

Dr Alice Turner

Senior Clinical Lecturer

Cardiovascular and Respiratory Sciences

Contact details

Telephone [+44\(0\)121 371 3226](tel:+44(0)121 371 3226) (tel:+44 121 371 3226)

Email a.m.wood@bham.ac.uk (mailto:a.m.wood@bham.ac.uk)

School of Clinical and Experimental Medicine
College of Medical and Dental Sciences
University of Birmingham
Edgbaston
Birmingham
B15 2TT



About

Alice Wood is a Senior Clinical Lecturer and Specialist Registrar in Respiratory Medicine.

Her research interests are predominantly in chronic obstructive pulmonary disease and alpha 1 antitrypsin deficiency, fields in which she has published just over 20 papers in the last 5 years. She lectures to both Medical and Dental Students at the University and is involved in clinical teaching and examining in several local hospitals.

Qualifications

- PhD
- PGCE(MedEd)
- MRCP
- MBChB (Hons)

Biography

Alice completed her primary medical degree at the University of Leicester, graduating in 2001, and gaining membership of the Royal College of Physicians in 2004. She went to complete a qualification in medical education at the University of Dundee in 2007, and a PhD in respiratory medicine at the University of Birmingham in 2010.

Her research career to date has centred on genetic and environmental modifiers of chronic obstructive pulmonary disease (COPD), with more recent interests in the autoimmunity hypothesis of COPD and the role of the vitamin D axis in lung disease. Some of her work in the latter area resulted in the award of the European Lung Science Young Investigator Prize in 2010. The majority of her research has been carried out in Birmingham, although she has strong collaborative links with Harvard University, where she spent a short sabbatical in 2009.

Her clinical work centres on two hospitals in Birmingham, Queen Elizabeth Hospital and Heartlands Hospital, where she works as a specialist registrar in respiratory medicine.

Teaching

- MBChB teaching – first year preclinical lectures, third, fourth and final year clinical teaching, final year therapeutics teaching, examining final year therapeutics
- MBChB personal mentoring programme
- BMedSci final year project supervision
- BDS teaching – obstructive lung disease lectures

Postgraduate supervision

MD – The pharmacogenetics of vitamin D response in tuberculosis

Research

Research interests – the role of the vitamin D axis in the lung, genetic and environmental influences on lung disease, particularly chronic obstructive pulmonary disease and alpha one antitrypsin deficiency.

Ongoing projects – the role of vitamin D binding protein in airways disease and lung cancer, the role of autoimmunity in COPD, clinical trial of vitamin D supplementation in tuberculosis

Other activities

Heart of England NHS Trust and University Hospitals Birmingham – Specialist Registrar in Respiratory Medicine

Publications

Wood AM, Newby PR, Simmonds MJ, Gough SCL & Stockley RA, CTLA4 polymorphisms and COPD, **ERJ** (2010) 35: 457-8

Wood AM, Ayres JG, Semple S, Harrison RM & Stockley RA, Outdoor air pollution is associated with rapid decline of lung function in AATD, **Occupational and Environmental Medicine** (2010) 67: 556-61

Sapey E, AM Wood, A Ahmad & RA Stockley, TNF α rs361525 polymorphism is associated with increased local production and downstream inflammation in COPD, **AJRCCM** (2010) 182: 192-9

Wood AM, de Pablo P, Newby PR, Buckley C & Stockley RA, Smoke exposure as a determinant of auto-antibody titre in AATD and COPD, **ERJ** (2010) 37: 32-8

Chishimba L, Thickett DR, Stockley RA & Wood AM, The vitamin D axis in the lung: a key role for vitamin D binding protein, **Thorax** (2010) 65: 456-62

Wood AM, Bassford C, Webster D, Newby PR, Rajesh P, Stockley RA & Thickett DR, Vitamin D binding protein contributes to COPD by activation of alveolar macrophages, **Thorax** (2010) Epub ahead of print

AM Wood, Re-evaluating COPD risk: just a matter of definition, **AJRCCM** (2010) In press

E Sapey & AM Wood, Autoantibodies and inflammation - a case of the chicken and the egg? **AJRCCM** (2010) In pres

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