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***