### Description of ACF Programme:

- **Title:** Academic Clinical Fellowship in (Adult) Respiratory Medicine
- **Duration:** 3 years

### Lead NHS Hospital/Trust and contact details:

University Hospital Southampton  
Tremona Road  
Southampton  
SO16 6YD  

Contact:  
Dr Tom Wilkinson  
Associate Professor and Consultant in Respiratory Medicine  
t.wilkinson@soton.ac.uk

### Research Institution in which training will take place:

University of Southampton  
University Road  
Southampton  
SO17 1BJ

The NIHR Respiratory Biomedical Research Unit (RBRU) under the umbrella of the Southampton centre for biomedical research (SCBR) - a collaboration between the University of Southampton and University Hospitals NHS Foundation Trust, Southampton.

### Arrangements for protected research time:

The fellow will complete 9 months of protected research time focusing on respiratory disease to be conducted in their second year of specialist respiratory training. This protected period will be delivered within the University, UHs and RBRU and will form the focus for development of pilot data to furnish a fellowship application for a 3 year full time research project. (Wellcome Trust, NIHR, MRC).

### Research Objectives:

To develop a programme of clinically relevant research addressing the needs and mechanisms associated with respiratory health. The specific area of research within respiratory medicine is open for the candidate to discuss with local principle investigators. The active areas of endeavour currently investigating disease mechanisms and includes:

- **Idiopathic Pulmonary Fibrosis-** Professor Luca Richeldi
Bronchiectasis and Cystic Fibrosis Dr Mary Carroll
Severe Asthma Professor ratko Djukanovic Professor Peter Howarth Dr Ramesh Kurukulaaratchy
TB Dr Ben Marshall and Dr Paul Elkington
COPD, Airway Infection and Vaccine development Dr Tom Wilkinson
Lung Cancer Dr Vijayanad

Other research areas allied to respiratory medicine can be viewed by accessing the University and NIHR RBRU websites.

Description of research component of programme (up to 500 words):

Southampton offers a broad array of expertise and opportunities in respiratory research. The centre is recognised internationally for its basic and translational research into respiratory diseases. Our critical mass of clinical and basic scientists, seamless interaction between paediatric and adult clinicians, strong partnership between the University of Southampton Faculty of Medicine (UoS FoM) and University Hospitals Southampton NHS Foundation Trust (UHS) and our collaborative spirit, have served well our mission “To undertake excellent research and translate our discoveries into new therapeutics and diagnostics for inflammatory, immune-mediated and infectious diseases of the lungs across the life-course, for the benefit of our patients, the NHS and society.” Traditionally, our excellence has been in the pathogenesis and management of airways diseases, in particular asthma, and allergy. Building on this, over the past 10 years, we have grown strong programmes in COPD, neonatal and paediatric intensive care, and respiratory infectious diseases and, since the award of the Respiratory BRU (RBRU), have extended our research to adult intensive care and the role of nutrition/metabolism in respiratory illness.

Since 2008, the Respiratory BRU has strengthened Southampton’s translational research across the life-course for novel treatments and biomarkers to improve patient care. In line with the strategic aim of UK government and NIHR, our strategy is to build on existing strengths and develop synergies in new areas and with other groups to address major unmet needs. We will combine our translational science across the life-course in 4 specific areas: 1) Allergy, infection and immunity, 2) Airways disease, 3) Respiratory critical care and 4) Biomarkers and ex vivo models for stratified medicine, integrated for cost-effectiveness and synergy, with shared infrastructure and research with the other BRUs. Our specific aims are to deliver preventive and therapeutic advances in allergy and infection and to prevent progression/achieve better control of airways disease. We will apply stratified medicine approaches into paediatric and adult critical care and pulmonary fibrosis, all areas of unmet need where we can make a unique contribution. We will capitalize on Southampton’s expertise in neurodegeneration to study and treat the deleterious effects of lung inflammation on
cognitive function. In keeping with our collaborative ethos, we will integrate with other BRU/BRCs, universities and pharma and we will build capacity through training and excellence.

Description of clinical component of programme:

The clinical component of this programme will consist of two key training and exposure aspects:
- Specialist training in respiratory and general medicine
- Research into Respiratory Disease mechanisms, therapeutics or service development.

