

# IAP VII/39

## T lymphocytes: from basic biology to immunotherapy

Annual Meeting

Friday, 17<sup>th</sup> of October 2014

Albert Claude auditorium, Point Centre

Avenue Georges Lemaître, 19

6041 Charleroi (Gosselies)

9:00-9:30 Arrival

9:30-9:45 Introduction (Oberdan Leo)

### Session 1: Regulatory T cells

9:45-10:15 Defective anti-viral immunity in a murine model of familial hemophagocytic lymphohistiocytosis drives feed-forward inflammation via an impairment of regulatory T cell homeostasis (Stephanie Humblet-Baron – KUL)

10:15-10:45 Monoclonal antibodies that inhibit the immunosuppressive activity of human regulatory T cells in vivo (Stéphanie Liénart - UCL)

10:45-11:15 Circulating human follicular regulatory T cells (Tessa Dhaeze – UHasselt)

11:15-11:30 Coffee break

### Session 2: T Helper cells

11:30-12:00 Systemic juvenile idiopathic arthritis-like syndrome in mice following stimulation of the immune system with complete Freund's adjuvant (Anneleen Avau – KUL)

12:00-12:30 Regulation of Th2 and Th9 differentiation by cations (Magali de Heusch - UCL)

12:30-13:00 Human cytotoxic CD4 T cells express a CD8 T cell lineage transcriptional program (Yasmina Serroukh - ULB)

13:00-14:00 Lunch Break

### Session 3: Regulation of Th2 responses by antigen presenting cells

14:00-14:30 Antigen Presenting Cell-derived Interleukin-6 Restricts Th2 Responses (Delphine Debuisson – ULB)

14:30-15:00 Mechanisms of induction of T helper type 2 responses by lung dendritic cells (Thibaut Janss – ULg)

### Session 4: APCs

15:00-15:30 MicroRNAs in the crosstalk between dendritic cells and lung tumors (Karim Vermaelen – UGent)

15:30-16:00 Deciphering the effects of self-DNA release on T helper cell subsets in alum-adjuvanted immunization (Christophe Desmet – ULg)

16:00-16:30 RNA-based immunotherapy (Sandra Van Lint – VUB)