



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](mailto:newsletter@fsev.fr)

May 2024

Dear FSEVers,

FSEV is proud of the strong presence and great recognition of French research at ISEV 2024, which again united the community of EV researchers around high-quality data sharing and inspiring scientific discussions. The novelty and originality of French research on EVs was illustrated across several posters, invited talks, selected talks, sessions and satellite events across topics and disciplines among which:

Lelia Borowski, Université Paris Cité, who was supported by a FSEV travel fellowship to attend ISEV2024 and presented a talk on: "Role of cardiomyocyte-derived extracellular vesicles in post-ischemic cardiac remodeling",

Clotilde Thery, Institut Curie, Paris, chaired a Session on Mechanisms of EVs biogenesis, the GEVN session and a discussion on the creation of a Special Interest Group on EVs in immunology, and gave a talk on EV biogenesis during the education day, and she was interviewed by Andy Hill and David Greening during the fireside chat session,

Graca Raposo has chaired and given the introductory talk of a 2nd session on Mechanisms of EV biogenesis, and she was also interviewed by Andy Hill and David Greening during the fireside chat session,

Marie Morille, Montpellier University, gave a talk on "EV Engineering: What about numbers?" during the Education day,

Vincent Hyenne, INSERM, Strasbourg, gave a presentation on "Biodistribution of Extracellular Vesicles" during the Education day, a talk on "EHD4 cooperates with Ral GTPase to drive multi-vesicular body maturation and exosome secretion", and chaired a session on EV tracking,

Andre Cronemberger Andrade, University Paris Cité, gave a talk on: "Piezo1 activation increases release of therapeutic extracellular vesicles after mechanical stimulation in bioreactors"

Christian Neri, Sorbonne Université, Paris, gave a talk on "EV remodeling in Huntington's disease", and chaired the EVINS (Extracellular Vesicles in Nervous Systems) satellite event and general assembly. EVINS acted the creation of **Working Groups** (WG) including one WG on "EVs and Brain Barriers" proposed and co-facilitated by FSEV Vice-Treasurer Julien Saint-Pol (WG1) and one WG on "EVs and synaptic transmission" proposed and co-facilitated by Christian Neri (WG2); if interested in joining either WG, please contact either julien.saintpol@univ-artois.fr or Christian Neri. Stay tuned at <https://www.isev.org/SIGEVINS!>

Jessica Gobbo (Vice-President), Marie Morille (Treasurer), Vincent Hyenne (Scientific Events) and Christian Neri (President) represented FSEV and together with French leaders and their team members promoted French research and initiatives at the GNEV Session and across the entire meeting.

France is recognized as an EV research leading country. Do not miss **FSEV2024** in November, **Strasbourg**, to follow-up on new developments in EV research in France and other countries in Europe.

Best wishes!
The FSEV board



NEWS:

@ Your news: You've got some piece of news? Please send us what to cover in our next newsletter at admin@fsev.fr

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

@ Message from the **Young Network-FSEV** (YN-FSEV)

"Hello everyone, we are the Young-Network of the FSEV (YN-FSEV)! We focus on connecting early career EVs researchers and are hard-working on new ways to achieve this aim. We are happy to go live with our new **Slack platform**! This platform will enable you to share your questions, thoughts and network with other early career EVs researchers: troubleshooting advice, local initiatives, you are welcome to discuss about any EV-related topics (and probably to share your benchtop frustration sometime after your latest failed 6-hour PCR, who can understand you better than other early career researchers?!).

To join us, you will just have to fill this form (<https://forms.gle/r1Sczeh2mH8UrRso9>) and accept the charter to guarantee a safe and professional space for everyone. All you'll have to do after is click on the link you will receive on your email address. You can see this space as cocktail-chatting during a congress: be friendly, helpful, but also careful about what you will share!

This platform is now open to postdocs, PhD students, master students, technicians and engineers with **no more than 6 years experience**, working on EVs in French labs. For those who don't meet these criteria, don't hesitate to contact the FSEV network. For any question you can reach us at yn.fsev@gmail.com."

