

# GO IMMUNO meeting

Nantes, 11 & 12 December 2023

[go-immuno-2023.sciencesconf.org](https://go-immuno-2023.sciencesconf.org)



## WELCOME

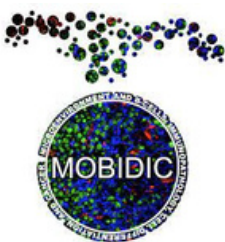
The GO IMMUNO meeting is organised by the **Laboratory of Excellence IGO** (Immunotherapy-Graft-Oncology) and will bring together all the research teams from Nantes, Angers, Rennes and Brest from this research network in **immunology and immunotherapy** and will welcome all researchers, students and clinicians interested in these themes.

This meeting aims to present the latest results and data in the fields of **translational immunology** and the development of **immunotherapy applied to cancer, chronic inflammatory diseases, organ transplants and infectious diseases**, as well as to promote exchanges and future projects.

Our event will revolve around major cross-cutting topics in these different medical issues: **innate immunity, T lymphocytes, humoral responses, immunoregulation, new technologies and strategies in immunotherapy**. The scientific sessions will bring together guest speakers and selected presentations, and will be a great opportunity for exchange and discussion.

---

## THIS EVENT IS ORGANISED BY



WiFi: work'in salorges | Password: WIS-events

# GO IMMUNO meeting

Nantes, 11 & 12 December 2023

[go-immuno-2023.sciencesconf.org](https://go-immuno-2023.sciencesconf.org)



## DAY 1 - DECEMBER 11TH

### PROGRAMME 1/3

10:00-10:25 **WELCOME COFFEE**

10:25-10:30 **Introduction - Régis Josien**, Director of Labex IGO, UMR 1064 CR2TI, Nantes

#### SESSION 1: NEW STRATEGIES IN IMMUNOTHERAPY Chaired by Nathalie Labarrière & Olivier Mignen



10:30-10:35 Introduction

**10:35-11:05 Towards improved T cell therapies in solid tumors. Synthetic Biology meets Immunology** - Velia Siciliano, Istituto Italiano di Tecnologia-IIT, Genova, Italy)

#### Selected talks:

**11:05-11:20 1. While both improving anti-tumor reactivity, TIGIT editing preserves proliferation abilities of melanoma specific T-cells, unlike PD-1 editing** - Gwenann Cadiou, INCIT, Nantes

**11:20-11:35 2. Transcriptional co-activator BOB1 as the key regulator of pathogenic lymphocytic responses in Chronic Lung Allograft Dysfunction** - Nataliya Yeremenko, CR2TI, Nantes

**11:35-11:50 3. HHLA2 engagement on T and NK cells leads to downmodulation of its activating receptor CD28H** - Raphaëlle Leau, CR2TI, Nantes

**11:50-12:05 4. The mechanism of action of anti-CD45RC mAb in the control of immune responses involves elimination of CD45RChigh T and B cells** - Cécile Bergua, Aboleris Pharma, Nantes

# GO IMMUNO meeting

Nantes, 11 & 12 December 2023

[go-immuno-2023.sciencesconf.org](https://go-immuno-2023.sciencesconf.org)



## DAY 1 - DECEMBER 11TH

### PROGRAMME 2/3

12:05-12:35

#### SPONSOR PRESENTATIONS

- **The Cytex® Solutions for all your Cellular Analysis needs** - Juliette Desfrançois, Strategic Account Manager EMEA, Cytexbio
- **Characterization of antigen specific immunity by flow cytometry and single-cell analysis with Dextramer® technology** - Michela Venturi, Sales Development Manager, Immudex
- **New Dyes and Optimized Multicolor Flow Cytometry Panels** - Jean-Baptiste Guillerme, Technical Application Scientist, Biolegend
- **Harnessing the power of spectral flow cytometry to accelerate discovery** - Gaëtan Riou, Field Application Specialist, Sony

12:35-14:00

#### LUNCH

#### SESSION 2: T-CELLS

Chaired by Jérôme Martin & Mathilde Allard

14:00-14:05

Introduction

14:05-14:35

**Heterogeneity and functional plasticity of antigen-specific T cells in humans** - Pierre Tonnerre, Institut de Recherche Saint Louis, Paris

