

PROGRAM

Monday 13th February 2017 | Amphithéâtre Charles Mérieux, ENS Lyon

10:30 AM Registration and light refreshments

12:30 PM **Opening: Alain Puisieux**, CRCL Director (Lyon, France) and **François-Loïc Cosset**, CIRI Director (Lyon, France)

12:45 PM **Keynote Lecture: Antonio Lanzavecchia** (Institute for Research in Biomedicine, Bellinzona, Switzerland)
"Broadly neutralizing antibodies and a new mechanism of diversification"

1:45 PM

Session 1

Innate sensing and inflammasome

Moderators: Marlène Dreux and Nicolas Manel

- **Nicolas Manel** (Institut Curie, INSERM U932, Paris, France) 30 min
"Interactions of dendritic cells with viruses"
- **Andrea Ablasser** (Ecole Polytechnique Fédérale de Lausanne, Lausanne, Switzerland) 30 min
"The role of intracellular DNA sensing through cGAS during infection and beyond"
- **Brice Lagrange** (International Center for Infectiology Research, Lyon, France) 15 min
"Major contribution of non-canonical caspase-4 inflammasome in human cells infected with Francisella tularensis: variation in the sensing of Ips between mice and humans"
- **Nadine Laguette** (Institute of Human Genetics, Montpellier, France) 15 min
"Recognition of endogenous reverse transcriptase activity-generated immunogenic nucleic acids"

3:15 PM

Coffee Break

3:45 PM

Moderators: Virginie Petrilli and Daniel Stetson

- **Yannick Crow** (Institut Imagine, Paris & University of Manchester) 30 min
"Human type I interferonopathies"
- **Daniel Stetson** (University of Washington, USA) 30 min
"Nucleic acid detection in host defense and autoimmunity"

- **Virginie Petrilli** (Cancer Research Center of Lyon, Lyon, France) 15 min
"Inflammasome facilitates mammary tumor growth by modulating of NK cell activity"
- **Boris Reizis** (New York University Langone Medical Center , New-York, USA) 30 min
"Mononuclear phagocytes, DNase and autoimmunity"
- **Charles R.M. Bangham** (Section of Virology, Department of Medicine, Imperial College, London, UK) 30 min
"How does HTLV-1 cause leukaemia?"

6:30 PM

Welcome Cocktail

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8:45 AM

Session 2

Dendritic cells

Moderators: Marc Dalod and Jenny Valladeau

- **Jolandra de Vries** (Radboudumc, dept. of Tumor Immunology, Nijmegen, Netherlands) 30 min
"Tumor antigen-loaded natural dendritic cells: a more powerful next generation cancer vaccine?"
- **Marc Dalod** (CIML, Marseille, France) 30 min
"Activation and functions of dendritic cells and classical monocytes during mouse cytomegalovirus infection"
- **Margaux Hubert** (Cancer Research Center of Lyon, Lyon, France) 15 min
"BDCA3HI dendritic cells infiltrate breast and ovarian tumors but are functionally altered"
- **Brian Webster** (International Center for Infectiology Research, Lyon France) 15 min
"Control of dengue virus infection *in vivo* by plasmacytoid dendritic cells"
- **Veit Hornung** (Ludwig - Maximilians - Universität Munich, Germany) 30 min
"NLRP3 inflammasome signaling in the human system"

10:45 AM

Coffee break

Session 3

T cell responses and immune Checkpoints

11:15 AM

Moderators: Christophe Caux and Marc Veldhoen

- **Marc Veldhoen** (Instituto de Medicina Molecular , Lisboa, Portugal) 30 min
"Altered metabolic function maintains tissue resident t lymphocytes and arrests their activity"
- **Audrey Gerard** (The Kennedy Institute of Rheumatology, Oxford, UK)15 min
"Specification of IFN gamma function through IFN gamma/integrin signaling pathway integration regulates CD8 T cell effector differentiation"
- **Jacqueline Marvel** (International Center for Infectiology Research, Lyon, France) 15 min
"Phenotypic identification of nascent memory CD8 T cells coupled to mathematical modeling allows early prediction of memory cell counts"
- **Julien Marie** (Cancer Research Center of Lyon, Lyon, France) 30 min
"TGF-beta orchestrates lymphocytes to prevent spontaneous colorectal cancers induced by the microbiota"
- **Andrew Kaiser** (Milteyi Biotec, Bergisch Gladbach, Germany) 15 min
"Simple automated manufacturing of gene engineered T cells from healthy and patient material for adoptive T cell therapy"

