FrontInov-InnaSCo Joint symposium II
Innate sensors & inflammation
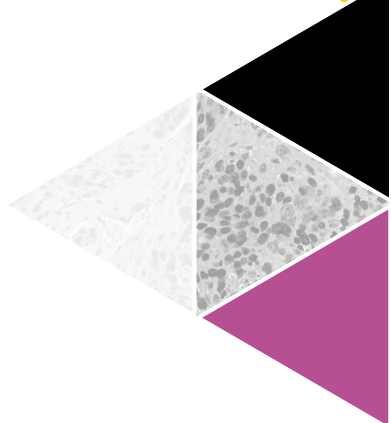
2023, May 3rd-5th
Lyon, France

Preliminary Program

FrontInov symposium: May 3rd-May 4th

**Precision medicine approaches to inflammatory pathologies:
from AI driven discovery to model systems**
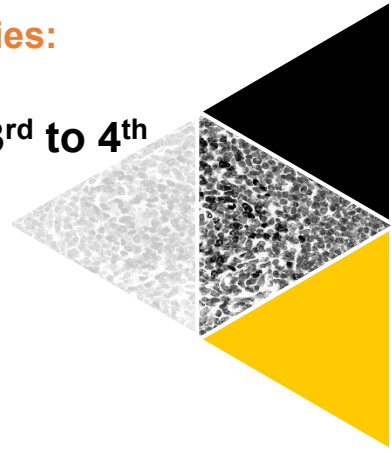
InnaSCo symposium: May 4th-May 5th

**InnaSCo symposium IV
Innate Sensors 2023**

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

2023, May 3rd to 4th

Preliminary Program

FRONTINOV IRN

May 3rd

Welcome coffee
14h30-14h55

Introduction on the Frontinov Network
14h55-15h00   Nadine Laguette – Petr Cigler

SESSION 1 Towards artifical wisdom: AI as a novel decision making partner.

Chair: **Nadine Laguette – Petr Cigler**

15h00-15h30 Dimitrios Vlachakis, AUA, GR
        Artificial intelligence paves the way towards precision drug design
15h30-16h00 Merouane Elazami Elhassani, IGH, FR
        Artificial Intelligence applied to immunogenetics.
16h00-16h30 Samuel Bitoun, Bicêtre hospital, FR
        Using AI to diagnose and treat patients with auto-immune diseases
16h30-17h00 Sébastien Assié – Sebastien Picault, Oniris, FR
        AI for early disease detection and treatment protocol recommendation in cattle:
        coupling field observation, sensor data and mechanistic models.
17h00-18h00 **Sanofi**, FR KEYNOTE
        Antibody Drug Conjugate section, Oncology Therapeutic Unit,

Poster session And welcome Cocktail

18h00-19h30 …

May 4th

SESSION 2. Novel insight into Precision medicine

Chair: **Christelle Langevin – Dimitris Vlachakis**

09h00-10h00 Steve Renshaw, University of Sheffield, UK KEYNOTE
        Inflammation made clear: zebrafish models of immune cell function.
10h00-10h30 Anna Kajaste, SR-Tiget, IT
        Nucleic acid sensing and innate immunity in gene engineering
10h30-11h00 Petr Cigler, IOCB, CZ
        Designing the interface of nanoparticles operating in biological environments
11h00-11h30 Wojtek Cypryk, CMMS, PL
        Activation of extracellular vesicles secretion by the non-canonical inflammasome
11h30-12h00 Andrei Turtoï, IRCM, Montpellier, FR
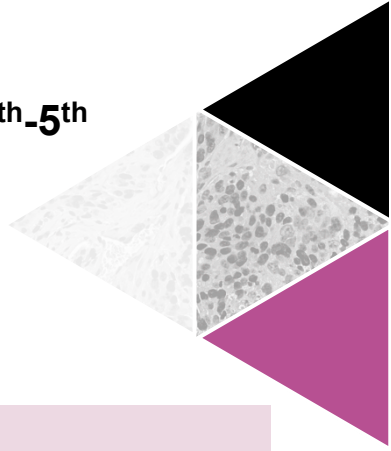   What can we learn from spatial transcriptomics in human solid cancers?

Closure of the Frontinov symposium

Opening of the InnaSCo symposium at 13.30

InnaSCo symposium IV
Innate Sensors 2023

2023, May 4th-5th

Preliminary Program

May 4th

SESSION 3: 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
14h45-15h15 **Rebecca Coll**, Queen's University of Belfast, UK
        Novel mechanisms of NLRP3 inflammasome regulation
15h15-15h30 One selected talk

SESSION 4: Type I IFNs/Innate Sensors and Viral infections

16h00-16h45 **Soren Paludan**, Aarhus University, Denmark
        IFN & Virus
16h45-17h15 **Enzo Poirier**, Curie Institute, Paris, France
        An isoform of Dicer protects mammalian stem cell against multiple viruses
17h15-17h45 Two selected talks
17h45-18h00 **Poster Teaser**

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

May 5th

SESSION 5: Innate Sensors & bacterial infections

8h45-9h30 **Charlotte Odendall**, King's College London, United Kingdom
        Type I IFN and bacterial infections
9h30-10h00 **Cécile Arrieumerlou**, Cochin Institute, Paris, France
        Spatio-temporal dynamics of ADP-heptose sensing during S. flexneri infection
10h00-10h45 Three selected talks

SESSION 6: Innate Immune System & Nervous System

11h15-12h00 **Gerard Eberl**, Pasteur Institute Paris, France
        Modulation of hypothalamic functions by microbiota and cytokines
12h00-12h30 Two selected talks

MEET the Editors (12h30-14h00)

SESSION 7: Innate Sensors and Cancer

14h00-14h45 **Tanaya Shree**, Stanford University, USA
        Using innate immune agonists to achieve therapeutic cancer vaccination
14h45-16h15 Four selected talks