

INEM
Institut Necker
Enfants Malades

10 | ANNIVERSARY
YR | SYMPOSIUM

Molecular and Cellular Metabolism in Health and Disease

*Kivanc Birsoy • Florent Ginhoux • David Sancho • Simon Fillatreau • Nathalie Delzenne • Eran Segal • Pamela Schnupf • **Yasmine Belkaid** • Volker Haucke • Ganna Panasyuk • Heather Christofk • Mario Pende • Mikael Rydén • Christian Wolfrum • **Bana Jabri** • Paolo Giacobini • Franck Oury • Clémence Blouet*

November 21-22, 2024
PARIS

Register now
Submit your abstract

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Thursday

November 21

13:00 – 13:15

▶ **Welcome and Introductions**

Fabiola Terzi

13:15 – 14:00 **Keynote Lecture I**

▶ **Understanding the role of nutrient transport in physiology and disease**

Kivanc Birsoy

Rockefeller University

14:00 – 15:30 **Session I**

IMMUNO-METABOLISM

▶ **Biology of Macrophages: From Development to Functions**

Florent Ginhoux

Institut Gustave-Roussy

▶ **Microbial metabolites in the progression of atherosclerosis**

David Sancho

Spanish National Center for cardiovascular research

▶ **Molecular insights into the mechanisms driving the resolution of CNS autoimmunity**

Simon Fillatreau

Institut Necker Enfants Malades

15:30 – 16:00

▶ **Coffee Break**

16:00 – 17:30

Session II

METABOLISM-HOST INTERACTION

▶ **New therapeutic and diagnostic tools based on the study of gut microbiome-host metabolism interactions**

Nathalie Delzenne

Université Catholique de Louvain

▶ **Personalized medicine based on deep phenotyping of a large-scale human cohort**

Eran Segal

Weizmann Institute of Science

▶ **Niche adaptations and distribution of the gut commensal SFB**

Pamela Schnupf

Institut Necker Enfants Malades

17:30 – 17:45

▶ **Flash Talks Session**

18:15 – 19:00

Keynote Lecture II

▶ **Immune control of tissue physiology**

Yasmine Belkaid

Institut Pasteur

19:00 – 23:00

▶ **Cocktail and Gala Dinner**

Friday

November 22

9:00 – 10:30 Session I

CELLULAR TRAFFICKING AND METABOLIC SIGNATURE

- ▶ **Lipid control of membrane dynamics in health and disease**

Volker Haucke

Leibniz FMP

- ▶ **Nuclear nutrient sensing signaling of Class 3 PI3K in metabolic homeostasis**

Ganna Panasyuk

Institut Necker Enfants Malades

- ▶ **Metabolic transitions in cancer and development**

Heather Christofk

University of California, LA

10:30 – 11:00

Coffee Break

11:00 – 12:30 Session II

ADIPOSE TISSUE METABOLISM

- ▶ **Lipid metabolism and the control of cell senescence**

Mario Pende

Institut Necker Enfants Malades

- ▶ **Novel insights into the role of adipocyte metabolism in health and disease**

Mikael Rydén

Karolinska Institutet

- ▶ **Adipocyte heterogeneity in health and disease**

Christian Wolfrum

ETH Zurich

12:30 – 14:00

▶ **Lunch Break**

14:00 – 14:45 Keynote Lecture III

- ▶ **Regulation of Host-Microbial interactions in Health and Disease**

Bana Jabri

Institut Imagine

14:45 – 15:00

▶ **Flash Talks Session**

15:00 – 16:00 Session III

NEURO-METABOLISM

- ▶ **Role of anti-Müllerian hormone in the prenatal and postnatal programming of PCOS**

Paolo Giacobini

Lille Neuroscience & Cognition Center

- ▶ **Novel Hormonal Modulator of the AgRP Neurons Multi Facets Functions for the Control of Energy Metabolism**

Franck Oury

Institut Necker Enfants Malades

- ▶ **Hypothalamic nutrient sensing in the regulation of energy balance**

Clémence Blouet

University of Cambridge

16:30 – 17:00

Closing remarks

Fabiola Terzi

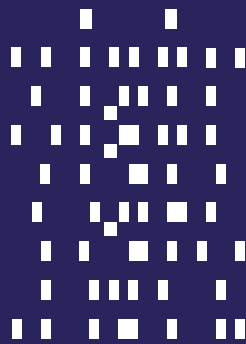
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