

Spontaneous models of human disease

Feb 2nd 2007

- 9:15 – 9:45** **Registration**
- 9:45 – 10:00** **Introduction by the Chair:** *Dr Sonia Quaratino, Reader in Immunology, Cancer Research UK Clinical Centre, University of Southampton*
- 10:00 – 10:20** **Why use spontaneous models of human disease?**
Professor Elizabeth Simpson, Imperial College London
- 10:20 – 10:40** **The NOD mouse model of Type 1 diabetes**
Professor Anne Cooke, University of Cambridge, UK
- 10:40 – 11:10** **Mid-morning break**
- 11:10 – 11:30** **A novel humanized animal model of spontaneous autoimmune thyroiditis**
Dr Ester Badami, Cancer Sciences Division, University of Southampton
- 11:30 – 11:50** **Understanding the Pathogenesis and Treatment of Multiple Sclerosis Through Experimental Models**
Professor David Wraith Cellular and Molecular Medicine, University of Bristol
- 11:50 – 12:10** **Humanized, spontaneous transgenic models of MS – immunology, imaging and therapeutics.**
Professor Daniel Altmann Imperial College, London
- 12:10 - 12:30** **Spontaneous and induced models of rheumatoid arthritis**
Dr Richard Williams, Kennedy Institute of Rheumatology, Imperial College London
- 12:30 - 13:00** **Discussion**
- 13:00 - 14:00** **Lunch**
- 14:00 – 14:20** **A mouse model for celiac disease**
Dr Mauro Rossi. Istituto di Scienze dell'Alimentazione, Naples, Italy
- 14:20 – 14:40** **The myodystrophy mouse; providing insights into the glycobiology of muscular dystrophy**
Professor Jane Hewitt, Institute of Genetics, University of Nottingham
- 14:40 – 15:00** **What have we learned from spontaneous animal models of muscular dystrophy**
Professor Dominic J Wells, Imperial College London, UK
- 15:00 – 15:30** **Afternoon Break**
- 15:30 – 15:50** **Molecular Regulation of Lymphocyte Homeostasis**
Dr Mike Lenardo, Chief, Molecular Development Section Laboratory of Immunology, NIAID, NIH, USA
- 15:50 – 16:10** **Mouse Models of Arteriosclerosis**
Professor Qingbo Xu, BHF John Parker Chair of Cardiovascular Sciences, King's College London, UK
- 16:10 – 16:30** **Mouse models of immunodeficiency and immunopathogenesis by conditional mutagenesis in myeloid and lymphoid lineages**
Dr Jürgen Roes, University College London, UK
- 16:30 – 16:50** **The Immunological Disease Continuum- Implications for animal models**
Professor Dennis McGonagle, University of Leeds ,UK
- 16:50 – 17:20** **Discussion and Chairman's summing up**