme through to ST6. This post is being offered under the NIHR theme of **Multiple Long Term Conditions (MLTCs)**

Please Note:-
Applicants who do not already hold a National Training Number (NTN) or Deanery Reference Number (DRN) in the GMC specialty to which they are applying for will be required to undertake the national clinical recruitment process and attend an assessment/interview for that GMC specialty as appropriate.

This new post has been created as part of the NHS England (NHSE)/National Institute for Health Research programme of Integrated Academic Training. It offers candidates a comprehensive experience of clinical academic medicine working alongside internationally renowned clinicians, researchers and medical educators.

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 OMFS will be run by the University of Sheffield and the East Midlands OMFS Training Scheme.

OMFS Academic Clinical Fellowships (ACFs) at ST1 entry are fixed-term national training posts. They attract an NTN(A).

Trainees undertake 75% clinical training and 25% academic training.

Trainees 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 (RTP) which includes a choice of appropriate research modules depending on prior research training. In addition, the trainee will receive bespoke research training and mentorship within the Department of Oral and Maxillofacial Surgery and associated academic units, according to their interests and experience. There is access to additional research training opportunities within the Faculty of

Health. The trainee is also eligible for a £1,000 bursary per year to support research training activity (i.e. to attend academic conferences).

The clinical portion of the three years of the programme takes place in the Oral and Maxillofacial Department in Sheffield, which provides regional oncology and trauma services to South Yorkshire. The academic component of the post is within the University of Sheffield. The Academic Supervisor will be Mr Iain Varley, a former Academic Clinical Fellow who is Clinical Lead for the OMFS service and an Honorary Senior Clinical Lecturer within the University, in conjunction with Professor Paul Hatton and Professor Ipsita Roy, Professor at the School of Chemical, Materials and Biological Engineering. Further academic supervision and support will be provided to fellows to attend local and national NIHR trainee conferences and to plan their academic training programme early in the post with their academic supervisor. The Academic Clinical Fellow will have a senior Academic Supervisor allocated for the entire training post in addition to their Educational and Clinical Supervisors

As the ACF will be undertaking research within the theme of MLTCs, we offer co-supervision and projects within our established cross-specialty collaborations across the University.

Long-term health conditions impact 43% of the adult population in England. Around 70% of all health and social care funding goes to supporting people with long-term health conditions. People experiencing socioeconomic deprivation (PESD) have a 60% higher prevalence of having a long-term health condition and a 30% increase in severity of the condition compared with those from more affluent backgrounds. Multiple Long-Term Conditions (MLTCs), i.e., two or more long-term conditions in an individual, are predicted to rise in the UK from 54% in 2015 to 68% in 2035. People living in areas of deprivation are almost twice as likely to have MLTCs, which occur on average 10–15 years earlier than those from more affluent groups/areas. Major socioeconomic inequalities exist even when accounting for risk factors such as smoking, nutrition, exercise, and alcohol consumption.

In OMFS patients, MLTCs are associated with heavier disease burden, increased rate and severity of surgical complications, poorer outcomes and an increase in hospital admissions and social care costs.

As an example, osteoporosis affects up to 50% of people by the age of 80. The mainstay of treatment is the use of antiresorptive medications, such as bisphosphonates or denosumab. A common cause of osteoporosis is long-term steroid use, such as in systemic inflammatory conditions such as Addison's disease, inflammatory bowel disease, pulmonary disorders etc. Obesity also plays a significant role, predisposing to osteoporosis and other conditions such as diabetes. Medication-related osteonecrosis of the jaws is a condition where surgery to the jaws, removal of a tooth, or oral trauma, in a patient treated with antiresorptive medication, results in failure of the tooth extraction socket to heal, leading to exposed, painful necrotic bone, and in some patients progressing to pathological fracture of the jaws and/or orocutaneous fistulae. The incidence of MRONJ in patients with multiple comorbidities is known to be significantly higher than in the general population (in the region of 1 in 1000 for high risk vs 1 in 10000 for low risk). In addition, the quoted incidence is based upon the entire population exposed to antiresorptive medication, whereas the "at risk" group of those with surgical or traumatic injury to the jaws is significantly higher, with an incidence of approximately 1 in 10 (based upon a local longitudinal study - DOI: 10.13140/RG.2.2.28200.38409).

The Academic Clinical Fellow will be supported and trained to develop a distinctive research project to include publication and conference outputs and write grant applications. ACF

trainees would also normally complete and submit an external funding application for an NIHR fellowship to enable them to complete a higher degree (PhD or research MD) following the completion of their ACF fixed-term post.

The ACF would be guaranteed continued training to CCT within the East Midlands OMFS Training Programme as long as they progress satisfactorily through both their academic and clinical training.

We welcome informal enquiries about the post:
Mr Iain Varley, iain.varley@sheffield.ac.uk Clinical Lead for Oral & Maxillofacial Surgery and Honorary Senior Clinical Lecturer
Professor Paul Hatton, paul.hatton@sheffield.ac.uk
Professor Ipsita Roy, i.roy@sheffield.ac.uk School of Chemical, Materials and Biological Engineering

POST DETAILS

Job Title

NIHR Academic Clinical Fellow (ACF) – OMFS

Duration of the Post

ST1 entry to the post is 3 years in duration

Lead OMFS Scheme in which training will take place

OMFS training is within the East Midlands OMFS Training Programme.