#### Selected talks:

14:35-14:50

**5. Identification of thymic transcription factors implicated in immune tolerance and autoimmunity** - Sumeyye Yayilkan, CR2TI, Nantes

14:50-15:05

**6. Immune checkpoint molecules control the local antigen-specific immune response in the liver** - Thomas Guinebretière, CR2TI, Nantes

15:05-15:20

**7. High dimensional profiling of circulating CD4+ T cells and regulatory T cells during sepsis in human** - Florian Geffroy, CR2TI, Nantes

# GO IMMUNO meeting

Nantes, 11 & 12 December 2023

[go-immuno-2023.sciencesconf.org](https://go-immuno-2023.sciencesconf.org)



## DAY 1 - DECEMBER 11TH

### PROGRAMME 3/3

15:20-15:45 *COFFEE BREAK*

#### SESSION 3 : INNATE / INFLAMMATION Chaired by Katia Gagne + Antoine Roquilly

15:45-15:50 Introduction

**15:50-16:20 Dual ontogeny of disease-associated microglia and disease inflammatory macrophages in aging and neurodegeneration -**  
Aymeric Silvin, Institut de Cancérologie Gustave Roussy-IGR, Paris

#### Selected talks:

**16:20-16:35 8. Absence of the innate immune checkpoint CLEC-1 prevents the establishment of the immunosuppressive state of myeloid cells during sepsis in mice -** Thomas Ogor, CR2TI, Nantes

**16:35-16:50 9. N-glycosylation as a contributor to autoimmune evasion: the case of the glial potassium channel KCNJ10 -** Arnaud Nicot, CR2TI, Nantes

**16:50-17:05 10. Intrinsic and extrinsic markers subtly drive the phenotypic structuration of the NK cell repertoire and its differentiation -** Enora Ferron, CRCI2NA, Nantes

**17:05-17:20 11. Deciphering macrophage heterogeneity and their interaction with fibroblasts in Crohn's Disease -** Monika Mykhaylyshyn, CR2TI, Nantes

**17:20-17:35 12. Single-cell profiling identifies clinically relevant interactions between tumor associated macrophages and blood endothelial cells in diffuse large B cell lymphoma -** Juliette Ferrant, MOBIDIC, Rennes

17:35 -18:35 *POSTER SESSION + APERITIF*

# GO IMMUNO meeting

Nantes, 11 & 12 December 2023

[go-immuno-2023.sciencesconf.org](http://go-immuno-2023.sciencesconf.org)



## DAY 2 - DECEMBER 12TH

### PROGRAMME 1/3

#### KEYNOTE SESSION

Chaired by Régis Josien & Nathalie Labarrière

- 8:45-9:30 **Tertiary Lymphoid Structures in lung cancer patients: a powerful biomarker and target for the next generation of immunotherapy** - Marie Caroline Dieu-Nosjean, CIMI, Paris

#### SESSION 4 : IMMUNOREGULATION

Chaired by Catherine Rabu & Laureline Berthelot

- 9:30-9:35 Introduction
- 9:35-10:05 **Neuronal regulation of anti-tumor immunity** - Vincent Feuillet, Centre d'Immunologie de Marseille-Luminy - CIML, Marseille
- Selected talks:**
- 10:05-10:20 **13. Human tolerogenic dendritic cells used in clinic regulate CD8+ T cell population** - Maaïke Suuring, CR2TI, Nantes
- 10:20-10:35 **14. Genome-Wide Association Study of Chronic Lung Allograft Dysfunction** - Simon Brocard, CR2TI, Nantes
- 10:35-10:50 **15. Role of the innate receptor CLEC-1 in the cross-presentation of dead cell-associated antigens by cDC1** - Camille Ligeron, CR2TI, Nantes
- 10:50-11:05 **16. Tolerant Kidney Transplanted Patients Display an increase of a blood B Cell population with a TCL1<sup>low</sup> Naive phenotype** - François Brinas, CR2TI, Nantes

