## Academic Foundation Programme Job Description

<table>
<thead>
<tr>
<th>Academic Foundation Programme Title</th>
<th>Medicine – Human Development and Health</th>
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<tbody>
<tr>
<td><strong>Employing Trust</strong></td>
<td>University Hospitals Southampton NHS Foundation Trust</td>
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<tr>
<td><strong>Department</strong></td>
<td>Human Development &amp; Health Academic Unit</td>
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<tr>
<td><strong>Commencement Dates</strong></td>
<td>August, December, or April</td>
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</tbody>
</table>
| **Educational Supervisor**          | Professor Cyrus Cooper  
Email: cc@mrc.soton.ac.uk  
Tel: 02380 764032 |
| **Clinical Supervisor**             | Professor Elaine Dennison and Dr Nicholas Harvey  
Email: emd@mrc.soton.ac.uk; nch@mrc.soton.ac.uk  
Tel: 02380 777624 |
| **Administrative Contact**          | Gill Strange  
Email: gis@mrc.soton.ac.uk  
Tel: 02380 764032 |
| **Main Educational Opportunities**  | Academic trainees will meet with their academic supervisor during their F1 year to discuss the specialties and research opportunities available to them and will select a project/specialty in which to conduct his/her academic training. |

### Educational Opportunities:

- Opportunity to gain experience in Musculoskeletal Epidemiology, and undertake a research project utilising the unique national cohorts at the MRC Lifecourse Epidemiology Unit (Hertfordshire Cohort Study, Southampton Women’s Survey).

- Clinical projects on the risk assessment and management of patients with Osteoporosis, Osteoarthritis, and soft tissue Rheumatic disorders.

- Experience of clinical trial methodology with the MAVIDOS Maternal Vitamin D Osteoporosis Study.

- Potential for exposure to laboratory science, in laboratories of the fetal physiology, human nutrition, and bone research groupings.

- Experience of clinical rheumatology through outpatient clinics, ward rounds and education sessions.

Attendance at weekly postgraduate meetings in Rheumatology.
| Formal Teaching Programmes | 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.  

Epidemiology for Clinicians annual course.  

BSR Core Course in Rheumatology.  

Weekly postgraduate rheumatology meeting including clinical case discussion, audit, external lecture and radiology discussion |
TIMETABLE

An example of the potential Rheumatology training timetable is provided below:

<table>
<thead>
<tr>
<th></th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.m.</td>
<td>Rheumatology</td>
<td>Research MRC</td>
<td>Ward round</td>
<td>Research MRC</td>
<td>Clinical research training</td>
</tr>
<tr>
<td></td>
<td>OPD</td>
<td>LEU/laboratory</td>
<td></td>
<td>LEU/laboratory</td>
<td>Wellcome Trust CRF</td>
</tr>
<tr>
<td>p.m.</td>
<td>Research MRC</td>
<td>Injection clinic</td>
<td>Postgraduate afternoon</td>
<td>Research MRC</td>
<td>OPD/ Ward round/ Research</td>
</tr>
<tr>
<td></td>
<td>LEU/laboratory</td>
<td></td>
<td></td>
<td>LEU/laboratory</td>
<td></td>
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</table>

OUT OF HOURS / ON CALL:

<table>
<thead>
<tr>
<th>Hours Worked</th>
<th>Work Pattern: No fixed on-call; potential for linkage into acute medicine rota as negotiated</th>
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<tr>
<td>Planned Changes</td>
<td>Potential for extension of laboratory research projects offered to other groupings within the Division.</td>
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For further details of opportunities for research in the Human Development & Health Academic Unit see school of medicine website at: [http://www.southampton.ac.uk/medicine/academic_units/academic_units/human_development_health.page](http://www.southampton.ac.uk/medicine/academic_units/academic_units/human_development_health.page)