



Extracellular Vesicles in Occitanie: from cell biology to translational medicine

3rd Scientific Day EV'Occ network

October 9th, 2025

Oncopôle – IUCT Amphitheater, Toulouse



PROGRAM:

- 9h30-10h: Attendee arrival
- 10h: Welcome and introduction

10h10-11h20: EV & Cancer

Chairs: Julie Constanzo / Sandrine Poirot

- **10h10:** Deciphering the cell death pathway induced by extracellular vesicles generated from radiopharmaceutical therapy. *Sarah Braga-Cohen*
- **10h25:** Exploring Extracellular Vesicle-Associated Plasma Cell-Free DNA Structure for Agnostic Biomarker Identification. *Michaël Toubanc*
- **10h40:** Identification of a lipid that confers anti-tumor immunogenicity to extracellular vesicles secreted by the dendrogin A/LXRβ complex. *Julio BUNAY*
- **10h55:** Mutated β-catenin alters small extracellular vesicles to drive immune escape in Hepatocellular Carcinoma. *Rémi Darracq*
- **11h10:** *Nanoscale Metrix*

11h20-11h50: Coffee break



11h50-12h45 - Inflammation & Infections

Chairs: Emilie Layre / Cécile Malnou

- **11h50:** Synergistic Effects of Interleukin-1B and High Glucose on NLRP3 Inflammasome Activation, Small Extracellular Vesicle Release, and Vascular Cell Inflammation. *Xavier Vidal-Gomez*
- **12h05:** Colon-derived EVs: New Messengers Bridging Gut Microbiota Dysbiosis to Systemic Inflammation via microRNAs during Genotoxic E. coli Infection. *Matteo Serino*
- **12h20:** Prognostic biomarkers for human cytomegalovirus congenital infection. *Cécile Malnou*
- **12h35:** *Particle Metrix (visio)*

12h45-14h15: Lunch break / Poster Session

14h15-14h35: Technology

Chairs: Marie Morille

- **14h15:** Platform EVE. *Marie Maumus*
- **14h20:** Platform VEM. *Carmen Martinez*
- **14h25:** *Bio-Techne*

14h35-15h45 - Innovation in EVs

Chairs: Marie Maumus / Marie Morille

- **14h35:** Field-Flow Fractionation (FFF) Techniques for Isolating and Analyzing Extracellular Vesicles. *Marie Hennetier*
- **14h50:** New microfluidic technology allows detection and high throughput sorting of single fluorescent extracellular vesicles. *Mickael Couty*
- **15h05:** Optimization of the nebulization parameters for Enhanced Pulmonary Delivery of Extracellular Vesicles. *Zeineb Ibn Elfekih*
- **15h20:** Development of lipid nanoparticles encapsulating mRNA coding for the allergen Bet v 1 for the treatment of birch pollen allergy. *Charlotte Hateb*
- **15h35:** *Malvern*

15h45 - 16h15 COFFEE BREAK

16h15-17h10 - EV as future biotherapeutics
Chairs: Andriantsitohaina Ramaroson / Marie-Pierre Rols

- **16h15:** Therapeutic RNA Delivery via Engineered Hybrid Extracellular Vesicles for Musculoskeletal Regeneration. *Marion Sicot*
- **16h30:** A new model of hemarthrosis revealed the therapeutic effect of extracellular vesicles isolated from mesenchymal stromal cells on chondrocytes. *Claire Bony Garayt*
- **16h45:** Importance of the bioproduction process on the functional activity of extracellular vesicles produced by iPSC-derived mesenchymal stromal cells. *Zoé Servant*
- **17h00:** *Olink*

17h10 - 17h20 CONCLUSION - AWARDS - CLOSING REMARKS

Organizing committee : Julie Constanzo, Gilles Gadea, Emilie Layre, Cécile Malnou, Danièle Noël, Marie Maumus, Marie Morille, Verena Poinot, Sandrine Poirot, Andriantsitohaina Ramaroson, Marie Pierre Rols.