Research institution in which training will take place

Oral & Maxillofacial Surgery,
School of Clinical Dentistry,
University of Sheffield,
19 Claremont Crescent
S10 2TA

OMFS is unique among medical specialties in requiring dual-qualification in both medicine and dentistry. As such, it sits at the interface between medical and dental specialties, providing holistic care to patients of all ages, with a diverse range of health challenges. There is a deficit of OMFS academics to drive and promote high-quality research, but the specialty has a long track record of innovation and delivering high-quality care.

The OMFS department has developed close links with a diverse range of academic departments at the University of Sheffield and beyond and contributes to local, regional and national research studies, along with international undergraduate and post-graduate training and education. It is a host site for Training Interface Group Fellowships in Head and Neck Oncology and international fellowships through the International Bone Research Association.

THE RESEARCH COMPONENT OF THE SPECIALTY SPECIFIC PROGRAMME

The post-holder will be supported to identify and conduct projects linked to departmental strengths, including complex needs such as Cancer, Long-term late effects of treatment, Infectious diseases and post-traumatic deformity, the role of biomaterials in reducing surgical complications, the use of 3D segmentation and printing techniques in surgery and the development of medical devices. Within these broad topics we use a wide range of methodologies and the post-holder will be encouraged to use and understand a range of qualitative and quantitative methods.

We encourage early career fellows to experience different skills and approaches at this stage, so that they develop a broad theoretical base. We aim to match their clinical interests to existing programmes in order that they work within an expert team. Our aim is that by the end of the fellowship, fellows can make informed choices about their preferred methodologies and topics and are well-placed to take these forward into a doctoral fellowship.

Research Protected Time:

Throughout the duration of the post, the ACF will have 25% Academic time and 75% Clinical OMFS training. We have examples of the timetables of our latest two NIHR ACFs which show the appropriate balance of individual study time, Clinical and Research sessions along with research supervision sessions.

Academic Clinical Fellowship Training Programme: Research Component

The ACF will meet with Mr Iain Varley, who will help clarify their integrated academic and clinical training needs and identify additional potential Clinical and Academic mentors within the department and the University. The ACF will also meet with the NIHR IAT Scheme manager to discuss their proposed funded training programme, including choices of MRes research modules at UoS and/or external research training.

The academic supervisors will commence academic support in the form of scheduled meetings throughout the post, with contact as needed in between these meetings as required.

The scheme has three objectives:

1. To provide high-quality clinical training and prepare trainees to progress into the final years of their specialty training, going on to pass the FRCS (OMFS) examination and gain specialist accreditation.
2. To support trainees in undertaking an individualised academic training programme with additional flexibility for those who already have a Master's or Doctoral-level degree in order to translate prior research experience into a new area.
3. To support trainees in conference presentations, publishing scientific papers and, for those wishing to continue in academic practice, to apply successfully for a Clinical Research Doctoral Fellowship and project research grants.

The academic training programme (ATP) comprises senior clinical academic supervision, a weekly seminar programme and a regular postgraduate peer learning group with oversight of the individualised training programme and progress by the Academic and Educational Supervisors. The ATP provides an opportunity to develop new and joint research proposals, progress writing for publication, fellowship and grant applications, with additional support from the University of Sheffield Clinical Trials Research Unit (CTRSU) and the Research Support Service (RSS).

Research academic clinical fellows are expected, within their protected academic time, to:

1. Prepare for academic 1:1 supervision
2. Undertake a research project as agreed with their academic supervisor, with additional support as needed within our clinical interdisciplinary research networks and including co-supervision with appropriate research and career mentors
3. Undertake the lead and co-authorship of research publications
4. Participate in and present at the weekly seminar
5. Prepare, lead and co-author academic presentations at regional and national conferences.
6. Gain experience in grant applications as lead or co-applicant

Specific enquiries about this integrated academic clinical training in Sheffield post should be directed to Mr Iain Varley as Academic Supervisor (iain.varley@sheffield.ac.uk)

Academic Clinical Fellowship Training Programme: Clinical Component

The clinical component of the training programme takes place in the Royal Hallamshire Hospital, Sheffield. The unit is a large tertiary referral centre with 2 major trauma centres and provides regional oncology services in addition. It is anticipated that trainees will achieve 100% of their required competencies within the 75% clinical time.

Review of Clinical and Academic Progress within the NIHR Academic Clinical Fellow integrated Clinical and Academic Training programme

The programme of clinical and academic training undertaken is in accordance with the requirements for speciality training, including satisfactory progress at ARCP as required by the Royal College of Surgeons. A Personal Development Plan will be agreed upon with your clinical and educational supervisors alongside a demonstration of academic progress throughout the scheme as agreed with your academic supervisor.

CONTACTS

Academic Lead (University) for the IAT Programme

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Academic Supervisors

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Educational and Clinical Supervisors

These will be allocated on appointment

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) Integrated Academic Training (IAT) page on https://www.nihr.ac.uk/explore-nihr/academy-programmes/integrated-academic-training.htm#one

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