



## Program

### First Day: December 6, Tuesday

CET time, Lithuania +1 h

#### 09:00-09:30 – Introduction. Welcome speeches by:

- Dr André LE BIVIC, Director of the CNRS Institute of Biological Sciences (INSB)
- H.E. Mr Nerijus ALEKSIEJŪNAS, Ambassador of Lithuania in France
- Mrs Jurgita ŠIUGŽDINIENĖ, Minister of Education, Science and Sport of Lithuania (TBC)
- Mrs Isabelle LONGIN, CNRS, Déléguée régionale de Paris Michel-Ange

#### Topic 1 : Cancer

**Morning Chairperson:** Dr. Aušra SASNAUSKIENĖ, Vilnius University Life Sciences Center

09:30 -10:00 - Prof. Dr. Juozas KUPČINSKAS, Lithuanian University of Health Sciences (LSMU)-Kaunas Clinics  
**Microbiome and molecular alterations in gastrointestinal inflammation and cancer**

10:00 – 10:30 – Dr. Judith MINE-HATTAB, The Laboratory of Computational and Quantitative Biology (LCQB)  
**Single-molecule microscopy during early chromatin remodeling upon DNA damage**

10:30 – 11:00 – Dr. Jan Aleksander KRASKO and Dr. Olha KARAMAN, National Cancer Institute  
**Cytokine-induced killer cells and bacterial lectins: new opportunities for cancer therapy**  
*(the presentation will be given by Dr. Jan Aleksander KRASKO)*

#### Coffee break (15 min)

11:15 – 11:45 – Dr. Jérémie ROUX, Institute of Molecular and Cellular Pharmacology  
**Coupling dynamic imaging and in situ isolation of the same single-cell, to profile the non-genetic determinants of predicted drug-tolerant cells with fate-seq**

11:45 - 12:15 – Dr. Mindaugas VALIUS, Vilnius University Life Sciences Center  
**Proteomics for the elucidation of anticancer drug resistance and drug repurposing**

#### Lunch Break (1 h 15 min)

**Afternoon Chairperson:** Aurelija POVILAIKĖ, NCP Horizon Europe (ERC and Widening); NCP Coordinator Research Council of Lithuania (TBC)

13:30- 14:00 – Dr. Linas MAŽUTIS, Vilnius University Life Sciences Center  
**Tackling tumor and immune system heterogeneity using scRNA-Seq**

14:00- 14:30 – Aurélie TCHOUGHANDJIAN, Institute of Neurophysiopathology  
**Smac mimetic as pan-cellular therapy in glioblastoma**

14:30- 15:00 – Dr. Andrius ŽUČENKA, Vilnius University Hospital Santaros Klinikos  
**Biomarker based research of new treatment approaches to relapsed and refractory acute myeloid leukemia**

15:00- 15:30 – Dr. Eddy PASQUIER,  
**Reverse molecular pharmacology: using existing drugs to discover novel vulnerabilities in refractory cancer**

**Second day: December 7, Wednesday**

CET time, Lithuania +1 h

**Topic 2 : NEURODEGENERATIVE DISEASES**

**Morning Chairperson : Dr. Emmanuel BROUILLET, Research Director at CNRS, Paris**

09:00 -9:30 - Prof. Dr. Vilmantė BORUTAITĖ, Lithuanian University of Health Sciences (LSMU)-Kaunas Clinics  
**Neurotoxic effects of extracellular tau and other amyloidogenic proteins**

9:30 – 10:00 – Dr. Marc DHENAIN, Laboratory of neurodegenerative diseases at the Molecular Imaging Center (MIRCent)  
**Intragenic transmission of  $\beta$ -amyloid and tau proteins: Importance for clinical and biomedical research on Alzheimer's disease**

10:00 – 10:30 – Dr. Augustas PIVORIŪNAS, Centre for Innovative Medicine  
**Extracellular vesicles as a potent therapeutic tools against Parkinson's disease**

*Coffee break (15 min.)*

10:45 – 11:15- Dr. Marie-Claude POTIER, Title TBC

11:15 - 11:45- Dr. Rima BUDVYTYTĖ, Vilnius University Life Sciences Center  
**The interaction of amyloid  $\beta$  oligomers with lipid membranes: implications for neurodegeneration**

11:45 – 12:15 – Dr. Hélène MARIE, Institute of Molecular and Cellular Pharmacology (IPMC)  
**Amyloid precursor protein peptides: physiological modulators of neuronal signaling**

*Lunch Break (1h 15 min)*

**Topic 3 : INFECTIOUS DISEASES**

**Morning Chairperson: Dr Sylvie GUERDER, Research Director at CNRS, Toulouse**

13:30 - 14:00 – Dr. François TROTTEIN, Center of Infection and Immunity of Lille

**Impact of respiratory viral infections on gut microbiota's composition and functionality : from short chain fatty acids to glycolipids**

14:00 - 14:30 – Prof. Dr. Auksė MICKIENĖ and Vytautas GRIŠKA, Lithuanian University of Health Sciences & Department of Infectious diseases of Lithuanian University of Health Sciences Kaunas Hospital

**A prospective study on the long-term outcome and pathogenesis of tick-borne encephalitis/Lithuanian University of Health Sciences (LUHS) and LUHS Kaunas Hospital, Department of Infectious Diseases**

*(the presentation will be given by Vytautas GRIŠKA)*

14:30 - 15:00 – Dr. Nicolas PERSONNIC, Centre international de recherche en infectiologie (CIRI)

**Single-cell dynamics and persistence of Legionella pneumophila**

*Coffee break (15 min.)*

15:15 – 15:45 – Dr. Gytis DUDAS, Vilnius University Life Sciences Center

**Emergence and spread of SARS-CoV-2 lineage B.1.620 with variant of concern-like mutations and deletions**

## Roundtable

15:45 - 17:00 - Discussion on how to reinforce the collaboration (institutions representatives) and concluding remarks

### French representatives:

- Emmanuel BROUILLET, Head, Europe and International Affairs, INSB, CNRS
- Etienne SNOECK, Director for European Affairs, CNRS

### Lithuanian representatives :

- Kornelija BACVINKIENĖ, Programme Coordinator for the Lithuanian–French bilateral cooperation Programme; Research Council of Lithuania
- Aurelija POVILAIKĖ, NCP Horizon Europe (ERC and Widening); NCP Coordinator Research Council of Lithuania
- Sigita AUVERTIN, NCP Horizon Europe (Health); Research Council of Lithuania
- Laura PĖKIENĖ, NCP Horizon Europe (Health, Cancer mission); Research Council of Lithuania
- Tadas TUMĖNAS, Head of Lithuanian Research Development and Innovation Liaison Office in Brussels

## IMPORTANT

To receive web conference codes, please fill the registration form:

<https://premc.typeform.com/CNRSandLT?typeform-source=premc.org>