

InnaSCo-FrontInov Joint symposium II

Innate sensors & inflammation

2023, September 5th-7th

Lyon, France

Preliminary Program

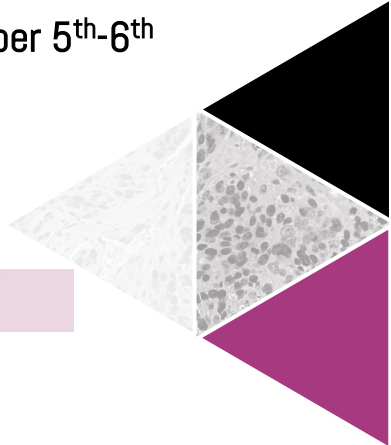
InnaSCo symposium: September 5th-6th



FrontInov symposium: September 7th

**Precision medicine approaches to inflammatory pathologies:
from AI driven discovery to model systems**





Preliminary Program

September 5th

SESSION 1: Inflammasomes

13h30-14h15 **Franklin Zhong**, Skin Research Institute, Singapore

NLRP1 inflammasome

14h15-14h45 **Matthias Geyer**, Institute of Structural Biology, Bonn, Germany

Selective Inhibition of NOD-like Receptors

14h45-15h30 : 3 selected talks

SESSION 2: Type I IFNs/Innate Sensors and Viral infections

16h00-16h30 **Karim Majzoub**, IGMM, Montpellier, France

Deltavirus infection in human and animal cells

16h30-17h00 **Nadine Laguette**, IGMM, Montpellier, France

Dissecting the crosstalk between type I interferon responses and DNA repair pathways

17h00-17h30 **Achille Broggi**, CIML, Marseille, France

IFN- λ control of mucosal repair

17h45-18h10: 1 selected talk + **Poster Teaser #1**

POSTER SESSION 1 With Wine & Cheese (18h00-20h00)

September 6th

SESSION 3: Innate Sensors & bacterial infections

8h45-9h30 **Petr Broz**, UNIL, Epalinges, Switzerland

Pyroptosis, a Lytic Cell Death Coordinating Host Defense and Inflammation

9h30-10h00 **Cécile Arrieumerlou**, Cochin Institute, Paris, France

Spatio-temporal dynamics of ADP-heptose sensing during *S. flexneri* infection

10h00-10h45: 3 selected talks

SESSION 4: Innate Immune System & physiology

11h15-11h45 **Gerard Eberl**, Pasteur Institute Paris, France

Modulation of hypothalamic functions by microbiota and cytokines

11h45-12h15 **François Leulier**, IGFL, Lyon, France

Microbe-mediated intestinal NOD2 stimulation improves growth of undernourished mice

12h15-12h45 Two selected talks

SESSION 5: Innate Immune System and Cancer

14h30-15h05 **Tanaya Shree**, Stanford University, USA

Using innate immune agonists to achieve therapeutic cancer vaccination

15h05-15h40 **Stuart Rushworth**, Norwich Medical School, UK

Activating macrophage STING pathway in normal and malignant haematopoiesis

15h40-16h10 **Virginie Petrilli**, CRCL, Lyon, France

Non canonical function of NLRP3 in DNA damage response and repair

16h10-16h30: One selected talk + **Poster Teaser #2**

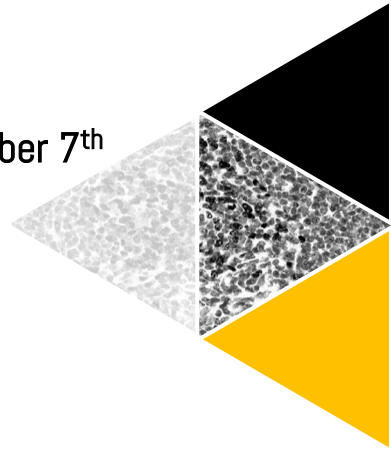
POSTER SESSION 2 (16h30-18h30)

Frontinov Symposium:

Precision medicine approaches to inflammatory pathologies:
from AI driven discovery to model systems

2023, September 7th

Preliminary Program



September 7th

Introduction on the Frontinov Network

8h55-9h00 **Nadine Laguette – Petr Cigler**

SESSION 6. Novel insight into Precision medicine

Chair: **Christelle Langevin – Dimitris Vlachakis**

09h00-9h45 **Steve Renshaw**, University of Sheffield, UK **KEYNOTE**

Inflammation made clear: zebrafish models of immune cell function.

9h45-10h15 **Anna Kajaste**, SR-Tiget, IT

Nucleic acid sensing and innate immunity in gene engineering

10h15-10h45 **Petr Cigler**, IOCB, CZ

Designing the interface of nanoparticles operating in biological environments

10h45-11h15 **Coffee break**

11h15-11h45 **Wojtek Cypryk**, CMMS, PL

Activation of extracellular vesicles secretion by the non-canonical inflammasome

11h45-12h30 **Sophie Ugolini**, CIML, FR

Neuronal regulation of immunity: new pathways and therapeutic perspectives

LUNCH + POSTER SESSION 3

SESSION 7 Towards artificial wisdom: AI as a novel decision making partner.

Chair: **Nadine Laguette – Petr Cigler**

14h00-14h30 **Dimitrios Vlachakis**, AUA, GR

Extracellular vesicles, -omics and Inflammation; the paradigm of the study of milk exosomes

14h30-15h00 **Nika Abdollahi**, IGH, FR

From Data to Insights: Streamlining Adaptive Immune Receptor Repertoire Analysis

15h00-15h30 **Samuel Bitoun**, Bicêtre hospital, FR

Using AI to diagnose and treat patients with auto-immune diseases

15h30-16h00 **Coffee break**

16h00-16h45 **Frank Augé**, Sanofi, FR **KEYNOTE**

Antibody Drug Conjugate section, Oncology Therapeutic Unit,