

# IMCBio symposium

The symposium is taking place from the **18<sup>th</sup>** to the **22<sup>th</sup> of November 2024**. You will be able to listen to presentations about various subjects in biology. Directly after their presentations, or during breaks, you will be able – and are encouraged- to ask questions to the speakers.

You can find the program on the next pages.

# Monday 18/11- Salle Léon Hirth IBMP

## Plants and Virology

9h00-10h00– **Philip Carella** (John Innes Centre, United-Kingdom)

**(Online presentation via Zoom**

Link: <https://us06web.zoom.us/j/81281928071?pwd=IfLXuwpEI3qn89ZaXvLrlbavb6laYD.1> )

**Functional conservation of NLR immune receptors on a macroevolutionary timescale**

Chair: Ikram Bendraoua & Jérémy Dufat

10h00-10h30: Coffee break – Hall IBMP

10h30-11h30 – **Thomas Michiels** (de Duve Institute UCLouvain, Belgium)

**Use of short linear motif (SLiM) mimicry by viruses to hijack cellular pathways and escape innate immunity**

Chair: Bruno Del Carpio Martinez & Medhi Krajkovic

11h30-12h30 – **Lionel Navarro** (Institut de biologie de l'École normale supérieure (IBENS), France)

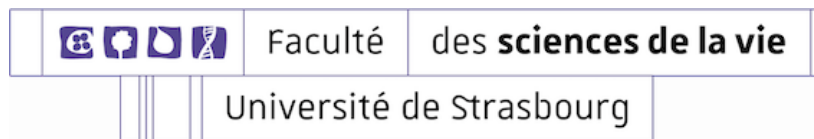
**Extracellular small RNAs in host-bacteria interactions**

Chair: Jérémy Dufat & Ikram Bendraoua

12h30-14h00: Lunch with speakers – hall IBMP : Buffet

**Afternoon November, 18 at Auditorium CRBS**

**Joint Immunology symposium – IMCBio (optional)**



Organized by Sylvie Fournel

14h00- **Sandrine Henri** (Centre d'Etudes des Pathologies Respiratoires, Tours, France)

**Myeloid cells in health and diseases**

15h00- **Eloi Verrier** (Institut de Recherche sur les Maladies Virales et Hépatiques, Strasbourg, France)

**The complex interplay between hepatitis D virus and the innate immune response**

16h00-16h30: Coffee break

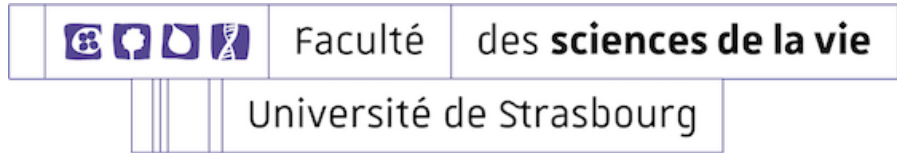
16h30- **Matthieu Giraud** (Center for Research in Transplantation and Translational Immunology [CR2TI], Nantes, France)

**Center for Research in Transplantation and Translational Immunology**

18h00: Cocktail with the M2 and PhD students

# Tuesday 19/11 – Auditorium CRBS

## Joint Immunology symposium – IMCBio



Organized by Sylvie Fournel

8h30- **Suzie Houssier** (Institut de Génétique Humaine. Laboratoire de Virologie Moléculaire, CNRS, Montpellier, France)

### Crosstalk between chromatin structure and innate immune sensing

9h30- **Manuele Rebsamen** (Department of Immunobiology, University of Lausanne, Switzerland)

### New players in endosomal nucleic acid sensing and autoimmunity

10h30-11h00: Coffee break

11h00- **Celine Charvet** (IGBMC, CNRS UMR 7104, INSERM U1258, Strasbourg, France)

### Role of Ikaros in the pro-inflammatory signature of CD4 T cells

# Wednesday 20/11 – Auditorium IGBMC

## Structural Biology

8h45-9h45 – **Ohad Medalia** (University of Zurich, Switzerland)

### **Nuclear Lamins: Thin Filaments with Large Impact**

Chair: Inzhu Tanoz & Mohsen Keshavarz-Najafi

9h45-10h45 – **Andrey Kajava** (Centre de Recherche en Biologie Cellulaire de Montpellier, France)

### **Breaking the amyloidogenicity code**

Chair: Inzhu Tanoz & Justine Decouvelaere

10h45-12h00: Coffee break – Cafeteria IGBMC

12h00-13h00 – **Peter Tompa** (Vrije Universiteit Brussel, Belgium)

### **Repeat-driven biomolecular condensation in health and disease**

Chair: Inzhu Tanoz & Mohsen Keshavarz-Najafi

13h00-14h00: Lunch with speaker – Salle Ping-Pong : Buffet

# Thursday 21/11 - Auditorium IGBMC

## Development

8h45-9h45 - **Timothy Saunders** (University of Warwick, center of biomechanical cell biology, United Kingdom)

**The intricate interplay between mechanical interactions and signalling networks during development**

Chair: Louise Bucher & Pauline Chavel

09h45-10h45 – **Wolfgang Driever** (Dept. Developmental Biology, Institute of Biology I, University of Freiburg, Germany)

**Dynamic regulation of stem and progenitor cells in zebrafish larval neural proliferation zones**

Chair: Pauline Chavel & Louise Bucher

10h45-12h00: Coffee break – Cafeteria IGBMC

12h00-13h00 – **Shinji Takada** (National institute for basic biology [NIBB], Japan)

**Wnt-mediated community effect in maintaining stem cell populations**

Chair: Marie Diebolt & Tom Lanchec

13h00-14h00: Lunch break – Salle ping-pong : Buffet

# Friday 22/11 - Amphi Rothé (EOST)

## Morning : Development, Genetics & Molecular Biology

08h00-09h00 – **Maria Pia Cosma** (Centre for Genomic Regulation (CRG), Barcelona, Spain)

### **Super resolution imaging approaches to dissect 3D genome organization and looping in stem cells and development**

Chair: Louise Bucher & Pauline Chavel

09h00-10h00 – **Douglas Vernimmen** (Roslin Institute, Edinburgh, United Kingdom)

### **Deciphering the molecular function of epigenetic regulator JMJD6**

Chair: John-Vincent Beauvais, Armina Jero & Zoé Rebelle

10h00-10h30: Coffee break – Hall EOST

10h30-11h30 – **Alexis Maizel** (Heidelberg University, Centre for Organismal Studies, Germany)

### **Plant morphogenesis at cell scale: Getting to know where you are and what your neighbours do**

Chair: Pauline Chavel & Louise Bucher

11h30-12h30 – **Jean-Michel Gibert** (Institut de biologie Paris-Seine, France)

### **Genetic bases of Drosophila dorsocentral bristle developmental plasticity**

Chair: Tom Lanchec & Marie Diebolt

12h30-14h00: Lunch with speaker – Hall EOST : Buffet

# Friday 22/11 - Amphi Rothé (EOST)

## Afternoon : Private sector & Industries

14h00-15h30 – **Delphine Allouche & Javier Rol-Moreno** (RNA Sciences - Research & Biomarkers Department, Sanofi R&D, France)

**Drug substance characterization for next generation mRNA vaccines.**

Chair: Justine Decouvelaere & Bruno Del Carpio Martinez