



Research & Innovation 2017

Cells as Models of Disease & New Therapeutics
29th - 30th March 2017, HOMERTON COLLEGE, CAMBRIDGE

Immunotherapy - Thursday 30th March 2017

Immune therapies have had a major impact in the treatment of many human diseases, from early discoveries of bacterial cell wall components as vaccine adjuvants and corticosteroids for the treatment and prevention of asthma, through to the development of specific monoclonal antibodies which have revolutionised the treatment of rheumatoid arthritis and psoriasis. Despite advances in the development of immunotherapies, many patients with immune-mediated diseases still do not have their disease well controlled and there is a continuing need for better treatments. Our greatest challenges are to understand at a cellular and molecular level the mechanisms which control the innate and adaptive immune response in health and disease, and to use these findings to identify safer and more effective medicines. In this track, scientists from academia and industry will present advances in target and disease biology and we will see examples of how these findings can be applied to develop next generation immune therapy drugs.

SESSION CHAIRS: Peter Morley, GlaxoSmithKline and Rachel Chambers, UCL

TIME	SPEAKER	TITLE
09:05 - 09:15	Session Chairs	Opening Remarks & Introduction of Keynote
09:15 - 10:15	PLENARY KEYNOTE: Richard Eglen (Corning)	To boldly go ...exploring new dimensions in cellular research and drug discovery
10:15 - 10:30	VENDOR SNAPSHOTS (max 2 companies)	
10:30 - 11:00	COFFEE BREAK	
11:00 - 11:10	Session Chairs	Introductions
11:10 - 11:40	Tracy Hussell (Manchester University)	Therapeutics for inflammatory lung disease: looking down the wrong end of the telescope
11:40 - 11:45	VENDOR SNAPSHOT	
11:45 - 12:15	Michele Bombardieri (William Harvey Research Institute)	Targeting ectopic lymphoid structures in rheumatic autoimmune diseases
12:15 - 12:25	VENDOR SNAPSHOTS	
12:25 - 12:55	POSTER TASTERS: Andrew Williams (UCL), Anne Dickinson (Alcyomics)	
12:55 - 14:00	LUNCH (EXHIBITION & POSTERS)	
14:00 - 14:30	Matt Lindon (GlaxoSmithKline)	Epigenetic targets for the treatment of human diseases
14:30 - 15:00	Robert Snelgrove (Imperial College London)	The opposing roles of LTA4H in regulating pulmonary inflammation and new opportunities for therapeutic intervention.
15:00 - 15:30	COFFEE BREAK	
15:30 - 16:00	Giovanna Lombardi (Kings College London)	Regulatory T cell therapy in organ transplantation
16:00 - 16:30	Ezra Aksoy (Queen Mary University of London)	Isoform selective roles of PI3Ks in innate immunity and inflammation
16:30 - 17:00	Elizabeth England (Medimmune)	Discovery of novel IL-33 regulation and blocking mAbs
17:00 - 17:15	CONFERENCE CLOSE	