



*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***

January 2022

Dear FSEVers,

The entire FSEV board wishes you a wonderful year 2023. May this year be filled with acceptance letters from publishers and funders, good moods in the labs and major discoveries for the EV world!

Best wishes,
The FSEV board

NEWS FROM FSEV SOCIETY:

@ FSEV Congress 2023 will be a **Hybrid event**. You are **students, post-docs, or techs/engineers** and you want to participate in the **next FSEV Congress organization**? If you're interested please send your details: contact and science research field, at **calls@fsev.fr**

@ FSEV Congress 2024: Do not hesitate to contact us at **calls@fsev.fr** to submit your application if you would like the **FSEV Congress 2024** to be organized in **your City or if you want to participate in the organization of the meeting**.

@ LinkedIn: also remember to follow us at <https://www.linkedin.com/company/french-society-for-extracellular-vesicles-fsev/?viewAsMember=true>

@ MOVE European Mobility Fellowships 2023

EV societies across Europe has got together to form **MOVE (MObility for Vesicles research in Europe)** and their 1st project is to give early stage scientists the opportunity to work in a different European lab in 2023.

MOVE European Mobility Fellowship aims to foster collaboration between the members of different European EV Societies and Networks. The Fellowship will enable Early Career Researchers (the applicants) to travel to another lab in Europe (the hosts) to develop both their technical skills and enlarge their own professional networks.

The Fellowship is intended for technicians, PhD students and early-stage postdoctoral researchers (≤ 5 years, excluding career breaks). There may be some exceptions. This will be at the discretion of each national society.

FSEV will offer two Fellowships to cover travel and subsistence (but not bench fees) to work within a host lab at an academic institution in a different European country for 1-3 months, to a maximum value of €2000.

Process: <https://www.ukev.org.uk/move-mobility-ev-europe/>

- Look up host labs registered with the project on:

<https://docs.google.com/spreadsheets/d/19y7JppcAJLyTlaV21A5YCpyAfhtivkUh/edit?usp=sharing&oid=106664164426554744978&rtpof=true&sd=true>

Applications are now open to study abroad!

- Contact the host lab directly to discuss your proposed project

- Apply for the placement through the specific forms and process of your society

This is a rolling application and different societies will have different times to apply and rules, so contact them directly from the list below.

@ Workshop FSEV-AFC 2024

Workshop “hands-on” (JFP-Journée de formation Pratique) on **single EV analysis**. 60 participants will have the opportunity to manipulate directly up to 4 various devices among the tens present on site (nanocytometer, single particle tracking, sup-resolution microscopy) to analyze provided referenced samples. The practical session day will be preceded by an afternoon presentation of the state of the art by experts in the field and followed by a morning of analysis of the results.

Event co-organized with AFC (Association Française de Cytométrie) in Paris, **1st quarter 2024**

@ REVE: Réseau Est des Vésicules Extracellulaires (East Extracellular Vesicle Network)

The french eastern network on extracellular vesicles (previously EVN) evolves and turns into the REVE. The network's ambition is to bring together all researchers, engineers, technicians and students interested by EVs in the east of France (Grand Est and Bourgogne Franche-Comté), whatever their field of research. It aims to locally promote collaborations, exchange of methods, equipments and knowledge. An **online meeting** will be organized on **15/03/2023** to meet each other and exchange on our expectations.

If you are located in the east and dream to join the REVE, please see the web page on the Cancéropôle-Est website: <https://www.canceropole-est.org/la-recherche/la-recherche-au-sein-du-canceropole-est/reseau-biopsies-liquides/reseau-est-des#overlay-context=la-recherche/la-recherche-au-sein-du-canceropole-est/reseau-biopsies-liquides>

Board of the REVE: Jessica GOBBO, CGFL, Inserm U1231, Dijon; Céline ELIE-CAILLE, CNRS UMR6174, Institut FEMTO-ST, Besançon; Vincent Hyenne, Inserm U1109, Strasbourg.

ISEV (International Society for EVs) EVENTS:

@ QuantitatEVs: multiscale analyses, from bulk to single vesicle; **31/01/23-03/02/23**

More information at: <https://isev.memberclicks.net/quantitatevs>

@ Venice Winter School, 06-10/02/23

More information at: <http://venice2023.ibf.cnr.it/>

@ **Urinary EVs – uEVs 2nd Virtual Symposium, 15-16/02/23**

More information at: <https://isev.memberclicks.net/urinaryevs>

@ **ISEV2023 Annual Meeting: Save the date! 17-21/05/23**, Seattle, Washington.

