

FSEV MEETING 2023

FREE ONLINE EVENT ORGANIZED
BY YOUNG RESEARCHERS

General Assembly

Short Talks

Flash Talks

14TH

NOVEMBER 2023

9H-18H



INVITED SPEAKERS

LORENA MARTIN-JAULAR

Research Engineer

Unit: Immunity and Cancer

Curie Institute - Paris

Co-ordinator of Curiecoretech Network



JULIEN POMPON

Head of inter-Host Arbovirus Transmission Team

Unit: MIVEGEC

Institute of Research for Development - Montpellier



Registration: fsevmeeting2023.sciencesconf.org/registration



French Society of Extracellular Vesicle

6th meeting – November 14th 2023



9h Welcome introduction, practical & technical aspects

ORAL SESSION 1 : Cancers & Pathologies

Moderators : Antonin Marquant & Raphaël Leblanc



9h10 – 9h50

► **KEYNOTE 1 : “Interactions between dengue virus and mosquito extracellular vesicles that determine viral transmission”**

Julien Pompon – Montpellier

9h50



“Role of cardiomyocyte-derived extracellular vesicles in post-ischemic cardiac remodeling”

Lélia Borowski – Paris

“Microglia-derived extracellular vesicles promote neuropathology in Sanfilippo syndrome”

Chloé Dias – Toulouse

“Unravelling the role of CD133 in breast cancer-Extracellular Vesicles in invasion and metastasis”

Mireia Gomez – Paris

“Lipoglucotoxicity associated with High-Fat Diets affects the biological activity of M2-CD163+ macrophage-release extracellular vesicles which impact skeletal muscle cell homeostasis”

Stefano Tacconi – Lyon

11h – 11h20

BREAK

11h20

Sponsor presentation



11h25



“Early and fast immune priming of pre-metastatic niches by tumor extracellular vesicles in a model of triple-negative breast cancer”

Louis Bochler – Strasbourg

“Mesenchymal stromal cells-derived exosomes: a new treatment for horse osteoarthritis?”

Frédéric Cassé – Caen

11h40

FSEV General Assembly

13h – 14h

LUNCH BREAK

ORAL SESSION 2 : Advanced Approaches

Moderators : Mathilde Richard & Adilah Mamode Cassim



14h00 – 14h40

▶ **KEYNOTE 2 : “EV heterogeneity and functional consequences”**

Lorena Martin-Jaular – Paris

14h40



“ExoJ. an ImageJ/Fiji tool for the identification and analysis of exocytosis”

Philippe Bun – Paris

“Use of lipid anchors for proteins association to extracellular vesicles for intracellular drug delivery”

Antonin Marquant – Montpellier

“Characterization of the cargos of extracellular vesicles derived from bone by a proteomic approach”

Laura Entz – Nantes

“Diversity of extracellular vesicles in human follicular fluid: morphological analysis and quantification and relation to ovarian diseases”

Solène Ducarre – Rennes

15h55

Sponsor presentation  **Abbelight**

NOW, WE SEE

16h



“Microfluidic perfusion system for single organoid culture and isolation of its secretion in extracellular vesicles”

Marie Hut – Grenoble

“Spatio temporal analysis of mammary extracellular vesicles transfer and role as a carrier metal nanoparticles”

Simon Marie – Paris

16h10 – 16h30

BREAK

ORAL SESSION 3 : Microbiology

Moderators : Lucas Walther & Anaïs Bécot

16h30



“Extracellular vesicles of Gram-positive bacteria in the gut microbiota of the newborn: extraction and physical characterization”

Anaïs Halbert – Nantes

16h45



“Calcium, a key regulator of extracellular vesicle production in *Cryptococcus neoformans*”

Alicia Corbellini Piffer – Paris

“Impact of hCMV infection on miRNA composition of placental small extracellular vesicles and consequences on fetal neural stem cell biology”

Charlène Martin – Toulouse

16h55

Sponsor presentation  **BECKMAN COULTER**

17h – 17h30

Best Thesis, ⚡ Flash & 🕒 Short talk awards and closure

This 2023 FSEV online meeting has been organized by PhD & Post-doc candidates with the support of the FSEV board

► **Adiilah MAMODE CASSIM** – Post-doc, Dijon

The aim of my project is to identify and characterize EV-markers as a diagnostic tool in breast cancer.

► **Anaïs BÉCOT** – Post-doc, Paris

The main goal of my project is to identify, thanks to a medium throughput/high content screening in the zebrafish model, molecules targeting amyloids associated to Alzheimer's disease.

► **Antonin MARQUANT** – PhD candidate, Montpellier

My PhD project aims to load proteins with EVs as nanovectors in order to reach intracellular therapeutic targets. I'm developing biochemical approaches both on EVs and proteins to provide more versatile methods.

► **Louise MERLE** – PhD candidate, Paris

My project aims at tracking the fate of tumor derived extracellular vesicles in both in vitro and in vivo contexts.

► **Lucas WALTHER** – PhD candidate, Strasbourg

I am aiming at characterizing extracellular vesicles released from human primary cells infected with armed poxviral vectors and developing their use in EV-based cancer therapy.

► **Marine BRETOU** – Post-doc, Paris

I'm looking to develop a new zebrafish model to study Alzheimer disease.

► **Mathilde RICHARD** – PhD candidate, Nantes

My project aims to characterize plasma extracellular vesicles in patients with metastatic breast cancer.

► **Raphaël LEBLANC** – Post-doc, Marseille

My project aims at targeting exosomal communication in Acute Myeloid Leukemia.

► **Shima GHOROGHI** – Post-doc, Paris

I aim to unravel the specific functions of tumor-derived EV-associated CSF1 in anti-tumor immune responses.

FSEV gratefully acknowledge the sponsors of our 2023 online meeting

PLATINUM



GOLD

