



One-Day GREMI Meeting “Inflamed cells: Latest news from inside”
March 15, 2019 - Pasteur Institute (Duclaux Lecture Theater)

8:30-9:15 Registration of the participants in the Hall of the Duclaux Building

9:15-9:20 Opening and welcome remarks

Session 1: Inflammation initiated by stressed organelles

9:20 Fabio Martinon (University of Lausanne, Switzerland) “Activation and regulation of the inflammasome”

9:50 Mégane Nascimento (UMR7355 CNRS and University of Orleans, France) Nlrp6 controls cigarette smoke-induced lung inflammation via a gut-lung axis and CXCL5 secretion

10:05 Jean-Michel Sallenave (INSERM U1152, Paris, France) Influenza A virus impairs antimicrobial molecules production *in vitro* and *in vivo*, promoting lung bacterial super-infection and IL-1 β -mediated inflammation

10:20 Sara Mouasni (Institut Cochin, Paris, France) The classical NLRP3 inflammasome controls FADD unconventional secretion through microvesicle shedding

10:35-11:05 Coffee Break, Poster session and Exhibition stand visit

Session 2: Metabolic reprogramming and inflammation

11:05 Edward J Pearce (Max Planck Institute, Freiburg, Germany) “Metabolic compensation for self-inflicted damage during macrophage activation”

11:35 Thomas Laval (Institut Pasteur, Paris, France) Infection-driven rewiring of fatty acid metabolism helps macrophages contain *Mycobacterium tuberculosis* growth

11:50 Valerie Urbach (Institut Necker Enfants Malades, Paris, France) Specialized proresolving mediators defect and cystic fibrosis airway disease

12:05 Cécile Arrieumerlou (Institut Cochin, Paris, France) ADP-heptose is a newly identified pathogen-associated molecular pattern of *Shigella flexneri*

12:20-12:35 Boris Vargaftig (São Paulo University, Brazil): “In memory of Michel Chignard”

12:35-14:35 Lunch, Poster session and Exhibition stand visit

Session 3: New intracellular sensors of danger in inflammation

14:35 Nicolas Manel (Curie Institute, Paris, France) “Activation of innate immune sensors by viruses and self”

15:05 Valérie Quesniaux (UMR7355 CNRS and University of Orleans, France) STING-dependent sensing of self-DNA drives silica-induced lung inflammation

15:20 Petros Tzerpos (University of Debrecen, Hungary) Chromatin dynamics and gene regulation in inflammatory macrophages during skeletal muscle regeneration upon an acute sterile injury

15:35 Marjolaine Gosset (Université Paris Descartes, France) Characterization of the bone micro-architecture of Nlrp-3 knock-out mice

15:50-16:20 Coffee Break, Poster session and Exhibition visit

Session 4: Imaging cellular and molecular mechanisms of inflammation

16:20 Philippe Bousso, (Pasteur Institute, INSERM U1223, Paris, France) “Spatiotemporal regulation of inflammatory responses”

16:50 Alexandre Paccalet (Lyon 1 University, France) Spatiotemporal study of inflammation during the early phase of myocardial ischemia-reperfusion

17:05 Mégane Poncin (Université catholique de Louvain, Belgique) Insights into mechanisms of innate immunity: specific interactions measured by AFM between peroxiredoxin-5 and Toll-like receptor 4

17:20 Alexandra Zak (Ecole polytechnique - Université Paris Sud, France) Viscoelastic properties of neutrophils during phagocytosis

17:35 Closing remarks