Keynote speaker: **Jacky Goetz** (FSEV member; INSERM, CRBS, Strasbourg) "In-vivo Imaging of EVs in Cancer"

Abstract Deadline: 13/01/2023

Early bird registration: 30/03/2023

More information at: <https://isev.memberclicks.net/isev2023>

@ **METVES II – Standardisation of concentration measurements of extracellular vesicles for medical diagnoses**, Workshop **24/11/23**. More information at: https://isev.memberclicks.net/index.php?option=com_jevents&task=icalrepeat.detail&evid=159&Itemid=115&year=2022&month=11&day=24&title=metves-ii-workshop-&uid=625feed43f802b90b76ae309644f1a4a

@ **Extracellular Vesicle Club, virtual**, weekly on **Wednesdays (generally 6pm)**

Organized by **Ken Witwer**, ISEV Chair of Science and Meetings, Johns Hopkins Med U, Bethesda, USA.

You can sign up for the email list to receive the weekly program and link at: <https://www.surveymonkey.com/r/L25KDWB> or subscribe to the YouTube Channel for past events <https://www.youtube.com/c/ExtracellularVesicleClub>

You can also submit suggestions of topics for a future EVClub: <https://www.surveymonkey.com/r/DC5MY9X>

OTHER EV EVENTS:

Practical Course

@ **EMBO Practical Course Extracellular vesicles: from biology to biomedical applications**

This course is intended for PhD students and Postdoctoral researchers who are interested in learning how to work with extracellular vesicles and know more about their biomedical applications.

Organisers: An Hendrix, Esther Nolte-t-Hoen, **Guillaume van Niel** (FSEV president)

Date: **12-17/03/23**; Location: EMBL Heidelberg; Venue: EMBL Advanced Training Centre

More information @

<https://www.embl.org/about/info/course-and-conference-office/events/exo23-01/>

Meeting

@ **Jessica Gobbo** (FSEV board member) "**Clinical interest of exosomes: biomarker and therapeutic target in oncology**", **17/01/23** 2pm, invited by SOAP team (CRCI2NA, Nantes). Zoom meeting ID: 868 3654 4457 - Code: 495828. Link: <https://univ-nantes-fr.zoom.us/j/86836544457?pwd=RGVBRXZPZ1dwR0l3TGhVcUVxeVdZdz09>

@ **The French society of Cell Biology (SBCF)** organizes a day about "**Cell biology of Neurons and Beyond**". **Travis Thomson** will present his recent work about EVs and ARC1 intercellular transfer, **27/01/2023**.

Co-organizer: Guillaume van Niel (FSEV president; INSERM, IPNP, Paris)

@ **Canadian Extracellular Vesicle Symposium (CEVS)**, Virtual **26/01/2023**, organized by the Canadian Society for Extracellular Vesicles (CSEV)

Keynote speaker: **Guillaume van Niel** (FSEV president; INSERM, IPNP, Paris) “CD63 and EVs: harnessing and fundamental role”

Registration Deadline: 25/01/2023@

<https://docs.google.com/forms/d/e/1FAIpQLScveEMLzRCsZqo5KiEaRIGRP-5E-9diY2KejhnepFFTBmR-Xw/viewform>

@ **Extracellular Vesicles: friends and foes II**, Weizmann Institute of Science, Israel, Registration deadline : February 28, 2023; Abstract submission deadline, **January 19, 2023**

Keynote speaker : **Jacky Goetz** (FSEV member; INSERM, CRBS, Strasbourg)

@ **GSEV Annual Meeting 2023** (part of the yearly IGLD 2023)- **23-25/03/2023**- Frankfurt.

Keynote speaker: **Guillaume van Niel** (FSEV president; INSERM, IPNP, Paris) “Basic lessons and therapeutic applications of live imaging of extracellular vesicles in vivo”

@ **10th Go-EV meeting** will take place in Angers, **29/03/2023**: **Save the date!** The meeting shall start with news on EV events and projects in participating labs, followed by scientific presentations.

The second part of the meeting will be dedicated to Nanoparticle Flow Cytometry characterization with the presentation and demonstration of the NanoAnalyser from NanoFCM society.

Please get in touch with us asap if you wish to present a talk or are interested in testing your samples for a NanoAnalyser analysis. The program will be available **soon...**

For any questions, please email : soazig.lelay@inserm.fr

Call for papers

@ **Research Topic “Mesenchymal Stem Cell-Derived Extracellular Vesicles: Considerations and Therapeutic Applications?”**

Our colleague **Émilie Velot** (FSEV board member; UMR 7365 Ingénierie Moléculaire et Physiopathologie Articulaire — IMoPA CNRS-Université de Lorraine, Nancy) is co-editor of this special issue in this **call for papers** to be published in **Frontiers in Cell and Developmental Biology**.

