

## « Dendritic cells: trafficking and regulation »

CFCD Annual meeting:

December 18<sup>th</sup> – 19<sup>th</sup> 2017, Paris, France

### Final program

#### Monday, December 18<sup>th</sup>

- 8h45**            **Opening of the registration desk, *Ouverture de l'accueil***  
**9h**                **Welcome coffee, *Café de bienvenue***  
**9h30**            **Welcome address by Nathalie Bendriss-Vermare (CFCD President)**

#### 9h45 – 12h30 Session I – Migration and visualization of dendritic cells

Chairpersons: Florence Velge-Roussel and Michael Sixt

9h45 – 10h15 **Ana-Maria Lennon Duménil**, Institut Curie, Paris, France

*Migration of Dendritic Cells: from micro-fluidics to in vivo imaging*

10h15 – 10h45 **Jens Stein**, Theodore Kocher Institute, University of Bern, Switzerland

*Bystander DCs scale CD8+ T cell responses*

10h45 – 11h00 Selected oral presentation

**Marion Humbert**, University of Geneva Medical School, Geneva, Switzerland

*Intratumoral CpG-B delivery promotes anti-tumoral neutrophil and T cell activity to control tumor growth without reprogramming tolerogenic pDCs*

11h00 – 11h30 *Coffee Break*

11h30 – 12h00 **Michael Sixt**, Institute of Science and Technology, Klosterneuburg, Austria

*Force generation and transduction in migrating dendritic cells*

12h00 – 12h30 Selected oral presentations

12h00 – 12h15 **Helene Moreau**, Institut Curie, Paris, France

*Dual role of interstitial fluid pressure in immune surveillance by dendritic cells*

12h15 – 12h30 **Fatah Ouaz**, Institut Cochin, Paris, France

*Role of dendritic cells in antigen transport and transfer to B cells and in the initiation of humoral responses in vivo*

**12h30 – 14h30**            **Lunch and poster viewing**

## 14h30 - 17h30 Session II – Molecular aspects of dendritic cell biology

Chairpersons: Elodie Segura et Jacques Banchereau

14h30 – 15h00 **Jacques Banchereau**, The Jackson Laboratory Cancer Center, Farmington, USA  
*The Isoform Repertoire of Human Dendritic Cell Subsets*

15h00 – 15h30 **Charlotte Scott**, VIB UGent Center for Inflammation Research, Gent, Belgium  
*Zeb proteins: A key family of Transcription Factors regulating cDC and pDC biology*

15h30 -16h00 Selected oral presentations

15h30 – 15h45 **Nilushi De Silva**, Institut Curie, Paris, France

*Immune functions of the nuclear envelope in vivo*

15h45 – 16h00 **Séverin Coléon**, CIRI Lyon, France

*Cell-Cell contacts with infected cells lead to an antiviral response by plasmacytoid dendritic cells*

16h00 – 16h30 Coffee Break

16h30 – 17h00 **Chloé Villani**, Broad Institute of MIT, Cambridge, USA  
*The power of single cell genomics: discovery and characterization of novel human immune cells*

17h00 – 17h30 Selected oral presentations

17h00 – 17h15 **Raphaël Mattiuz**, CIML Marseille, France

*What are the functions of XCR1+ dendritic cells in the anti-tumor immune response?*

17h15 – 17h30 **Maximilien Grandclaoudon**, Institut Curie, Paris, France

*Multivariate modeling of human T helper cell differentiation reveals a context specific induction of Th17 by IL-12p70*

**17h30 – 19h30**      **Poster viewing & Cocktail**

**Tuesday, December 19<sup>th</sup>**

## 8h45 - 11h30 Session III – Dendritic cells in homeostasis and resolution

Chairpersons: Helena Paidassi & Carla Rothlin

8h45 - 9h15 **Julie Blander**, Weill Cornell Medicine, New York, USA  
*The many ways phagocytes respond to dying cells*

9h15 – 9h45 **Carla Rothlin**, Yale University School of Medicine, New Haven, USA  
*Innate immune checkpoints selectively regulate DC function*

9h45 – 10h00 Selected oral presentation

**Sébastien Lemoine**, Institut Pasteur, Paris, France

*A shadow dendritic cell subset jeopardizes immune priming and memory generation in newborns through suppression by IL-10 and PDL1*

10h00 – 10h30 Coffee Break

10h30 – 11h00 **Sylvain Perruche**, EFS, Besançon, France

*Efferocytosis factors terminate inflammation through APC reprogramming*

11h00 – 11h30 Selected oral presentations

11h00 - 11h15 **Hélène Letscher**, Institut Necker Enfants Malades, Paris, France

*Hematopoietic precursor cells as potent regulators of experimental autoimmune encephalomyelitis*

11h15 - 11h30 **Sophie Janssens**, VIB Center for Inflammation Research, Ghent, Belgium

*Regulated IRE1 dependent mRNA decay sets the threshold for dendritic cell survival*

**11h30 – 12h00 Round Table – DC's the end?**

Chairperson: Lionel Poulin

**12h00 – 13h45 Lunch and poster viewing**

**13h45 – 14h15 General assembly of the CFCD**

**14h15-17h Session IV – Biology of dendritic cells and intracellular trafficking**

Chairpersons: Jenny Valladeau-Guilemond & Christian Munz

14h15 - 14h45 **Bénédicte Manoury**, INEM, Paris, France

*UNC93B1 interacts with the calcium sensor STIM1 for efficient antigen cross presentation in dendritic cells*

14h45 - 15h15 **Christian Munz**, Institute of Experimental Immunology, University of Zürich, Switzerland

*Non-canonical proteins in endo- and exocytosis*

15h15 – 15h30 Selected oral presentation

**Tsing-Lee Tang**, Institut Curie, Paris, France

*Human inflammatory dendritic cells cross-present antigens using a non-cytosolic pathway*

15h30 – 16h00 Coffee Break

16h00 - 16h30 **Philippe Pierre**, CIML, Marseille, France

*BAD-LAMP controls TLR9 trafficking and signaling in human plasmacytoid dendritic cells*

16h30 – 17h00 Selected oral presentations

16h30-16h45 **Nicolas Blanchard**, Centre de Physiopathologie Toulouse Purpan, Toulouse, France  
*Profiling the MHC II immunopeptidome of blood stage malaria reveals that cDC1 control the functionality of parasite-specific CD4 T cells*

16h45-17h **Nicolas Ruffin**, Institut Curie, Paris, France

*Constitutive expression of Siglec-1 by human circulating dendritic cell precursors enables HIV-1 replication and dissemination to CD4+*

**17h Award ceremony and concluding remarks**

**17h15 End of the meeting**