



*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 newsletter@fsev.fr***

April 2020

FSEV BOARD NOTE:

Dear all, due to the pandemic many live events, meetings and congresses have been canceled, or postponed. During this particular period, the FSEV board continues to keep in touch with you and as soon as we get new information, they are included in our newsletter. You will see that the ISEV2020 meeting has changed to a virtual meeting in July and also that virtual events on extracellular vesicles are organized regularly.

Do not hesitate to send us announcements of your virtual meetings, conf calls and any events that could be followed by our members.

We hope that you and your family are doing well in this difficult period.

The FSEV board

NEWS FROM FSEV SOCIETY:

@ FSEV winner of a 1000€-travel grant for Junior scientists presenting oral communications at ISEV-2020

Anthony Lefebvre (INSERM U1189 OncoThAI-ImmunoPDT et Immunothérapies des cancers, Institut de Biologie de Lille, France). *Nasopharyngeal Carcinoma Exosomes Modify the Metabolism Status of Human Dendritic Cells and Favour their Recruitment through the CCL20 Chemokine*. Selected by ISEV as featured abstract, congratulations!

FSEV EVENTS:

@ Next meeting of the Grand-Ouest EV network (GO-EV)

29/05/2020 → post-poned 30/11/2020, Journées Scientifiques de l'Université de Nantes, cité des congrès, Nantes. "Grand-Ouest Extracellular Vesicle Network: Innovations for Health". Registration will be free but mandatory (limited to 80 participants). Abstracts for poster and/or oral communications are welcome (deadline **29/09/2020**).

Please visit the website: <https://js.univ-nantes.fr/colloques/grand-ouest-extracellular-vesicle-network-innovations-for-health-2564694.kjsp?RH=1486401620746>

Keynote speakers: Gwennan André-Grégoire (Nantes); Juan Manuel Falcon-Perez (Spain); Estefania Lozano Andres (Netherlands); Jean-Sébastien Silvestre (Paris).

For more information, please contact: laetitia.guevel@univ-nantes.fr

@ Thematic group on EV therapeutics

S. Banzet and A. Silva-Brun have decided to launch a **thematic group to gather the**

French actors interested in EV therapeutics. The goal is to create an active network to share experience and skills in optimisation for clinical grade in EV production.

For FSEV members interested in such an initiative, please contact:

Sébastien Banzet (MD, PhD), UMR-1197, Institut de Recherche Biomédicale des Armées, Clamart (sebastien.banzet@inserm.fr)

Amanda Brun (PharmD, PhD), UMR 7057, Laboratoire Matière et Systèmes Complexes, Paris (amanda.brun@univ-paris-diderot.fr)

ISEV (International Society for EVs) EVENTS:

@ **ISEV Annual Meeting 2020**, initially scheduled in Philadelphia, USA, on 20-24/05/2020. In response to the COVID19 situation across the globe, the ISEV board took the decision to convert the ISEV2020 meeting to a **fully virtual event**, on **20-22/07/2020**.

Please refer to the link below for more information:

<https://www.isev.org/BlankCustom.asp?page=2020COVID19>

Registration (150-300\$ depending status):

<https://www.isev.org/mpage/2020Registration>

@ **ISEV Workshop “Imaging EVs in vivo”**, Paris, IPNP. **19-20/03/2020** → **postponed to 10-11 September 2020**.

Please refer to the link below for more information:

<https://www.isev.org/events/EventDetails.aspx?id=1232987&group=>

Co-organized by FSEV members: Guillaume van Niel (chair, Paris), Frederik Verweij (Paris), Vincent Hyenne (Strasbourg), Xavier Loyer (Paris), Gisela d'Angelo (Paris).

OTHER EV EVENTS:

Virtual events, Conferences and Courses

@ **WebEVTalk:** Program to support networking and to push the science forward in the field of Extracellular Vesicles, by providing regular Webtalks. Organized by Carolina Soekmadji (Australia), with Jan Lötvald (Sweden) and Dolores Di Vizio (USA).