Mesenchymal stem (stromal) cells (MSCs) are the most common cells used in cell therapy trials. These cells act via a myriad of paracrine pathways that mostly involve releasing extracellular vesicles (EVs). The therapeutic potential of MSCs-derived EVs (MSC-EVs) has been shown to be promising for many diseases (autoimmune, brain, cancer, skin, respiratory system, urinary system, vascular system...) and MSC-EVs therapy may replace MSC therapy in the future.

The goal of this Research Topic is to gather new research on the therapeutic applications of MSC-EVs in a variety of diseases, considerations of the use of MSC-EVs as a drug delivery vehicle and address the current challenges associated with large scale production of MSC-EVs. **Abstract Deadline: 24/03/2023**

For more information, please contact: emilie.velot@univ-lorraine.fr

PhD Defense:

@ **Anthony LEFEBVRE** (Faculté des Sciences et Technologies et UFR3S, Université de Lille), "*Impact des exosomes tumoraux de carcinome du nasopharynx sur la maturation des cellules dendritiques humaines: étude phénotypique, fonctionnelle et physiopathologique*". Defense: **15/02/2023** 2pm at Pôle Recherche de la Faculté de Médecine de Lille (Amphi A).

Supervisor: Olivier MORALES; Laboratoire Thérapies Assistées par Lasers et Immunothérapies pour l'Oncologie, INSERM Unité 1189 OncoThAi).

HONORS:

@ "**Paul Mathieu**" 2022 Award from the National Academy of Medicine to Dr **Quentin Sabbagh** (SOAP team, Nantes) for his work on extracellular vesicles in glioblastoma. *Congratulations!*

Virtual events, Conferences and Courses

@ **WebEVTalk**: Program to support networking in the field of Extracellular Vesicles by Carolina Soekmadji (Australia), with Jan Lötvall (Sweden) and Dolores Di Vizio (USA).

If you wish to present your work, you can send an email to Carolina Soekmadji (Carolina.Soekmadji@qimrberghofer.edu.au)

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

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

JOB OPPORTUNITIES:

for more details, please see FSEV website (<https://www.fsev.fr/jobs.html>)

In order to keep the job offers up to date, we ask employers to indicate monthly (before the last week of the current month), whether the offer is still open.

If no update information is provided, the announcement will be deleted from this section.

Thank you for your understanding!

@ **1 PhD position (4y), 2 Post-doc positions (2-3y), and 1 Lab Technician position (4y) in Frederik Verweij lab, Division of Cell Biology, Neurobiology and Biophysics, Dept. of Biology Utrecht.**

Interested in high-end microscopy to study the role of Extracellular Vesicles (EVs) in inter-organ communication in vivo using zebrafish. The lab has several positions available. Within the coming two years (2023/2024) it aims to fill 1 PhD position (4y), 2 PostDoc positions (2-3y), and 1 Lab Technician position (4y) funded by the Dutch Research Council (NWO) and the European Research Council (ERC).

The team is embedded in the highly multidisciplinary and international Division of Cell Biology, Neurobiology & Biophysics. The department hosts a state-of-the-art imaging center and zebrafish facility. Want to join? Please send your CV and motivation letter: <https://www.linkedin.com/jobs/view/3432792669/?refId=J4%2FfigiwrSneQAvQIAvhJ7Q%3D%3D&trackingId=J4%2FfigiwrSneQAvQIAvhJ7Q%3D%3D>

Responsibilities: you will be developing and applying cutting-edge tools to unravel the physiology and pathology of endogenous EVs both in vitro and in transparent zebrafish larvae.

Qualifications: ample expertise in molecular biology and live microscopy. Independent worker with collaborative mindset. Excellent verbal and written communication skills. Possession of an Animal Certificate (equivalent to Dutch Article 9) is a pre.

RECENT publications from the french FSEV community:

SEND US YOUR ACCEPTED PAPERS

@ Commentary

-Dugail I, Le Lay S. Adipocyte-Derived Extracellular Vesicles: Caveolin Matters. *Diabetes*. 2022 Dec 1;71(12):2477-2479. doi: 10.2337/dbi22-0032. PMID: 36409791.

