# 29/SM/SCM

# Respiratory Medicine/Immunology/Virology

**Module Tutors:** Professor Sebastian L Johnston

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**Reporting Instructions**

Department of Respiratory Medicine, Room 352, 3rd Floor, Wright Fleming Institute of Infection and Immunology, Medical School Building, St Mary’s Hospital

**Aims**

* Clinical experience of outpatient respiratory medicine with a special interest in asthma and airway disease.
* Option of laboratory experience of a wide variety of research projects involving respiratory virology/immunology and mechanisms of respiratory disease including asthma.

**Background Information**

The department has three professors, a senior lecturer, and around 45 active research scientists/clinicians. It is the leading centre for respiratory infections in the UK and will provide you with an excellent taste of the scientific challenges of research and the application of research to clinical problems.

**Key Learning Events**

* Up to 4 outpatient clinics weekly with the option of further time in the chest clinic and on the wards.
* A thriving academic research department with time allocated with the clinicians/scientists working on research projects of interest.
* Regular department meetings with educational presentations and a weekly tutorial in respiratory medicine.
* Time with the scientists/clinicians undertaking research in the department to gain a taste of what integrated clinical and basic research can offer.
* A mix of clinical experience in respiratory medicine and basic science respiratory research.
* Exposure to laboratory research techniques relevant to respiratory medicine, virology, tuberculosis and immunology.

**Recommended Reading**

Contoli M, Message SD, Johnston SL *et al.* Role of deficient type III interferon-λ production in asthma exacerbations. Nature Medicine 2006 **12**:1023-1026.

Johnston SL, *et al* The effect of telithromycin in acute exacerbations of asthma. N Engl J Med. 2006 **354**:1589-600.

Liebeschuetz S, Lalvani A. *et al* Diagnosis of tuberculosis in South African children with a T cell-based assay: a prospective cohort study *Lancet* 2004; **364**:2196-203

Smyth,R.L. and P.J. Openshaw. 2006. Bronchiolitis. Lancet **368**:312-322.

**Maximum number of students**: 2