



April 2019

NEWS FROM FSEV SOCIETY:

@ WE ARE PROUD TO ANNOUNCE THAT ISEV HAS SELECTED **FRANCE TO HOST ITS 10th ANNUAL MEETING: ISEV-2021 in LYON, 07-11th MAY!** (The official announcement was made during the closing ceremony of ISEV-2019, 28th April 2019).

Sophie Rome and Clotilde Théry will be co-chairs of the International Organizing Committee.

IT WILL BE A FANTASTIC OPPORTUNITY FOR FSEV AND ALL THE FRENCH EV COMMUNITY TO PUBLISH THE EXCELLENCE OF OUR EV RESEARCH.

@ FSEV, represented by Sophie Rome and Clotilde Théry, had **a poster on display at ISEV-2019** (Kyoto-Japan) to describe its activities and organisation. FSEV also participated to a meeting with the ISEV board and the other national societies to work on the partnership with ISEV.

@ FSEV is currently organizing **elections for its new board**, which will be nominated during general assembly taking place in Nantes during FSEV-2019. Different steps will take place between May and October 2019: you have received a separate email to explain the procedure. **Applications as board members should be sent between May 1st and July 1st** to candidature@fsev.fr.

Application (1-2 pages max) must include the following info about the candidate:

- 1) name/surname,
- 2) laboratory name, number, city,
- 3) publications on EVs: oldest, most recent, 3 most important (with full references),
- 4) short text of motivation to become FSEV board member and description of some action(s) you would be able to develop.

FSEV EVENTS:

@ FSEV-2019: ENSA, Nantes, France, October 14-15th, 2019.

Deadline abstract and early registration: 15/06/2019.

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

@ Next GO-EV meeting (Network of laboratories from Pays de Loire/Bretagne working on EVs) will take place in Angers (CHU Hospital), **07/06/2019**. Thematic "exotic EVs". Please contact soazig.lelay@inserm.fr for further information.

OTHER EV EVENTS:

@ ISEV-2019: Kyoto, Japan, 24-28/04/2019. www.isev.org.

THE ABSTRACT BOOK IS NOW AVAILABLE ONLINE.

<https://www.tandfonline.com/toc/zjev20/8/sup1?nav=toCList>

see list of all abstracts submitted by FSEV members at the end of this letter

@ EMBO Workshop, Le Pouliguen, France, **12-16/05/2019**.

Caveolae and nanodomains: translating structural principles and dynamics into function.

<http://meetings.embo.org/event/19-caveolae/>.

EV presentations include: Philipp E. Scherer (UT Southwestern, USA) invited to talk about caveolin-associated EVs trafficking in adipocytes. 1 poster by american scientists.

@ Neurofrance 2019 (Société des Neurosciences), Marseille, France, **22-24/05/2019**.

Symposium "*Exocytosis and extracellular vesicle signalling in brain development, maintenance and diseases*" 23/05/2019.

<https://www.neurosciences.asso.fr/V2/colloques/SN19/>.

EV Speakers: Eva-Maria Krämer-Albers (Mainz, Germany), Guillaume van Niel (Paris), Morvane Colin (Lille), Remy Sadoul (La Tronche).

@ Austrian EV (ASEV) / International EV (ISEV)/ Österreichische Blut Transplant (OGBT) society meeting, Salzburg, Austria, **20-21/05/2019**.

3 EV sessions 20/05/2019, 9:30-15:00, including presentation from Clotilde Théry (FSEV) on *Biology of EVs*.

@ Labex Signalife meeting on "Distant intercellular communications", Nice, France, **22-24/06/2019**. Organized by Pascal Théron (pascal.therond@unice.fr).

Presentations on EVs by Clotilde Théry (Paris), Guillaume van Niel (Paris), Jacky Goetz (Strasbourg).

JOB OPPORTUNITIES:

@ 1 PhD position for a bioinformatics project in BioInf2Bio Biotech, in Porto, Portugal, within the TRAIN-EV EU funded ITN Network. Starting as soon as possible (**deadline 20/04/2019**, but possibly still open). See all details at: <http://train-ev.eu/open-positions/> <https://euraxess.ec.europa.eu/jobs/397285>

@ 1 Post-doc starting in 2019 in the team of P Zimmermann (Marseille), in collaboration with teams of E Rubinstein (Paris), and of C Théry (Paris).

Mechanisms controlling the molecular and functional heterogeneity of Extracellular Vesicles. Full adv available at www.fsev.fr/jobs.html.

Contact: pascale.zimmermann@inserm.fr

@ Mobility offer for CR or DR INSERM to join the team of P Zimmermann (CRCM, Marseille): "Spatio-temporal regulation of cell signaling". Expertise in molecular and cellular biology required.

See website of the Center: <http://crcm.marseille.fr/en>

contact: pascale.zimmermann@inserm.fr

@ The Goetz Lab at INSERM U1109 is seeking a talented postdoctoral scientist with background in Cell Biology, Cancer Biology or Immunology and interest in

interdisciplinary research. The candidate will be in charge of driving a project aiming to use the zebrafish embryo for studying the impact of extracellular vesicles and immune cells in metastatic outgrowth.