@ Review

-Martin C, Bergamelli M, Malnou CE, D'Angelo G. Placental extracellular vesicles in maternal-fetal communication during pregnancy. *Biochem Soc Trans*. 2022 Dec 16;50(6):1785-1795. doi: 10.1042/BST20220734. PMID: 36484632.

@ Cancer

-Redin E, Garrido-Martin EM, Valencia K, Redrado M, Solorzano JL, Carias R, Echepare M, Exposito F, Serrano D, Ferrer I, Nunez-Buiza A, Garmendia I, García-Pedrero JM, Gurrpide A, Paz-Ares L, Politi K, Montuenga LM, Calvo A. YES1 Is a Druggable Oncogenic Target in SCLC. *J Thorac Oncol*. 2022 Dec;17(12):1387-1403. doi:10.1016/j.jtho.2022.08.002. Epub 2022 Aug 18. PMID: 35988891.

@ Delivery system

-Petit I, Levy A, Estrach S, Féral CC, Trentin AG, Dingli F, Loew D, Qu J, Zhou H, Théry C, Prunier C, Aberdam D, Ferrigno O. Fibroblast growth factor-2 bound to specific dermal fibroblast-derived extracellular vesicles is protected from degradation. *Sci Rep*. 2022 Dec 22;12(1):22131. doi: 10.1038/s41598-022-26217-8. PMID: 36550142.

@ Development

-Hurbain I, Macé AS, Romao M, Prince E, Sengmanivong L, Ruel L, Basto R, Théron PP, Raposo G, D'Angelo G. Microvilli-derived extracellular vesicles carry Hedgehog morphogenic signals for *Drosophila* wing imaginal disc development. *Curr Biol*. 2022 Jan 24;32(2):361-373.e6. doi: 10.1016/j.cub.2021.11.023. Epub 2021 Dec 9. PMID:34890558.

@ Targeting

-Zheng W, He R, Liang X, Roudi S, Bost J, Coly PM, Niel GV, Andaloussi SEL. Cell-specific targeting of extracellular vesicles through engineering the glycocalyx. *J Extracell Vesicles*. 2022 Dec;11(12):e12290. doi: 10.1002/jev2.12290. PMID: 36463392.

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

- Fibroblasts-derived extracellular vesicles contain SFRP1 and mediate pulmonary fibrosis
Olivier Burgy, Christoph H. Mayr, Beatriz Ballester Llobell, Arunima Sengupta, Déborah Schenese, Christina Coughlan, Tanyalak Parimon, Peter Chen, Michael Lindner, Anne Hilgendorff, Matthias Mann, Ali Önder Yildirim, Oliver Eickelberg, Herbert B. Schiller, Mareike Lehmann, Gerald Burgstaller, Melanie Königshoff
doi: <https://doi.org/10.1101/2022.12.22.521499>

- Atheroprone shear stress stimulates noxious endothelial extracellular vesicle uptake by MCAM and PECAM-1 cell adhesion molecules
Pierre-Michaël Coly, Shruti Chatterjee, Fariza Mezine, Christelle El Jekmek, Cécile Devue, Thomas Nipoti, Maribel Lara Corona, Florent Dingli, Damarys Loew, Guillaume van Niel, Chantal M. Boulanger
bioRxiv 2022.12.31.522373; doi: <https://doi.org/10.1101/2022.12.31.522373>

-Detection of tumor-derived extracellular vesicles interactions with immune cells is dependent on EV-labelling methods
Luisa Loconte, Davinia Arguedas, Anna Chipont, Rojbin El, Lea Guyonnet, Coralie Guerin, Ester Piovesana, José Luis Vázquez-Ibar, Alain Joliot, Clotilde Théry, Lorena Martín-Jaular
bioRxiv 2023.01.04.522609; doi: <https://doi.org/10.1101/2023.01.04.522609>

-Blood flow diverts extracellular vesicles from endothelial degradative compartments to promote angiogenesis

B. Mary, N. Asokan, K. Jerabkova-Roda, A. Larnicol, I. Busnelli, T. Stemmelen, A. Pichot, A. Molitor, R. Carapito, O. Lefebvre, J.G. Goetz, V. Hyenne
bioRxiv 2022.12.19.521008; doi: <https://doi.org/10.1101/2022.12.19.521008>

-Proteomic landscape of tunneling nanotubes reveals CD9 and CD81 tetraspanins as key regulators
Roberto Notario Manzano, Thibault Chaze, Eric Rubinstein, Mariette Matondo, Chiara Zurzolo, Christel Brou
bioRxiv 2022.12.21.521537; doi: <https://doi.org/10.1101/2022.12.21.521537>

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