@ **FSEV Congress 2024** will be hold on **04-06/11/2024** in Strasbourg. **Save the date for this important national and international event!** **Registrations and abstract submission** are open! Don't wait for the September rush to register, and take advantage of **early bird before July 31!**

@ **Call for papers**, special issue on the biology of EVs in **Biology of the Cell**.

You are invited to contribute to a special issue organized by **Guillaume van Niel** (**FSEV past president**) in **Biology of the Cell**. The topic will be EV biology in the broadest sense (all aspects of cell, molecular and structural biology, developmental biology, cell physiology and evolution). Your contribution can be an original study, a review or a method paper. **Biology of the Cell** has an impact factor of 3.03 and is not a predatory journal. Publication is therefore free of charge unless you choose the gold option for full open access.

Biology of the Cell is a journal published since 1984 by the Société Française de Biologie Cellulaire et Société Française de Microscopies. This means that all profits are donated to the Société Française de Biologie Cellulaire, which offers travel grants to students and sponsors scientific events (such as **FSEV 2024**).

More information about the journal and the topics at the following link <https://onlinelibrary.wiley.com/page/journal/1768322x/homepage/productinformation.html>

We expect 6-8 articles **by the end of 2024**. Depending on the success of this call, an official announcement will be made soon on the website of the journal and in the newsletters. Be the first to show you willing to publish on this exciting topic! You can contact guillaume.van-niel@inserm.fr for more information.

@ **MOVE European Mobility Fellowships 2024**

EV societies across Europe has got together to form **MOVE (MObility for Vesicles research in Europe)** on order to is to give early-stage scientists the opportunity to work in a different European lab in 2024.

The MOVE European Mobility Fellowship aims to foster collaborations between 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 is left to 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&ouid=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.

OTHER EV EVENTS:

News

@ **GO-EV news**: The **Grand Ouest Extracellular Vesicle Network** has a **new coordinator**. Congratulations to our colleague **Mehdi Tazi**! He will be in charge of the communication and promotion of GO-EV for the next 2 years. After a PhD in chemistry from the University of Rennes 1, he developed his communication skills to promote and valorise science.

Virtual events, Conferences and Courses

@ **First High-Content Cytometry Day, 13/06/2024**, Lille. This special event is organized by our partner **AFC** (Association Française de Cytométrie). More information at https://www.alphavisa.com/jtafc/2024/documents/Registration_JT-AFC-HC-2024.html

@ **27th "Cytometry" annual congress, 17-19/12/2024**, Marseille, organized by our partner **AFC**. More information at https://www.alphavisa.com/afc/documents/Prenez-dates-AFC_2024_Marseille.html

It is our great pleasure to announce the registration for the first High-Content Cytometry Day to be held on Thursday June 13th, 2024 in Lille (France) at the Institut Pasteur.

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!

@ Marseille-position for an engineer, coordinating the EV-scientific platform of the Region PACA. We are looking for a motivated candidate to fill the position of engineer responsible for the management of the CEEVEC (Centre d'Expertises et d'Expérimentations sur les Vésicules Extracellulaires en Cancérologie) platform. The engineer will be responsible for the training and supervision of the users of the CEEVEC facility, designing experiments in concert with the scientific staff, conducting experiments as service provider, and coordinating the follow-up of the projects and interaction with the scientific steering committee. The engineer will also manage the CEEVEC financials, including requests for funding and service revenues, develop the platform by identifying "calls for proposals" and coordinating ad hoc responses, manage the equipment, coordinate the user network, and organize training days and scientific meetings.

The ideal candidate should possess excellent organizational and problem-solving skills, be familiar with project management and, have expertise in the 'Extracellular Vesicle'-field. Fluency in both French and English (written and spoken) is a must. If you are passionate about research, education, innovation and coordination, we encourage you to apply for this exciting opportunity to shape the future development of our activities. This engineer position is funded by Canceropôle PACA for up to three years. The successful candidate should start **no later than June 2024**. For more information about this opportunity, you can contact rania.ghossoub@inserm.fr and pascale.zimmermann@inserm.fr.