- 11:05-11:30 **COFFEE BREAK**

# GO IMMUNO meeting

Nantes, 11 & 12 December 2023

[go-immuno-2023.sciencesconf.org](https://go-immuno-2023.sciencesconf.org)



## DAY 2 - DECEMBER 12TH

### PROGRAMME 2/3

#### SESSION 5: NEW TECHNOLOGIES

Chaired by Emmanuel Scotet & Stéphane Mancini

- 11:30-11:35 Introduction
- 11:35-12:05 **Comprehensive spatial landscape of stromal heterogeneity and plasticity in breast cancer** - Fatima Mechta-Grigoriou, Institut Curie, Paris
- Selected talks:**
- 12:05-12:20 **17. Genome-wide survival study identifies three novel associations between non-HLA donor-recipient mismatches and kidney graft failure** - Vincent Mauduit, CR2TI, Nantes
- 12:20-12:35 **18. Link between immune dysfunction and the respiratory virome in a cohort of brain-injured patients during the intensive care unit hospitalization** - Simon Bulteau, CR2TI, Nantes
- 12:35-12:50 **19. In primary Sjögren's Syndrome, a new population of switched memory B cells expressing CXCR3 reflects the disease severity** - Pierre Pochard, LBAI, Brest
- 12:50-13:05 **20. A new mouse model of Follicular Lymphoma development** - Baptiste Brauge, MOBIDIC, Rennes

13:05-14:30 **LUNCH**

#### 14:30-15:00 SPONSOR PRESENTATIONS

- **MACSima : understanding structural complexity with deep phenotyping** - Eve BLANQUART, Specialist Engineer, Miltenyi Biotec
- **An optimized flow cytometry protocol for simultaneous detection of T cell activation induced markers and intracellular cytokines: application to SARS-CoV-2 immune individuals** - Gianluca ROTTA, Scientific Affairs Manager, BD
- **Expanding Capabilities in Single Cell RNA Sequencing** - Hafid KORA, Technical Sales Manager, Parse Biosciences
- **Scaling up deep Spatial Phenotyping with a novel Omics approach** - Ali TEBBI, Sr. Biomarker Specialist South EMEA, Akoya

# GO IMMUNO meeting

Nantes, 11 & 12 December 2023

[go-immuno-2023.sciencesconf.org](http://go-immuno-2023.sciencesconf.org)



## DAY 2 - DECEMBER 12TH

### PROGRAMME 3/3

#### SESSION 6 : B HUMORAL RESPONSES Chaired by Sophie Hillion & Sophie Brouard

- 15:00-15:05 Introduction
- 15:05-15:35 **B cell memory at barrier tissues** - Mauro Gaya, Centre d'Immunologie de Marseille-Luminy - CIML, Marseille
- Selected talks:**
- 15:35-15:50 **21. Characterization of extracellular vesicles produced by regulatory B cells in kidney transplantation** - Amandine Dupuy, CR2TI, Nantes
- 15:50-16:05 **22. Validation of a Blood Gene Signature to Prognose Chronic Lung Allograft Dysfunction** - Richard Danger, CR2TI, Nantes
- 16:05-16:20 **23. B cell intrinsic IL2RB signaling dampens extrafollicular response by promoting regulatory function and repressing IFN response** - Juliette Gauthier, MOBIDIC, Rennes
- 16:20-16:35 **24. Human Regulatory B cells prevent effector CD4+CD25- T cell proliferation through a mechanism dependent from Granzyme B and Lymphotoxin alpha** - Nicolas Sailliet, CR2TI, Nantes
- 16:35-16:50 **25. B-Cell Infiltration in Cutaneous Immune-Related Adverse Events: Implications for Immunotherapy Management** - Soizic Garaud, LBAI, Brest
- 16:50-17:00 **BEST TALK & BEST POSTER AWARDING CEREMONY**
- 17:00 **CLOSING REMARKS & END OF MEETING**



# GO IMMUNO meeting

Nantes, 11 & 12 December 2023

[go-immuno-2023.sciencesconf.org](https://go-immuno-2023.sciencesconf.org)



## IN PARTNERSHIP WITH



## OUR GOLD SPONSORS



## OUR SILVER SPONSORS

