



# SCIENTIFIC DAY

ECOLE DOCTORALE BIOLOGIE SANTÉ  
NANTES / ANGERS

April 1st, 2025

NANTES

KEYNOTE  
SPEAKER

NADINE  
CERF-BENSUSSAN

Institut IMAGINE - Paris  
Grand Prix Inserm 2023



## PROGRAM

8.15-8.45am **Welcome**

8.45-9.00am **Introduction**  
Xavier Prieur, Ecole Doctorale Biologie Santé director.

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**SESSION 1 Plenary conference** (*amphi C, bâtiment Bias 2, Fac de Pharmacie*)  
Moderators: Anaïs Halbert, Lucie Levallant and Maria Dolores Sanchez

9.00-10.00 am **Pr Nadine Cerf- Bensussan - The 2023 INSERM Grand Prize**  
Intestinal immunity, microbiota and associated diseases

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10.00-10.45 am **Coffee break / Poster presentations** (hall Bias 2, Fac de Pharmacie)

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**SESSION 2 Thesis project presentations** (*amphi C, bâtiment Bias 2, Fac de Pharmacie*)  
Moderators: Anaïs Halbert, Lucie Levallant and Maria Dolores Sanchez

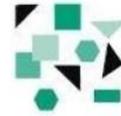
- 10.45-12.00am
- **Margaux Verdon** - Human microbiota-reactive DP8 $\alpha$  regulatory T cells protect against transplantation-related disorders
  - **Camille Ligeron** - The innate receptor CLEC-1 acts as an immune checkpoint and limits the cross-presentation of dead cell-associated antigens by cDC1s
  - **Hugo Bergereau** - Identification of Rac1 GTPase role in eosinophil function during severe asthma
  - **Charleen Plaisse** - Universal allogeneic regulatory T cell therapy from genetically engineered iPSCs
  - **Clarisse Carvalho** - Role of the thioredoxin reductases TrxR1 and TrxR2 in the pathogenesis of *Scedosporium apiospermum*.
  - **Nathan Chaté** - investigating local role of PiT2 and TNAP in hyperphosphatemia-induced vascular calcifications in chronic kidney disease using *in vivo* and *ex vivo* approaches
  - **James Goward** - Functional consequences of PD-1 and TIGIT deletion on melanoma-specific T lymphocytes

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12.00am - 1.00pm **Lunch**

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## SESSION 3 Thesis project presentations (*amphi 2, bâtiment Veil, Fac de Médecine*)

Moderators: *Anaïs Halbert, Lucie Levallant and Maria Dolores Sanchez*

### 1.00-2.15pm

- **Alexandre Maye** - Identification of human glycolytic tolerogenic mononuclear phagocytes within the tumor microenvironment
- **Mary Adel Mrad** - NET1: A New Mechanosensitive RhoGEF in Vascular Smooth Muscle Cells Under Stretch
- **Théo Noël** - Integration of single-cell RNA-seq datasets to decipher early human enteric nervous system development
- **Maxime Golias** - Development of an innovative microdissection platform to study tumor spatial heterogeneity
- **Emma Racineau** - The oral small molecule NXP800 delays tumor growth osteosarcoma by activating GCN2 and subsequently the Unfolded-Protein Response
- **Yann Daniel** - Benefits of O-GlcNAcylation stimulation on cardiac output in hemorrhagic shock
- **Elio Gereige** - NanoPULSE: The First Micromixing Method Delivering Consistent Lipid Nanoparticle Formulations Seamlessly Across All Scales

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## SESSION 4 Workshops (*salles 241-242, 341, 243 et V. Gournay, bâtiment Veil, Fac de Médecine*)

### 2.15-4.15pm

- **Recruitment Agency** - Exploring post-PhD opportunities in the private sector
- **Work-Life Balance Workshop** – Strategies for managing professional and personal life effectively
- **The teaching profession** – Teachers share their career paths and opportunities after a PhD
- **GenoA Platform** - Advancing genomic research and applications

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### 4.15-5.00pm

**Coffee break / Poster presentations** (*hall bâtiment Veil, Fac de Médecine*)

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### 5.00-5.30pm

**Oral communication awards** (*amphi 2, bâtiment Veil, Fac de Médecine*)