

Guiding the action of the immune system

Interactions between the immune system and non-immune tissues

Wednesday March 31, 2010

Session 1: Development of lymphoid organs

- Tom Cupedo (Rotterdam, The Netherlands): Human lymph node development: an inflammatory interaction.
- Willem van Ewijk (Rotterdam, The Netherlands): The thymus: classrooms, teachers and students.

Session 2: Communication between non-immune and immune cells

- Sanjiv Luther (Lausanne, Switzerland): Guiding blind T cells and dendritic cells: a close look at fibroblasts found within lymph node T zone.
- Chris Buckley (Birmingham, United Kingdom): Why does chronic inflammation persist; an unexpected role for stromal cells.

Session 3: Migration

- Stephen Ward (Bath, United Kingdom): Sat-Nav For T cells: Role of PI3K isoforms and lipid phosphatases in migration of human CD4+ T cells.
- Peter Friedl (Nijmegen, The Netherlands): Dynamic imaging of CTL interaction with cancer cells.

Evening lecture

- Andreas Radbruch (Berlin, Germany): Bone marrow stroma organizing immunological memory.

Thursday April 1, 2010

Session 4: Role of tissue in modulation of the immune response

- Edgardo Carosella (Paris, France): HLA-G, a major molecule of immune tolerance: key role in feto-maternal tolerance and transplantation.
- Nico Bos (Groningen, The Netherlands): How bugs and men live in harmony: Role of defensins in gut microbial composition and Th17 development.

Session 5: Role of inflammation in innate and adaptive immune responses

- Edward Knol (Utrecht, The Netherlands): Basophils and mast cells: Underdog in immune regulation?
- Michael Sixt (Martinsried, Germany): Interpretation of chemotactic cues by leukocytes.

Closing lecture

- Moh Daha (Leiden, The Netherlands): With compliments from the innate system: How complement directs acquired immunity.