For more information on the group's research see www.goetzlab.com

RECENT publications from the french FSEV community

@ Launching of a special issue in "Sensors Journal" dealing with the **Nanobiosensing of EVs in biofluids**. In this Special Issue are welcome position paper, reviews and original research papers describing the development and validation of EVs biosensors in any biological fluids.

For further information, please visit mdpi.com/si/26108.

The submission process is opened from **april 2019 to march 2020**.

Guest Editors: Dr. Wilfrid Boireau (wilfrid.boireau@femto-st.fr) and Dr. Yu-Jui Fan (ray.yj.fan@tmu.edu.tw)

@ Reviews:

-Almiñana C, Bauersachs S. Extracellular Vesicles in the Oviduct: Progress, Challenges and Implications for the Reproductive Success. *Bioengineering (Basel)*. 2019 Apr 12;6(2). pii: E32. doi: 10.3390/bioengineering6020032. Review. PubMed. PMID: 31013857.

-Stahl PD, Raposo G. Extracellular Vesicles: Exosomes and Microvesicles, Integrators of Homeostasis. *Physiology (Bethesda)*. 2019 May 1;34(3):169-177. doi: 10.1152/physiol.00045.2018. PubMed PMID: 30968753.

@ Late Breaking Abstracts of French laboratories presented at ISEV-2019 Kyoto

Mercedes Tkach, Caroline Hégo, Clotilde Théry, Charlotte Proudhon. Institut Curie, Paris.

Assessing the value of Extracellular Vesicles' DNA and proteins as biomarkers in metastatic breast cancer. Oral presentation

Juliette Peltzer^{1,2}, ..., Georges Uzan¹, Radia Tamara². ¹UMR-MD-1197, Ministère de la défense, ²Villejuif, Institut de Recherche Biomédicale des Armées, Clamart

Extracellular Vesicles from Mesenchymal Stromal Cells for the Treatment of radiological burns

Juliette Peltzer^{1,2}, ..., Jean-Jacques Lataillade^{1,2}, Sébastien Banzet^{1,2}. ¹Institut de Recherche Biomédicale des Armées, Clamart, ²UMR-MD-1197, Ministère de la défense, Villejuif

Interferon-gamma priming, but not hypoxia, modifies the miRNA landscape of human mesenchymal stromal cells (MSC) extracellular vesicles (EV).

@ Other Abstracts of French laboratories presented at ISEV-2019 Kyoto

Oral:

-Alain R Brisson ... Stéphane Mornet, Univ Bordeaux UMR-5248-CBMN, Bordeaux.

Search for EV signature in Sickle Cell Disease.

-A Khat ... CM Boulanger, O Blanc-Brude. PaRCC, INSERM UMRs970, Paris.

An explanation for 'PS-negative' extracellular vesicles: endogenous annexin-A5 from the cytosol cover externalized phosphatidylserine on plasma membranes.

-Mathilde Mathieu ... Clotilde Théry, Institut Curie, INSERM U932, Paris.

Linking the trafficking of CD63 and CD9 to their secretion mechanisms into EVs.

-Roberta Palmulli ... Graça Raposo, Guillaume van Niel, Institut Curie CNRS UMR144 and IPNP, Paris.

Interdependency of the multiple endosomal sorting mechanisms influencing exosomes biogenesis.

Poster:

-Francesca Farina .. Christian Nérij, IBPS, CNRS UMR 8256, Paris.

Bioinformatic and biochemical evidence for EV remodelling in Huntington's disease.

-Philippe Mauduit, ... Georges Uzan*, INSERM UMR-MD-1197, Hopital Paul-Brousse, Villejuif.

Production and use of extracellular vesicles-depleted human platelet lysate to improve large, clinical grade-compatible production of therapeutic human cell-derived extracellular vesicles

-Marie Maumus .. Danièle Noël, IRMB, University Montpellier, Hôpital Lapeyronie, Clinical immunology and osteoarticular diseases Therapeutic Unit, Montpellier, France.

Differential expression of lncRNA in extracellular vesicles from mesenchymal stem cells

-Stephane MAZLAN^{a,b}, ... Xavier LOYER^{a,b}, Chantal M. BOULANGER^{a,b}. ^aPARCC - INSERM U970, ^bParis Descartes University, USPC, UMR-S970, Paris, France.

Extracellular Vesicles in Post-Infarction Diabetic Hearts

-Balasubramaniam Namasivayam¹, Liling Delila², Yu-Wen Wu², Annie Frelet-Barrand¹, Thierry Burnouf², Céline Elie-Caille¹, Wilfrid Boireau¹. ¹FEMTO-ST Institute, UMR6174 CNRS Besançon. ²College of Biomedical Engineering, Taipei Medical University, Taipei, Taiwan.

The Nanobioanalytical Platform, a tuneable tool for a sensitive detection & characterization of extracellular vesicles subsets from biological samples

-Lyne Pillemont¹, Daniel Guneyusu², Celine Elie-Caille², Wilfrid Boireau² and Anne-Marie Gué^{1*}. ¹LAAS-CNRS, Toulouse, ²FEMTO-ST Institute, UMR6174 CNRS Besançon.

TOWARDS ON-CHIP EVs SEPARATION: A LAB ON CHIP APPROACH

@ This newsletter, created to promote spreading of information on EVs, is yours! Do not hesitate to **send any information you wish to see there or any request to admin@fsev.fr**

