**Job Description for Academic Foundation Programme**

**CHILD HEALTH**

**Host Trust**

**SOUTHAMPTON UNIVERSITY HOSPITALS NHS TRUST**

| DEPARTMENT            | Child Health  
<table>
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<tr>
<td></td>
<td>Southampton</td>
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<tr>
<td><strong>COMMENCEMENT DATES</strong></td>
<td>August, December, or April</td>
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<tr>
<td><strong>EDUCATIONAL SUPERVISOR NAME:</strong></td>
<td>Prof Howard Clark, Dr Saul Faust, Dr Graham Roberts, Dr Jane Lucas, Dr Cathy Hill, Dr Mark Beattie, Prof Colin Kennedy, Dr Fenella Kirkham or Prof Tony Postle</td>
</tr>
<tr>
<td></td>
<td>Enquiries: Prof Howard Clark <a href="mailto:h.w.clark@soton.ac.uk">h.w.clark@soton.ac.uk</a> or Dr Saul Faust <a href="mailto:s.faust@soton.ac.uk">s.faust@soton.ac.uk</a></td>
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<tr>
<td><strong>CLINICAL SUPERVISOR NAME:</strong></td>
<td>Allocated Child Health Consultant/Senior Lecturer</td>
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<tr>
<td></td>
<td>Contact Professor Clark or Dr Faust</td>
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<tr>
<td><strong>ADMINISTRATIVE CONTACT NAME:</strong></td>
<td>Miss Di Head</td>
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<tr>
<td></td>
<td><a href="mailto:deh@soton.ac.uk">deh@soton.ac.uk</a></td>
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<td><strong>MAIN EDUCATIONAL OPPORTUNITIES</strong></td>
<td>All trainees: Conduct of a research project to be established within the four months of the attachment but also continued throughout the F2 year with the expectation of the production of a presentation at a peer-reviewed conference, and publication in a peer-reviewed journal. Clinical sessions in acute paediatric medicine and optional speciality clinics related to research project.</td>
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### Speciality Options:

1. **Respiratory/Allergy:**
   - Opportunity to become involved with follow-up assessments of infants and young children (cohort studies on the early life origins of asthma and allergic disorders). Clinical work may include respiratory outpatient clinics, allergy and clinical immunology clinics, general paediatrics clinics. Assisting with performance of fibreoptic bronchoscopies on infants and young children.

2. **Infectious Diseases and Paediatric Intensive Care**
   - Opportunity to be involved in research in paediatric or neonatal sepsis or general paediatric infectious diseases. Project could have clinical and/or laboratory component depending on interests of individual. Clinical work may include clinics in infection/immunology, intensive care rounds, general paediatrics and clinical microbiology (use of antibiotics) and infection control.
3. Neonatal Medicine
In neonatal medicine there is the opportunity to become involved in research projects related to lung surfactant, nutrition of the preterm infant, chronic lung disease and treatment of neonatal patent ductus arteriosus. The project could have a clinical bias and/or include a laboratory component. Clinical work in neonatology would include attendance on intensive care nursery ward rounds, neonatal follow-up clinics and examination of newborns on the post natal wards.

4. Neurology and Sleep Medicine
Opportunity to be involved in sleep research – a programme of studies are underway to correlate objective measure of brain function with sleep disordered breathing across a spectrum of common childhood disorders including obstructive sleep apnoea. There are few paediatric polysomnography facilities in the UK and the post-holder will have the opportunity to learn how to conduct and interpret sleep studies as well as participate in a research programme that is recognised as leading research in the UK in this area. Clinical training in the Children’s Sleep Disorder service will be integral to this post.

5. Gastroenterology
Opportunity to be involved in projects within the Paediatric Gastroenterology Unit. Special interests of the unit include inflammatory bowel disease and the nutritional aspects of the management of children with chronic disease. There is an ongoing research collaboration with the Institute of Human Nutrition. The postholder will be encouraged to take on and complete a project with the aim being to complete, write up and present/publish within the F2 year. Clinical training in Paediatric Gastroenterology and Nutrition will be integral to this post.