1:00 PM

Lunch break + poster session (topics 1 + 3 + 5)

3:00 PM

Session 4

Innate lymphoid and unconventional T cells

Moderators: Adelheid Cerwenka and Thierry Walzer

- **Antoine Marçais** (International Center for Infectiology Research, Lyon France) 30 min
"Control of MK cell education by the mTOR pathway"
- **Adelheid Cerwenka** (German Cancer Research Center, Heidelberg, Germany) 30min
"Harnessing Natural Killer Receptors against Cancer"

4:00 PM

Coffee break

4:30 PM

Session 4

Innate lymphoid and unconventional T cells

- **Yenan Bryceson** (Centre for Hematology and Regenerative Medicine, Stockholm, Sweden) 30 min
"Evidence for long-lived adaptive NK cells in humans"
- **Elena Blanc** (Cancer Research Center of Lyon, Lyon, France) 15 min
"The alarmin IL-33 is expressed in breast cancer: an emerging role in breast cancer immunity via the activation of NK cells?"
- **Rémy Robinot** (Cancer Research Center of Lyon, Lyon, France) 15 min
"Chronic bacterial infections drive natural killer T-cell lymphomagenesis in mice"
- **Andreas Diefenbach** (Institute of Microbiology, Charité, University Medical Centre Berlin, Berlin, Germany) 30 min
"Innate lymphoid cells in the control of organ homeostasis"

6:00 PM

8:00 PM

Gala dinner at "Le Selcius" Restaurant (see p.16)

Wednesday 15th February 2017 | Amphithéâtre Charles Mérieux, ENS Lyon

9:00 AM

Session 5

B cell responses

Moderators: Thierry Defrance and Claude-Agnès Reynaud

- **Claude-Agnès Reynaud** (Institut Necker-Enfants Malade, Paris, France) 30 min
"Innate-like and adaptive IgM memory"
- **Simon Fillatreau** (Institut Necker-Enfants Malade, Paris, France) 30 min
"Diversity of antibody-secreting cells"
- **Jayanta Chaudhuri** (Memorial Sloan Kettering Cancer Center, New-York, USA) 15 min
"The aryl hydrocarbon receptor and B cell fate decisions"
- **Thierry Defrance** (International Center for Infectiology Research, Lyon, France) 15 min
"IGM-expressing plasma cells: a case of split cellular personality"
- **Andrea Cerutti** (IMIM, Barcelona, Spain) 30 min
"New Insights in Intestinal IgM Responses"

11:00 AM

Coffee break

11:30 AM

Session 6

Regulatory cells

Moderators: Leila Akkari and Julien Marie

- **Claudia Mauri** (Division of Medicine, University College London, UK) 30 min
"Regulatory B cells "bridge" the innate and the adaptive immune response"
- **Laurie Baert** (Grenoble-Alpes University, La Tronche, France) 15 min
"Identification of reactive astrocytes as regulatory cells in brain autoimmunity"
- **Julie Lucifora** (Cancer Research Center of Lyon, Lyon, France) 15 min
"Interplay between HBV and innate immunity pathways in hepatocytes and non-parenchymal liver cells: from understanding to immune-therapeutic concepts"

12:30 PM

Lunch break + poster session (topics 2 + 4 + 6)

2:30 PM

Session 6:

Regulatory cells

- **Leila Akkari** (Netherland Cancer Institute, Amsterdam, Netherlands) 30 min
"Combinatorial targeting of tumor-associated macrophages/ microglia with radiotherapy in gliomas"
- **Nadine Varin-Blank** (UMR U978 Inserm/Université Paris 13, APHP GHPSSD, Bobigny, France) 15 min
"Enhanced immune-regulatory B cells function in progressive chronic lymphocytic leukemia patients"

3:15 PM

Keynote Lecture: Alexander Rudensky (Howard Hughes Medical Institute and Immunology Program, Ludwig Center, Memorial Sloan Kettering Cancer Center, New York, USA)
"Mechanisms of Differentiation and function of Regulatory Cells"

4:15 PM

Poster prizes and Closing Ceremony

4:30 PM