The respiratory and G(I)M clinical training component will follow the established JRCPTB curriculum and pathway for training in the Wessex Deanery approved by the programme director. The trainee will receive educational and clinical supervision under existing arrangements for respiratory medicine.

See attached program details from Wessex Deanery.

Specific support provided to trainee

The trainee will receive support, mentorship and supervision from their chosen supervisor in Respiratory Medicine who will have a track record of developing integrated respiratory and medical research and clinical development.

The SCBR has a training programme to support and mentor ACFs and other academic trainees not only in this early career phase but through to independent investigator status.
Milestones and timing of achievement of academic and clinical competencies

The following milestones will be applied:

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<thead>
<tr>
<th>Year 1</th>
<th>2015</th>
<th>Appointment to ACF post</th>
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<tbody>
<tr>
<td></td>
<td>NHS</td>
<td>Commencement of Respiratory and GIM training in regional hospital</td>
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<td></td>
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<td>Completion of Essential Respiratory Training Modules</td>
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<td></td>
<td></td>
<td>Mentorship meetings with research supervisory team to develop research theme</td>
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<td>Conduct and publication of a systematic review to establish the research method</td>
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<th>Year 2</th>
<th>2016</th>
<th>Good clinical practice research course</th>
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<tr>
<td></td>
<td>SCBR</td>
<td>Statistics for researchers and research methods course University of Southampton</td>
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<tr>
<td></td>
<td></td>
<td>Commence 9 month preliminary research experience</td>
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<td>Generate pilot data and fellowship application for further funding</td>
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<td>Clinical respiratory</td>
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<table>
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<tr>
<th>Year 3</th>
<th>2017</th>
<th>Continued clinical training in respiratory medicine</th>
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<td></td>
<td>NHS</td>
<td>Conduct and publication of a review in chosen field</td>
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<td>Presentation of pilot data at scientific meetings</td>
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<td>Interviews for fellowship</td>
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How post links in to the NIHR approved Research Training Programme at your locality:

This post is allied to the NIHR funded training programme supported within the SCBR.

Trainee centeredness:

The fellowship will enable the development of a novel and integrated approach to respiratory medicine. The scheme is new and can be flexible to accommodate the needs and preferences of the trainee. The potential research opportunities within the SCBR are broad and range across sub specialities and from basic science focused to clinical focused projects. This trainee after an initial orientation phase will be able to develop their own interest and through the mentoring structures develop a new and potentially exciting programme of research.

Quality assurance of the programme:

The clinical training component of the respiratory aspect of the programme will be assessed using the standard tools and appraisal structures supported by Wessex respiratory STC with the development of the e-portfolio and attendance at ARCPs. Trainee feedback and supervisor feedback will be collated annually and reviewed by the programme supervisors with feedback to the STC and BRU.

Mentoring Arrangements:
The appointed project supervisor will offer mentorship in cross discipline clinical and research development. The trainee will be offered a senior mentor from within the SCBR and external to the supervisory team to discuss their progress and any issues with the programme.

Academic Lead (University) for the IAT Programme:

Professor Eugene Healy
Professor of Dermatology
University of Southampton
Southampton General Hospital
Southampton SO16 6YD
Tel 023 8077 7222
E.Healy@soton.ac.uk

Academic Supervisor (University) Details:

To be appointed after interview
Coordinator
Dr Tom Wilkinson
University of Southampton
Southampton General Hospital
Southampton SO16 6YD
Tel 023 8077 5341
t.wilkinson@soton.ac.uk

Education Supervisor (Trust) Details:

TBC

Clinical Supervisor(s) Details:

The clinical supervision of the trainee will track the respiratory rotational programme with a clinical supervising consultant in each unit.

Deanery Programme Training Director Details:

Dr Kevin McKinlay
Hampshire Hospitals Hospital Foundation Trust
Kevin.McKinlay@hhft.nhs.uk

Deanery Programme Manager Details:

Mrs Elizabeth Martin
Programme Manager for Medicine
Wessex Deanery
NHS South of England
Southern House
Otterbourne
Winchester
Hampshire
Confirmation that ACF posts attract an NTN(a):

This post will attract a NTN (A)