6. General Paediatrics and Paediatric Pharmacology/Clinical Trials
Opportunity to conduct a research project in clinical pharmacology relating to general paediatrics or any paediatric subspeciality represented in Southampton. Training in interactions of child health with paediatric clinical research facility. Clinical training would be in related speciality clinic plus general paediatric clinics and weekly academic general paediatric ward round.
### FORMAL TEACHING PROGRAMMES

<table>
<thead>
<tr>
<th>Wessex Foundation School</th>
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<tr>
<td>Wessex Deanery is part of the South Central Strategic Health Authority and provides postgraduate medical and dental education for Hampshire, Isle of Wight, and the States of Jersey, and for Dorset and South Wiltshire on behalf of the South West Strategic Health Authority</td>
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**Generic research skills training** provided by the R&D Support Unit and the Wellcome Trust Clinical Research Facility, at Southampton General Hospital (10 half day sessions). This course will enable F2 trainees –

- To gain an overview of the scope of clinical research
- To learn about research methods and their appropriate application
- To learn about sources of knowledge and knowledge management
- To learn how to form research questions
- To learn how to critically appraise research
- To master elementary statistics and understand their application to research
- To understand the sources of funding for research and financial management of research
- To understand the ethics of research, consent and confidentiality
- To understand how research is regulated and governed

Between sessions participants will be expected to develop their own research projects involving the:

- Generation of research questions
- Design of research protocols
- Financial aspects of research
- Navigation through ethics and the regulation of research

In addition teaching may include the development of laboratory skills particularly in relation to allergy and immunology, with access to the allergy MSc.

### Further details

The University Child Health group has been at the heart of the evolving research strategy within the School of Medicine.

Members of the group are involved with several research divisions with perhaps the major focus being on Infection Inflammation and Repair [http://www.som.soton.ac.uk/research/iir](http://www.som.soton.ac.uk/research/iir) and Developmental Origins of Health and Disease [http://www.som.soton.ac.uk/research/dohad](http://www.som.soton.ac.uk/research/dohad).

However, there are additional members involved with:
- Cancer Sciences [http://www.som.soton.ac.uk/research/cancersciences/](http://www.som.soton.ac.uk/research/cancersciences/)
- Clinical Neurosciences [http://www.som.soton.ac.uk/research/neuro/](http://www.som.soton.ac.uk/research/neuro/)
- Human Genetics [http://www.som.soton.ac.uk/research/geneticsdiv](http://www.som.soton.ac.uk/research/geneticsdiv).
### EXAMPLE TIMETABLE ONLY – EXAMPLE GIVEN IS FOR RESPIRATORY

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<tr>
<th>PROGRAMME CHANGES FOR INDIVIDUAL SPECIALITY</th>
<th>Monday</th>
<th>Tuesday</th>
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<tr>
<td>a.m.</td>
<td>Fibreoptic bronchoscopies, Wellcome Trust Clinical Research Facility</td>
<td>Paediatric Respiratory Clinic (Dr Roberts)</td>
<td>9am – 11.30am Post take academic ward round</td>
<td>8.30 – 9.30am Paediatric grand round</td>
<td>General Paediatric Clinic (Dr Abay)</td>
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<td>1pm-2pm - Academic Case Grand Round</td>
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<td>8.30 – 9.30am Paediatric grand round</td>
<td>2pm – 3pm (once a month) Paediatric Clinical Immunology Clinic (Dr Faust)</td>
<td>2pm – 3pm (once a month) Paediatric Clinical Immunology Clinic (Dr Faust)</td>
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<tr>
<td>p.m.</td>
<td>Processing bronchoscopy specimens, learning techniques of cytology, and if desired, other techniques for evaluating inflammation markers</td>
<td>1pm – 2pm 4th year students presenting study in depth projects, attending meeting</td>
<td>1pm – 2pm (alternate weeks) Paediatric Radiology meeting</td>
<td>2pm – 3pm Paediatric Radiology meeting</td>
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<td>Late shift on Paediatric Assessment Unit (variable day)</td>
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### OUT OF HOURS / ON CALL:

**Hours Worked**

Monday to Friday 8.30 – 5.30 pm core hours
Afternoon/Evening shifts as appropriate on the acute paediatric medical assessment unit supervised by on-call SpR or consultant.

**Work Pattern:**

Monday to Friday 8.30 – 5.30 pm core hours
Afternoon/Evening shifts as appropriate on the acute paediatric medical assessment unit supervised by on-call SpR or consultant.

**Planned Changes**

Could occur based on experience of F2 cohort in 2006-07 after discussion with supervisors and trainees.

**Funded**