Conferences **every Monday evening** (midnight French time) **and Thursday morning** (9:00 am French time).

Announced a few days before each in the Facebook page:

<https://www.facebook.com/groups/518888602152396/>

Several **recorded conferences** are posted in the **Youtube** channel:

https://www.youtube.com/channel/UCvN_HxVQW8MQRLrDcNfMT6w

@ **Jan Lötvald:** His own **Youtube Channel** with numerous **interviews of experts** to discuss about the Extracellular Vesicle topic with him (Graça Raposo...).

Please refer to: <https://www.youtube.com/user/janlot56/featured> for more information.

@ **ISCT (International Society for Cell Therapy) 2020 Annual meeting**, Paris. **27-30/05/2020** → **Replaced** by a virtual event on **28-29/05/2020**. <http://www.isct2020.com/>

A statement with additional details can be found at the ISCT 2020 website: <http://www.isct2020.com/information-on-covid-19/>

Access and registration: <http://www.isct2020.com/access-and-registration/>

FSEV member invited speakers: Clotilde Théry (Paris).

@ **Netherlands Society for Extracellular Vesicles, NLSEV 2020 Annual meeting**, Amsterdam, Netherlands. **26/10/2020**. www.nlsev.nl 2020@nlsev.nl

FSEV member invited speakers: Clotilde Théry (Paris).

PhD Defenses

@ **Henri CHARRIER**: *Identification d'une signature de 7 microRNAs pour prédire l'insuffisance cardiaque après un infarctus et caractérisation des vésicules extracellulaires cardiaques impliquées dans leur transport.* **31/03/2020** → **rescheduled as a video conference** (Lille).

Thèse dirigée par Florence Pinet (Université de Lille)

JOB OPPORTUNITIES:

@ **Engineer position for 30 months** at the Endosomal dynamic in neuropathies lab, IPNP, Paris (INSERM/Université de Paris).

<https://ipnp.paris5.inserm.fr/research/teams-and-projects/17-equipe-van-niel>, to work on the impact of extracellular vesicles in the brain tumor microenvironment in vivo.

Please send your application before **01/06/2020** including CV, motivation letter and 2 references to Guillaume van Niel (guillaume.van-niel@inserm.fr).

@ **Post-doc position for 2 years** in the team 3 of IRSET UMR INSERM 1085, at the University of Rennes 1, France, under the supervision of Professor Lydie Sparfel and Dr Eric Le Ferrec. To work on the "Impact of polycyclic aromatic hydrocarbons on extracellular vesicles-mediated delivery of microRNAs from human blood circulating cells – study of paracrine effects to endothelial and hepatic cells", **starting 01/09/2020**.

Please email your detailed CV, including a complete list of your publications, a cover letter of motivation explaining your interest for the chosen position, a short statement on career planning, and 2 letters of references to Professor Lydie SPARFEL (lydie.sparfel@univ-rennes1.fr) before **01/06/2020**.

@ **Post-doc position for 2 years** in INSERM U1063 Stress Oxydant et Pathologies Métaboliques, under the supervision of Dr Ramaroson Andriantsitohaina. To work on "Exosomes as innovative nanomedicine approaches to reverse obesity and its metabolic and psychotic complications with specific targeting of the hypothalamus", **starting 01/06/2020**.

Please email your detailed CV, including a complete list of your publications, a cover letter of motivation, a short statement on career planning, and 2 letters of references to Ramaroson Andriantsitohaina (ramaroson.andriantsitohaina@univ-angers.fr).

RECENT publications from the french FSEV community

SEND US YOUR ACCEPTED PAPERS and those presented in BioRxiv

@ Review

-Boyer M, Cayrefourcq L, Dereure O, Meunier L, Becquart O, Alix-Panabières C. Clinical Relevance of Liquid Biopsy in Melanoma and Merkel Cell Carcinoma. *Cancers (Basel)*. 2020 Apr 13;12(4). pii: E960. doi: 10.3390/cancers12040960. Review. PubMed PMID: 32295074.