To apply, please send a motivation letter, your CV, and the contact details of two referees via e-mail to: richard.tomasini@inserm.fr and laurent.gagnoux@unice.fr

@ Financed Doctoral thesis position at HIFIH Lab (Dir : J.Boursier, Université d'Angers) in co-supervision with Institut du Thorax/EV-Link Group (Dir : Soazig Le Lay, Angers), **starting in October 2024**.

PhD project: Role of extracellular vesicles derived from the gut microbiota in the development and severity of Metabolic dysfunction–Associated Liver Disease (MASLD). Applicants are invited to send a CV, including a description of technical skills and their Master1/Master 2 university reports/quote, a complete list of publications if applicable, and 2-3 references (names and contact information), as well as a motivation letter to Jérôme Boursier, JeBoursier@chu-angers.fr

RECENT publications from the french FSEV community:

SEND US YOUR ACCEPTED PAPERS

@ Review

-Arefnezhad R, Helfi M, Okhravijouybari R, Goleij P, Sargolzaeimoghaddam M, Mohammadi H, Mahdaviyan N, Fatemian H, Sarg A, Jahani S, Rezaei-Tazangi F, Nazari A. Umbilical cord mesenchymal

stem cells and lung cancer: We should be hopeful or hopeless? *Tissue Cell*. 2024 May 18;88:102410. doi:10.1016/j.tice.2024.102410. Epub ahead of print. PMID: 38772275.

-Biquand E, Khau S, Papon N, Briard B. Extracellular vesicles: new bullets in the fungal armory. *Trends Microbiol*. 2024 Apr 24:S0966-842X(24)00087-8. doi: 10.1016/j.tim.2024.04.002. Epub ahead of print. PMID: 38664155.

-Cappe B, Vandenabeele P, Riquet FB. A guide to the expanding field of extracellular vesicles and their release in regulated cell death programs. *FEBS J*. 2024 May;291(10):2068-2090. doi: 10.1111/febs.16981. Epub 2023 Nov 2. PMID: 37872002.

-Payet T, Gabinaud E, Landrier JF, Mounien L. Role of micro-RNAs associated with adipose-derived extracellular vesicles in metabolic disorders. *Obes Rev*. 2024 Apr 15:e13755. doi: 10.1111/obr.13755. Epub ahead of print. PMID: 38622087.

-Poinsot V, Pizzinat N, Ong-Meang V. Engineered and Mimicked Extracellular Nanovesicles for Therapeutic Delivery. *Nanomaterials (Basel)*. 2024 Apr 6;14(7):639. doi: 10.3390/nano14070639. PMID:38607173.

@ Heart and Vessels

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-Menasché P, Renault NK, Hagège A, Puscas T, Bellamy V, Humbert C, Le L, Blons H, Granier C, Benhamouda N, Bacher A, Churlaud G, Sabatier B, Larghero J. First-in-man use of a cardiovascular cell-derived secretome in heart failure. Case report. *EBioMedicine*. 2024 May;103:105145. doi:10.1016/j.ebiom.2024.105145. Epub 2024 May 6. PMID: 38713924.

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@ Cancer

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-Jalilvand S, Izadirad M, Vazifeh Shiran N, Gharehbaghian A, Naserian S. The effect of bone marrow mesenchymal stromal cell exosomes on acute myeloid leukemia's biological functions: a focus on the potential role of lncRNAs. *Clin Exp Med*. 2024 May 22;24(1):108. doi: 10.1007/s10238-024-01364-6. PMID: 38777995.

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@ Method

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-Butera E, Dupont A, Aimé A, Ducarre S, Chiechio RM, Even-Hernandez P, Contino A, Maccarone G, Ravel C, Marchi V. *In Situ* Labeling of the Aqueous Compartment of Extracellular Vesicles with Luminescent Gold Nanoclusters. *ACS Appl Mater Interfaces.* 2024 May 1;16(17):21643-21652. doi: 10.1021/acsami.4c02445. Epub 2024 Apr 16. PMID: 38625748.

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@ Stem cells

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