

Extracellular Vesicles 2025

IT Cell biology, reproduction, development and evolution
IT Health technologies
IT Immunology, inflammation, infectiology
and microbiology

June 25th to 27th 2025

**Amphithéâtre Buffon
15, rue Hélène Brion
75013 Paris**

Wednesday 25th 2025

1:45 pm - 2:00 pm Opening

- **2:00 pm - 6:00 pm** **Session 1: EV neurodegenerative disease and cell senescence and aging - Chairperson : *Christian Neri***
- **2:00 pm - 2:30 pm** **Luc Buée**, Inserm, Lille Neuroscience & Cognition, Lille - France
Extracellular Vesicles in Alzheimer's Disease and Tauopathies: Pathological Agents, Biomarkers, or Therapeutic Tools?
- **2:30 pm - 3:00 pm** **Fabrisia Ambrosio**, Harvard Medical School, Charlestown - USA
Engineering and Exercise to Measure and Modulate Youthful Factors in Circulating Extracellular Vesicles
- **3:00 pm - 3:30 pm** **Stefan Momma**, Goethe University, Frankfurt - Germany
Scope and function of extracellular vesicle-mediated communication between the periphery and central nervous system during inflammation
- *Selected talks*
- **3:30 pm - 3:45 pm** **Somya Vats**, Inserm U1266, Institut de Psychiatrie et Neurosciences de Paris – France
Role of Late Endosomal Autophagy-Dependent Secretion of ER and Mitochondrial Components in Cell Fitness and Communication
- **3:45 pm - 4:00 pm** **Inger Lauritzen**, IPMC CNRS 7275-UniCA, Inserm U1323, Valbonne - France
Role of Presenilins in the balance of autophagy and extracellular secretion

4:00 pm - 5:15 pm Coffee break and Poster session n°1

- **5:15 pm - 6:00 pm** **Keynote speaker**
Jason Shepherd, University of Utah, Salt Lake City - USA
Virus-like extracellular vesicle biogenesis in brain function and disease

Thursday 26th 2025

- **9:00 am - 12:30 pm** **Session 2: EV biogenesis and signaling mechanisms in cellular resilience - Chairperson : *Thierry Galli***

- **9:00 am - 9:30 am** **Pascale Zimmermann**, University of Leuven, KU Leuven - Belgium & Cancer Research Center Marseille - France
What's New in the Syndecan–Syntenin Story of EV Biology?
- **9:30 am - 10:00 am** **Gregory Lavieu**, Inserm U1316, Paris - France
Genetic Screening Identifies WNT5A/RYK as a Determinant of Extracellular Vesicle Fate

Selected talks

- **10:00 am - 10:15 am** **Vincent Hyenne**, Tumor Biomechanics Lab, Inserm U1109, CNRS SNC5055, Strasbourg - France
Tumor extracellular vesicles promote metastasis through fast neutrophil mobilization and NETs formation

10:30 am - 11:00 am Coffee break

- **11:00 am - 11:30 am** **Fred Verweij**, Utrecht University, The Netherlands
What goes in, sometimes comes out: Tracking Extracellular Vesicle loading and release using optical reporters
- **11:30 am - 12:00 pm** **Lorena Martin-Jaular**, Curie Institute, Paris - France
Functional heterogeneity of Extracellular Vesicles

Selected talks

- **12:00 pm - 12:15 pm** **Cécile Malnou**, U1291 Infinity Inserm, Université Toulouse - France
Role of extracellular vesicles in maternal-fetal dialogue during viral congenital infection
- **12:15 pm - 12:30 pm** **Julie Gavard**, CRCI2NA, Nantes – France
Unraveling the Centriolar Satellites in the Lysosome Positioning of Glioblastoma Cell

12:30 pm - 2:00 pm Lunch

- **2:00 pm - 6:00 pm** **Session 3: Challenges in engineering, manufacturing and testing EVbased drug delivery systems**
*Chairperson : **Anne-Claire Guénantin***
- **2:00 pm - 2:30 pm** **Celine Elie-Caille**, Institute FEMTO-ST, CNRS, Université Bourgogne Franche Comté - France
Discriminative and multimodal characterization of EVs in a complex matrix

- **2:30 pm - 3:00 pm** **Juan Manuel Falcón**, Derio, Bizkaia - Spain
An in vitro study of loading and functional testing of EVs for therapeutics purposes
- **3:00 pm - 3:30 pm** **Sébastien Banzet**, Centre de Transfusion Sanguine des Armées, Inserm UMR-MD-1197, Clamart - France
Extracellular vesicles: moving through the stages of pharmaceutical development
- *Selected talks*
- **3:30 pm - 3:45 pm** **Kelly Aubertin**, Laboratoire NABI, UP Cité, Paris - France
Extracellular Vesicles, Raman spectroscopy, Machine Learning, Bioproduction
- **3:45 pm - 4:00 pm** **Alexis Williams**, Howard University, Washington D. C. - USA
Assessing copy numbers of human retrotransposon Line-1 insertions made by a dual reporter system

4:00 pm - 5:00 pm Coffee break and Poster session n°2

- **5:00 pm - 5:30 pm** **Marie Morille**, University of Montpellier - France
MSC-EV surface engineering : interest for control of biodistribution and exogenous cargo delivery.
- **5:30 pm - 6:00 pm** **Jessica Gobbo**, Inserm 1231, Dijon - France
Extracellular Vesicle Profiling for Cancer Immunotherapy: Breaking Barriers Between Dream and Practice

6:00 pm Cocktail

Friday 27th 2025

- **9:00 am - 12:30 pm** **Session 4: EVs, immunity and infection**
Chairperson : Patricia Renesto
- **9:00 am - 9:45 am** **Keynote speaker**
Clotilde Théry, Curie Institute, Paris – France
Extracellular vesicles and communication between tumors and the immune system
- *Selected talks*
- **9:45 am - 10:00 am** **Alicia Corbellini Piffer**, Institut Pasteur, Université Paris Cité, Unité Biologie des ARN des Pathogènes Fongiques, Paris - France
*Identification of key regulators of extracellular vesicle production in *Cryptococcus neoformans**
- **10:00 am - 10:15 am** **Julia Bos**, Institut Pasteur, Paris - France
*Extracellular vesicle production and membrane uptake promote repair and antibiotic tolerance in *E. coli**

10:15 am - 10:45 am Coffee break

- **10:45 am - 11:15 am** **Danièle Noel**, Inserm, Montpellier - France
Extracellular vesicles from iPSC-derived mesenchymal stromal cells: towards reduced heterogeneity and improved functional efficiency?
- **11:15 am - 11:45 pm** **Guilhem Janbon**, Pasteur Institute, Paris - France
*Extracellular vesicles in the human fungal pathogen *Cryptococcus neoformans**
- **11:45 am - 12:15 pm** **An Hendrix**, Laboratory of Experimental cancer research, Gent - Belgium
Extracellular vesicles : from exploration to practical application
- **12:15 pm - 12:30 pm** **Award of best short talks and best poster prizes**
Conclusion