

**Programme 1 – Paediatrics – based at King’s College Hospital**

Reference: 2122/KCL/01

Individual Placement Descriptor (IPD) for the four month academic placement

Separate IPDs for clinical placements are available on foundation school websites

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| <p><b><i>Type of programme</i></b></p> <p>The research placement will be based within the Lung Biology research group (Paediatrics) in the School of Life Course Sciences, Faculty of Life Sciences and Medicine.</p>   |  |
| <p><b><i>Employing trust:</i></b></p> <p>King's College Hospital NHS Foundation Trust</p>   | <p><b><i>Academic placement based at:</i></b></p> <p>King’s College Hospital</p> |
| <p><b><i>Brief outline of department</i></b></p> <p>The Lung Biology research group is led by Professor Anne Greenough. The research programmes are internationally competitive and in 2005, the MRC and Asthma UK established a MRC-Asthma UK Centre in Allergic Mechanisms of Asthma in partnership with, Imperial College and associated NHS Trusts. Professor Greenough collaborates with colleagues in the Centre, as well as with those from paediatric surgery, paediatric haematology, fetal medicine, obstetrics and virology. International collaborations include being part of European networks investigating the impact of respiratory syncytial virus, congenital diaphragmatic hernia and inhaled nitric oxide.</p>   |  |
| <p><b><i>Structure of academic project/what expected</i></b></p> <p>The research interests of the Lung Biology group include factors affecting antenatal lung growth, optimisation of neonatal and paediatric mechanical ventilation, prevention of chronic respiratory morbidity and the impact of viral and chronic paediatric disorders on lung function, in particular preventing and treating the adverse respiratory consequences of sickle cell disease. The trainee will undertake a well-defined research project within the research programme according to their interests usually leading to a peer reviewed publication. It is anticipated they will write a review with AG and contribute as a co-author to a research study of one of the other members of the research group.</p> |  |
| <p><b><i>Clinical commitments during academic placement</i></b></p> <p>During the clinical placement, the trainee will develop core competencies within the context of the healthcare management of new born infants and their families, assist in teaching of undergraduate students and be involved in the research interests of the group. There are no clinical commitments during the four months of the academic programme.</p>   |  |

***Departmental academic teaching programme (if applicable)***

Weekly journal club, grand round and research meeting.

***Academic Lead:***

Professor Anne Greenough  
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