

THERAPEUTIC TOLERANCE: FIRST-IN-HUMAN DATA
27th - 30th June 2017
**Research Beehive, Old Library Building,
Newcastle University, Newcastle upon Tyne**
DRAFT PROGRAMME
Tuesday 27th June

12.00	Registration and lunch	
13.30	Professor John Isaacs	Welcome and introduction
13.40	Keynote speaker Ron Germain (NIH, USA)	Imaging the immune system

Session 1 - Cells and Mechanisms
Chaired by John Isaacs

14.30	Georg Hollander (Oxford, UK)	The Thymus – a 2017 perspective
14.50	Ethan Shevach (NIH, USA)	What's the latest in regulatory T-cells
15.10	Herman Waldmann (Oxford, UK)	Novel antibodies with improved properties
15.30	David Samson (UCL, UK)	What does CTLA4 really do?
15.50	Discussion	
16.10	<i>Coffee break (Poster/exhibitor viewing)</i>	

Session 2 – Breaking Tolerance in Cancer
Chaired by Andy Mellor

16.30	Samir Khleif (Augusta, USA)	Rational design for combination immunotherapy
16.50	Ted Johnson (Augusta, USA)	Trials and tribulations in breaking tumour tolerance
17.10	Dario Vignali (Pittsburgh, USA)	Tolerance and cancer
17.30	Robert Wilkinson (Medimmune)	Immunological targets to combat cancer
17.50	Discussion	
19.00 (TBC)	Conference dinner	

Wednesday 28th June
Session 3 – New Concepts in Tolerance
Chaired by

08.30	Tea/coffee	
08.45		
09.05	Paul-Peter Tak (Stevenage, UK)	Immunomodulation by vagal nerve stimulation
09.25	George Kassiotis (CRICK, UK)	Endogenous retroviruses and the breakdown of immune tolerance
09.45	Femke van Wijk (Utrecht, Netherlands)	Resetting T-cell regulation in Juvenile Idiopathic Arthritis
10.05	Ignacio Anegón (Nantes, France)	CD8+ Tregs as mediators of immune tolerance
10.25	Discussion	
10.45	<i>Coffee break (Poster/exhibitor viewing)</i>	

Session 4 – Short oral presentations
Chaired by

11.05	
11.20	
11.35	
11.50	
12.05	
12.20	<i>Lunch (Poster/exhibitor viewing)</i>

Session 5 – Tolerance Biomarkers in Autoimmune Disease
Chaired by

13.20	Maria Hernandez-Fuentes (KCL, UK)	Biomarkers in transplantation tolerance
13.40	John Isaacs (Newcastle, UK)	Update on the RA-MAP consortium
14.00	Georg Schett (Erlangen, Germany)	Autoantibodies as tolerance biomarkers
14.20	Helmut Jonuleit (Mainz, Germany)	Tolerogenic targets in regulatory T-cells
14.40	Anish Suri (Turnhoutseweg, Belgium)	Parsing the TCR repertoire in RA to enable tolerogenic trials
15.00	Discussion	
15.20	<i>Coffee break (poster/exhibitor viewing)</i>	

The Great Debate (1)
Chaired by

15.40	Debate: Therapeutic Tolerance: Pie-in-the-Sky or Just-Around-the-Corner? Debaters to be announced	
16.40	Poster session	
18.40	Close	

Thursday 29th June
Session 6 – Cellular Therapies – first-in-human results
Chaired by

08.30	Tea/coffee	
08.45	Giovanna Lombardi (KCL, UK)	Tregs in kidney transplantation – first-in-human data
09.05	Piotr Trzonkowski (Gdansk, Poland)	Tregs therapies in type I diabetes
09.25	Maria Ester Bernardo (Milan, Italy)	Mesenchymal stem cells for tolerance induction in human disease
09.45	Catharien Hilkens (Newcastle, UK)	Tolerogenic dendritic cell therapy for rheumatoid arthritis
10.05	James Hutchinson (Regensburg, Germany)	Regulatory macrophages in kidney transplantation – first-in-human data
10.25	Discussion	
10.45	<i>Coffee break (Poster/exhibitor viewing)</i>	

Session 7 - Peptides
Chaired by

11.05	David Wraith (Birmingham, UK)	Apitope therapy in MS and other conditions
11.25	Mark Peakman (KCL, UK)	Peptide therapy in diabetes
11.45	Kei Kishimoto (Massachusetts, USA)	Tolerogenic nanoparticles
12.05	Ranjey Thomas (Brisbane, Australia)	Dendritic-cell targeting platforms for antigen-specific immunotherapy
12.25	Willem van Edén (Utrecht, the Netherlands)	The enigma of heat shock proteins in immune tolerance
12.45	Discussion	
13.05	<i>Lunch (Poster/exhibitor viewing)</i>	

Session 8 – Tolerogenic Antibody Therapy
Chaired by

14.05	Lucienne Chatenoud (Paris, France)	Anti-CD3 – an update
14.25	Alasdair Coles (Cambridge, UK)	Alemtuzumab in Multiple Sclerosis
14.45	Andy Cope (KCL, UK)	Treating very early autoimmunity
15.05	Mike Ehrenstein (UCL, UK)	Anti-TNF as a tolerogenic therapy
15.25		
15.45		
16.05	Discussion	
16.25	<i>Coffee break (Poster/exhibitor viewing)</i>	

The Great Debate (2)
Chaired by

- 16.45 Debate: This house believes that autoimmunity is simply a manifestation of perverted allergy.
Debaters to be announced
- 17.45 Close
- 19.00 (ish) Conference dinner

Friday 30th June

08.30 Tea/coffee

- 08.45 **Keynote speaker**
Lars Klareskog (Stockholm, Sweden) Evolution of an autoimmune disease – a window of opportunity for tolerance induction?

Session 9 – Metabolism and Metabolomics
Chaired by

- 09.35 **Andy Mellor** (Newcastle, UK) IDO and tolerance – where are we now?
- 09.55 **Hozefa Bandukwala** (Massachusetts, USA) Anti-anabolic drugs and immunosuppression
- 10.15 **Duncan Howie** (Oxford, UK) How FoxP3 regulates immune metabolism
- 10.35 **Eva Palsson-McDermott** (Dublin, Ireland) Metabolism and immune tolerance
- 10.55 Discussion
- 11.15 *Coffee break (Poster/exhibitor viewing)*

Session 10 – Immunotherapeutics
Chaired by

- 11.35 **Jaap van Laar** (Utrecht, Netherlands) Hematologic transplantation as a therapy for autoimmunity
- 11.55 **Andreas Radbruch** (Berlin, Germany) Restoring B cell tolerance
- 12.15 **Michelle Rosenzweig** (Paris, France) Low dose IL-2 therapy
- 12.35 **Luis Graca** (Lisbon, Portugal) Tolerance to Factor VIII
- 12.55 **Claudia Mauri** (London, UK) Regulatory B Cells
- 13.05 Discussion
- 13.25 *Closing remarks and poster prizes (lunch)*