

Identifying T cell subset phenotype and function: Alpha/beta,gamma/delta, regulator, helper, NK and cytotoxic T cells

16 March 2007

- 09:00 – 09:45 Registration - Tea/Coffee
- 09:15 – 09: 35 ***Tour of the BioPark** by William Sprigings(Marketing Director) or Steve Read (General Manager)
- 09:45 – 10:00 **Introduction by the Chair: Dr Catherine Derry**, Science Communicator
10:00 – 10:30 **Tracking down Unconventional T cells and Their Roles in Protection and Pathogenesis**
Professor Adrian Hayday, King's College London, School of Medicine, UK
- 10:30 – 11:00 **Magnetic Separation for T cell Subset Sorting & Identification**
Dr Dawn Farrar, Miltenyi Biotec, UK
- 11:00 – 11:30 Morning Tea/Coffee and poster viewing
- 11:30 – 12:00 **Tracking the interplay between antigen-specific naïve and regulatory T cells *in vivo***
Dr Jian-Guo Chai, Faculty of Medicine, Imperial College of Science, Technology & Medicine, UK
- 12:00 – 12:30 **Adoptive cell therapy with “customized” antigen-specific CD4+CD25+ Tregs**
Dr Giovanna Lombardi, King's College School of Medicine, UK
- 12:30 – 13:00 **Functional characterization of CD4+CD25+ regulatory T cells – fundamental mechanisms and implications for the pathogenesis of autoimmune disease**
Dr Oliver Garden, Imperial College, London
- 13:00 – 14:00 Lunch and poster viewing
- 14:00 – 14:30 **A TRAP assay (Trogocytosis Analysis Protocol) to detect, quantify, characterize and purify antigen specific live lymphocytes by flow cytometry, via their capture of membrane fragments from antigen presenting cells**
Denis Hudrisier, IPBS, France
- 14:30 – 15:00 **Immune Response in Pregnancy: an inflammatory view**
Professor Ian Sargent, University of Oxford, UK
- 15:00 – 15:30 Afternoon Tea/Coffee and last poster viewing
- 15:30 – 16:00 **Chronic Trichuris muris infection suppresses skin allergen responses and Langerhans cell migration**
Mr Neil Humphreys, University of Manchester, UK
- 16:00 – 16:30 **Instruction of effector CD4+ T lymphocytes by dendritic cells; the power of flow cytometry in immunological research**
Dr Schuitemaker, Cadama Medical Ltd
- 16:30 – 17:00 **New differentiation pathway for double-negative regulatory T-cells that regulates the magnitude of immune responses**
Dr Xin Xiao Zheng, Center for Protein Therapeutics Transplantation Research Center Beth Israel Deaconess Medical Center, Boston, USA
- 17:00 **Chairman's summing up & close.**
- 17:00 – 17: 20 ***2nd Tour of the BioPark**