

Extracellular Vesicles in Health & Disease FSEV-2019 Congress

PROGRAM

OCTOBER 14-15, 2019

Nantes, FRANCE

<https://symposium.inra.fr/fsev2019>



Extracellular Vesicles in Health & Disease

MONDAY OCTOBER 14th, 2019

08.30 : Registration

09.45 - 10.15 : Oral Session 1

09.45 : Welcome, Introduction

Sophie Rome, *President of FSEV*
Steffi Bosch, *FSEV2019 Organizing Committee*

10.00 : MISEV 2018 guidelines

Clotilde Théry
Institut Curie, INSERM U932, Paris

10.15 - 11.30 : Oral Session 2

10.15 : **A roadmap for EV biomarker discovery**

An Hendrix
GCRIG, Ghent University, Belgium

11.00 : Analysis of EVs by (cryo) transmission electron microscopy

Aurélien Dupont
Biosit, Rennes

11.15 : Separating tumor EV subtypes by Asymmetric Flow field flow fractionation (AF4) unravels differential functional capacities

Federico Coccozza
Institut Curie, INSERM U932, Paris

11.30 : **Poster Session 1 & Coffee**

12.00 - 13.00 : Oral Session 3

12.00 : The necroptosis effector MLKL drives extracellular vesicles release and tumour growth in glioblastoma

Gwennan André-Grégoire
CRCINA, INSERM U1232, Nantes

12.15 : Ral GTPases promote metastasis by controlling biogenesis and organotropism of extracellular vesicles

Shima Ghoroghi
FMTS, INSERM UMR_S1109, Strasbourg

12.30 : TrkB carried by exosomes involved glioblastoma tumor progression

Sofiane Saada
CAPTUR, EA3842, University Limoges, Limoges

12.45 : Circulating exosomal-PD-L1 as a marker for melanoma patients follow up

Marine Cordonnier
INSERM 1231, University Bourgogne Franche-Comté, Dijon

13.00 : **Poster Session 2 & Lunch**

14.00 - 15.00 : Oral Session Gold Sponsors

14.00 : Nanoview

14.10 : Beckman

14.20 : Luminex

14.30 : Izon

14.40 : Cell Guidance Systems

14.50 : Myriade

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15.00 - 16.45 : Oral Session 4

- 15.00 : Clinical implications of fat-derived EVs in obesity
Sophie Rome & Soazig Le Lay
*CarMeN, U1060 INSERM INRA 1397, Lyon
SOPAM, INSERM UMR1063, Angers*
- 15.45 : BMP: a unique endosome-associated phospholipid detected in extracellular vesicles
Maxence Rabia
CarMeN, INSERM UMR1060-INSA, Villeurbanne
- 16.00 : Polycyclic aromatic hydrocarbons trigger a hepatocyte release of pro-apoptotic extracellular vesicles
Nettie van Meteren
Irset, UMR_S 1085, Rennes
- 16.15 : Prognostic impact of small microparticles in cirrhotic patients: a longitudinal study
Delphine Weil
CHU Jean Minjot, EA 4266, Besançon
- 16.30 : Implication in immune regulation of distinct subpopulations of extracellular vesicles of the pancreatic beta cell secretome
Giri Khem
IECM, ONIRIS USC INRA 1383, Nantes
- 16.45 : **Poster Session 3 & Coffee**

17.30 - 18.45 : Oral Session 5

- 17.30 : CD63 regulates cholesterol sorting to exosomes
Roberta Palmulli
IPNP and Institut Curie UMR144, Paris
- 17.45 : Cellular characterization of extracellular vesicle uptake and delivery
Emeline Bonsergent
Institut Curie, Université Paris Descartes, Paris
- 18.00 : Genes involved in toxin-loaded exosome uptake
Oksana Sergeeva
EPFL, Lausanne
- 18.15 : Discrete inter-organelle contacts affect exosome secretion by modulating MVE transport and fusion with the PM
Frederik Verweij
Institute of Psychiatry and Neurosciences Paris
- 18.30 : Microvilli-derived extracellular vesicles regulate morphogenesis in Drosophila wing imaginal discs
Gisela d'Angelo
Institut Curie, Paris
- 19.00 23.00 Networking Event, Machines de l'Île

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TUESDAY OCTOBER 15th, 2019

08.45 - 10.00 : Oral Session 6

- 08.45 : **How pathogenic bacteria produce specific nanoparticles to hijack the host cell's machinery and promote disease** Eric Oswald
IRSD, INSERM U1220, INRA U1416, ENVT, Toulouse
- 09.30 : Propionibacterium freudenreichii secretes extracellular vesicles with anti-inflammatory activity via NF- κ B pathway modulation Vinicius de Rezende Rodovalho
STLO, INRA, Rennes
- 09.45 : Cellular components specifically incorporated into HIV-1 particles and virus-modified EVs Lorena Martin-Jaular
Institut Curie, INSERM U932, Paris
- 10.00 : **Poster Session 4 & Coffee**

10.30 - 12.00 : Oral Session 7

- 10.30 : **Extracellular vesicles and cardiovascular diseases** Chantal Boulanger
PARCC, INSERM U970, HEGP, Paris
- 11.15 : Exploring the crosstalk between endothelial autophagy and extracellular vesicle biology: potential role in atherosclerosis Pierre-Michaël Coly
PARCC, INSERM U970, Paris
- 11.30 : Erythrocyte microvesicles increase arterial contraction in JAK2V617F myeloproliferative neoplasms Marion Tanguy
INSERM UMR_S1149, CRI, Paris
- 11.45 : Feces-derived extracellular vesicles from patients with liver diseases cause barrier dysfunctions by reducing ZO-1 and occludin expressions via non-muscular light chain kinase-dependent pathway Alexandre Villard
SOPAM, INSERM U1063, Angers
- 12.00 - 13.00 : **FSEV General Assembly**
Reports: Finances, Activities
Election New FSEV Board

13.00 : Poster Session 5 & Lunch

14.00 - 15.00 : Oral Session 8

- 14.00 : Extracellular vesicles from biological fluids of human and mouse models of tauopathies contain tau seeds Elodie Leroux
University of Lille, UMR-S 1172, Lille
- 14.15 : MiR-29a plays a crucial role in the therapeutic effect of MSC-derived extracellular vesicles in systemic sclerosis Marie Maumus
IRMB, INSERM, Univ Montpellier, Montpellier
- 14.30 : EV-mediated in vitro transcribed (IVT) mRNA-based gene delivery for specific prodrug activation in the tumor treats breast cancer in mice with no offsite toxicity Alexis Forterre
Stanford University School of Medicine, Stanford, CA, USA
- 14.45 : MSC derived mechanically-triggered EVs induce potent regenerative effect in vivo in local or IV injection in a model of myocardial infarction Iris Marangon
UMR 7057, Univ Paris Diderot, Paris
- 15.00 : **Poster Session 6 & Coffee**

15.30 - 16.00 : Oral Session 9

- 15.30 : Cellular response and extracellular vesicles characterization of human macrophages exposed to fine atmospheric particulate matter Perrine Martin
University of Littoral Côte d'Opale, Dunkerque
- 15.45 : Exosomes derived from human mesenchymal stromal cells mediate monocyte mobilization to orchestrate neovascularization in radiation-induced skin injury Radia Tamarat
(IRSN, PSE-SANTE, Fontenay-aux-Roses

16.00 : **Closing Ceremony: Oral and Poster Prizes**

16.30 - 18.00 : **Closed meeting of the newly elected FSEV board**