

Mr Matt Edmunds MRCP MRCOphth

Clinical Research Fellow in Ophthalmology

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About

Matt Edmunds is a Wellcome Trust Clinical Research Fellow in the Academic Unit of Ophthalmology, College of Medical and Dental Sciences.

Matt's specialist interest within Ophthalmology is the immunology of Thyroid-Associated Ophthalmopathy (also known as Graves' Ophthalmopathy or Thyroid Eye Disease).

Matt is keen to promote awareness of Thyroid-Associated Ophthalmopathy and has previously supported patient-focused sessions run by the Thyroid Eye Disease Charitable Trust (TEDct)

Qualifications

- MRCOphth, Royal College of Ophthalmologists 2008
- MRCP, Royal College of Physicians 2006
- MBChB (with Honours), University of Birmingham 2002
- BMedSci (with Honours), University of Birmingham 1999

Biography

Matt Edmunds graduated from the University of Birmingham Medical School in 2002, gaining the Queen's Scholarship for joint first place in his medical school graduating year. During his medical training he gained a first class honours intercalated degree in Pharmacology. He undertook general medical training in Birmingham, Nottingham and Auckland, New Zealand, gaining Membership of the Royal College of Physicians in 2006. He has been a Specialty Registrar on the West Midlands Ophthalmology rotation since 2006 and gained Membership of the Royal College of Ophthalmologists in 2008. He is currently undertaking a PhD in the School of Infection and Immunity, College of Medical and Dental Sciences, entitled "Role of T Cells and Fibroblasts in the Phenotype and Antigen Specificity of Thyroid-Associated Ophthalmopathy".

Research

RESEARCH THEMES:

Ocular Immunology, Autoimmunity, T Lymphocytes, Fibroblasts, Thyroid-Associated Ophthalmopathy, Clinical Trials

RESEARCH ACTIVITY:

The aim of Matt's research is to investigate further the interaction between T lymphocytes and orbital fibroblasts in patients with Thyroid-Associated Ophthalmopathy, an inflammatory condition of the orbit, closely associated with autoimmune thyroid disease, particularly Graves' disease. The eventual goal is to translate fundamental immunological abnormalities in this condition into novel therapies that will be of genuine benefit to patients. On this basis, he is keen to collaborate with other clinicians, researchers and groups with particular interest or focus on Thyroid-Associated Ophthalmopathy in any form of clinical or basic science research.

Other activities

- Undertaking a Masters degree in Medical Education
- Honorary Clinical Tutor, University of Birmingham Medical School
- Clinical ophthalmology teaching for local general practitioners
- Part of organising team for OCULUS FRCOphth Part 2 examination course

Publications

Edmunds MR, Kipioti A, Colloby PS, Reuser TT. A case of ectopic cilia in nail-patella syndrome. *Int Ophthalmol*. 2012 Jun;32(3):289-92.

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Hawker MJ, **Edmunds MR**, Vernon SA, Hillman JG, MacNab HK. The relationship between central corneal thickness and the optic disc in an elderly population: the Bridlington Eye Assessment Project. *Eye* 2009;23:56-62.

Ma BY, Tannock IF, Pond GR, **Edmunds MR**, Siu LL. Chemotherapy with gemcitabine-containing regimens for locally recurrent or metastatic nasopharyngeal carcinoma: The Princess Margaret Hospital Experience. *Cancer* 2002;95:2516-2523.

Edmunds MR, Davison JE, Wood AL, Raichura V. Few university students from overseas have been vaccinated against meningococcal infection. *BMJ* 2001;322:102.

Towers S, Princivalle A, Billinton A, **Edmunds MR**, Bettler B, Urban L, Castro-Lopes J, Bowery NG. GABAB receptor protein and mRNA distribution in rat spinal cord and dorsal root ganglia. *Eur J Neurosci* 2000;12:3201-3210.

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