-Menasché P. Cardiac cell therapy: Current status, challenges and perspectives. *Arch Cardiovasc Dis*. 2020 Apr;113(4):285-292. doi: 10.1016/j.acvd.2020.01.002. Epub 2020 Mar 11. Review. PubMed PMID: 32171698.

@ Technology

-Gagino M, Katsikis G, Olcum S, Virost L, Cochet M, Thuaiere A, Manalis SR, Agache V. Suspended Nanochannel Resonator Arrays with Piezoresistive Sensors for High-Throughput Weighing of Nanoparticles in Solution. *ACS Sens*. 2020 Apr 1. doi: 10.1021/acssensors.0c00394. [Epub ahead of print] PubMed PMID: 32233476.

@ Blood diseases

Garnier Y, Ferdinand S, Garnier M, Cita KC, Hierso R, Claes A, Connes P, Hardy-Dessources MD, Lapoumeroulie C, Lemonne N, Etienne-Julan M, El Nemer W, Romana M. Plasma microparticles of sickle patients during crisis or taking hydroxyurea modify endothelium inflammatory properties. *Blood*. 2020 Apr 13. pii: blood.2020004853. doi: 10.1182/blood.2020004853. [Epub ahead of print] PubMed PMID: 32285120.

@ Brain

-Saint-Pol J, Gosselet F, Duban-Deweere S, Pottiez G, Karamanos Y. Targeting and Crossing the Blood-Brain Barrier with Extracellular Vesicles. *Cells*. 2020 Apr 1;9(4). pii: E851. doi: 10.3390/cells9040851. Review. PubMed PMID: 32244730.

@ Cancer

-Briand J, Garnier D, Nadaradjane A, Clément-Colmou K, Potiron V, Supiot S, Bougras-Cartron G, Frenel JS, Heymann D, Vallette FM, Cartron PF. Radiotherapy-induced overexpression of exosomal miRNA-378a-3p in cancer cells limits natural killer cells cytotoxicity. *Epigenomics*. 2020 Apr 8. doi: 10.2217/epi-2019-0193. [Epub ahead of print] PubMed PMID: 32267172.

@ Joint diseases

-Tessandier N, Melki I, Cloutier N, Allaëys I, Miszta A, Tan S, Milasan A, Michel S, Benmoussa A, Lévesque T, Côté F, McKenzie SE, Gilbert C, Provost P, Brisson AR, Wolberg AS, Fortin PR, Martel C, Boilard É. Platelets Disseminate Extracellular Vesicles in Lymph in Rheumatoid Arthritis. *Arterioscler Thromb Vasc Biol*. 2020 Apr;40(4):929-942. doi: 10.1161/ATVBAHA.119.313698. Epub 2020 Feb 27. PubMed PMID: 32102567.

- Bessueille L, Briolay A, Como J, Mebarek S, Mansouri C, Gleizes M, El Jamal A, Buchet R, Dumontet C, Matera EL, Mornet E, Millan JL, Fonta C, Magne D. Tissue-nonspecific alkaline phosphatase is an anti-inflammatory nucleotidase. *Bone*. 2020 Apr;133:115262. doi: 10.1016/j.bone.2020.115262. Epub 2020 Feb 4. PubMed PMID: 32028019.

@ BioRxiv pre-prints (<https://www.biorxiv.org/>)

-A new model for vertebrate mineralization via stabilized amorphous calcium carbonate for avian eggshell formation. Lilian Stapane, Nathalie Le Roy, Jacky Ezagal, Alejandro B. Rodriguez-Navarro, Valérie Labas, Lucie Combes-Soia, Maxwell T. Hincke, Joël Gautron doi: <https://doi.org/10.1101/2020.04.08.031989>

-LADON, a natural antisense transcript of NODAL, promotes metastasis in melanoma by repressing NDRG1. Dutriaux Annie, Diazi Serena, Caburet Sandrine, Bresesti Chiara, Hardouin Sylvie, Deshayes Frédérique, Collignon Jérôme, Flagiello Domenico doi: <https://doi.org/10.1101/2020.04.09.032375>

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