



3rd LABEX IGO MEETING

Nantes (France) from April 17th to April 18th, 2018

PROGRAMME

Tuesday, April 17th 2018

8.00 am	Registration & Coffee
8.45 am	Welcome
9.00 am	General Keynote lecture – Jeff Bluestone (University of California - San Francisco / USA) Immunotherapies
SESSION 1 :	Solving heterogeneity in immune response Chairpersons : Cédric Louvet & Sophie Hillion
9.35 am	Pierre Milpied (Centre d'Immunologie de Marseille-Luminy / France) Class-switched memory B cells remodel BCRs within secondary germinal centers
10.10 am	Hans Dieter Volk (Charité – University of Berlin / Germany) Aged adaptive immune system on intra-tissue processes - need for distinct preclinical models reflecting clinical challenges
10.45 am	<i>T Cell Help Mediated by IL-2 Orchestrates BACH2 Downregulation that Allows Plasma Cell Differentiation</i> Nicolas Hipp (UMR917, Rennes, France)
10.55 am	<i>Molecular analysis of memory CD8+T cells at the single-cell level reveals a specific pattern in multiple sclerosis patients</i> Emilie Dugast (UMR1064, Nantes, France)
11.05 am	Coffee break and poster viewing
11.20 am	<i>A molecular signature of human regulatory b cells</i> A. Grasseau (UMR1227, Brest, France)
11.30 am	Milena Hasan (Pasteur – Paris / France) Establishing determinants of human immune variability as a path towards personalized medical approaches
12.05 am	Leïla Périé (Institut Curie, Paris / France) Heterogeneity during hematopoiesis: is the tree still a tree ?
12.40 pm	Lunch

SESSION 2 : **Molecular based immunotherapy**
Chairpersons : Aurélie Moreau & Alexis Kalergis

- 2.00 pm **Marjolein Van Egmond** (VUmc / The Netherlands)
Antibody-Dependent Phagocytosis of Tumor Cells by Macrophages
- 2.35 pm **Eliane Piaggio** (Curie Institute, Paris / France)
IL-2-based therapies for the treatment of autoimmunity and cancer
- 3.10 pm *Transient antibody targeting of CD45RChigh T cells to prevent the development of graftversus-host disease in rats and NSG mice*
Laetitia Boucault (UMR1064, Nantes, France)
- 3.20 pm *Interleukin-34 contributes to regulatory T cell suppression and delays transplantation rejection*
Antoine Freuchet (UMR1064, Nantes, France)
- 3.30 pm *Interleukin-7 receptor pathway predicts response to anti-TNF α therapy in IBD*
Richard Danger (UMR1064, Nantes, France)

3.40 am Coffee break and poster viewing

- 3.55 pm *Cancer vaccines: Designing synthetic long peptides to improve presentation of selected class I and class II T cell epitopes by dendritic cells*
Catherine Rabu (UMR1232, Nantes, France)

4.05 pm **Round Table: Common clinical perspectives and problems for immunotherapies.**
J. Bluestone, H-D. Volk, M. Brenner, D. Cantarovich, P. Amé, G. Blanco, P. Moreau

- 4.55 pm **Sophie Lucas** (UCL Louvain / Belgium)
Targeting GARP on Tregs: a novel approach for cancer immunotherapy ?

- 5.30 pm **Marco Frentsch** (Charite – University of Berlin / Germany)
CD8+ T cell-derived CD40L mediates cytotoxicity against cancer cells

6.05 pm End of the session

6.10 pm Poster session

7.30 pm Gala Dinner in ENSA

Wednesday, April 18th 2018

SESSION 3 : **T Cells based immunotherapy**
Chairpersons : Sylvain Simon & Béatrice Clémenceau

- 9.00 am **Malcolm K. Brenner** (Baylor College of Medicine, Houston / USA)
How safe is suicide ?
- 9.35 am **Fadi Issa** (Nuffield dpt of Surgical Sciences / UK)
CD4+ Tregs in animal models and clinical trials of solid organ transplantation

- 10.10 am *Targeting tumor vasculature with TNF leads effector T cells to the tumor and enhances therapeutic efficacy of immune checkpoint blockers in combination with adoptive cell therapy*
Elia Angelarita (San Raffaele, Milan, Italy)
- 10.20 am *Cyclophosphamide treatment regulates the balance of functional/exhausted tumor-specific CD8+ T cells*
Coralie Henin (ULB Cancer Research, Bruxelles, Belgium)

10.30 am Coffee break and poster viewing

- 10.45 am *Generation of CD8+ and CD4+ regulatory T cells from human pluripotent stem cells*
Léa Flippe (UMR1064, Nantes, France)

- 11.00 am **Chiara Bonini** (Ospedale San Raffaele / Italy)
T memory stem cell based immunotherapy

- 11.35 am **Luis Graça** (Institute of molecular medicine / Portugal)
Tolerance to factor VIII and Tfh regulatory cells

12.10 pm Lunch



SESSION 4 : Micro-environment and resident immune cells
Chairpersons : Karin Tarte & Amédée Renand

- 1.30 pm **Matteo Bellone** (Ospedale San Raffaele / Italy)
Microbiota and multiple myeloma

- 2.05 pm **Federica Marelli-Berg** (William Harvey Research Institute / UK)
Modulation of immune responses through control of T cell migration

- 2.40 pm *Induction of an immunoregulatory circuit by Faecalibacterium prausnitzii via Ahr: potential implications in colorectal cancer*
Emmanuelle Godefroy (UMR1232, Nantes, France)

- 2.50 pm *Interleukin-22-binding protein (IL-22BP) regulates IL-22 functions during gut homeostasis*
Ahmed Abidi (UMR1064, Nantes, France)

3.00 am Coffee break and poster viewing

- 3.15 pm *Human tolerogenic dendritic cells regulate immune response through lactate synthesis and regulatory T cell Induction*
Eros Marin (UMR1064, Nantes, France)

- 3.25 pm **Barbara Seliger** (Martin Luther University, Halle /Germany)

- 4.00 pm **General Keynote lecture – Oren Parnas** (Hebrew University of Jerusalem / Israël)
Dissecting Regulatory Networks That Mediate Dendritic Cell Suppression

4.35 pm Awards and conclusion of the meeting (Nathalie Labarrière, Deputy Director Labex IGO)