



*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***

March 2024

Dear FSEVer,

Save the dates and join us for the 7th FSEV meeting, Palais des congrès de Strasbourg, Nov. 4th-6th 2024! The Organizing Committee built a **high-profile program** and selected a **great venue** to cover scientific excellence & diversity while enhancing meeting experience! Here are the **highlights**:

The science:

- **Great line-up of national speakers** (see below), and joint sessions with **SFM, SFNano and the Club Exo-Endo**
- **International perspective** with joint-sessions organized with national societies in Europe, this year with **NLSEV (Netherlands)** and **BESEV (Belgium)**
- **Opportunities for short talks**, promotion of the **young researcher community**
- Full session and round table dedicated to **technological developments**

Keynote speakers

C. Alix-Panabières (Montpellier), M. Barberon (Lausanne), L. Eberl (Zurich),
D. Goberdhan (Oxford), E. Nolte-t Hoen (Utrecht), H. Peinado (Madrid),
P. Vader (Utrecht), G. Van Niel (Nantes), P. Zimmermann (Leuven-Marseille)

The meeting experience:

- **Fantastic venue** able to accommodate up to **350-400 attendees**
- **Large space for poster sessions and for machine demos and small talks** with your favorite equipment providers
- **Social event** that will connect you with the local culture

We are greatly looking forward to welcome you in Strasbourg for this important event in exciting times ahead for French research on EVs!

Stay tuned for more information to be provided shortly!

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>

@ **YN-FSEV**: the **Young Network-FSEV** (YN-FSEV) has been recently founded. If you're interested, don't hesitate to contact yn.fsev@gmail.com!

@ **Call for renewal of interest in hosting a MOVE fellow**. EV societies within Europe launched the "**Mobility for Vesicles Research in Europe**" (**MOVE**) fellowships to foster collaborations among members of these Societies.

The fellowship (2,000 €) is intend to cover travel and accommodation expenses for a one-month stay of an Early Career Researcher (ECR; i.e., PhD students or Postdoctoral fellows with less than 5 years of experience in at least one of our Societies) in a country other than that of the Host laboratory.

To facilitate the participation of ECRs, we are members of the EV community to **renew or express** their interest and willingness to host a potential visiting researcher in their lab. Note that **applying does not commit you and your lab to hosting an ECR**; your details will be available to potential ECRs who would then need to contact you and, if you agree, submit an application to visit your lab. FSEV will be offering 2 fellowships this year to selected applicants from the FSEV community.

To remain or become a potential host lab please send **BEFORE APRIL 8th 2024** an email to your National Society – FSEV (calls@fsev.fr) and include:

- Name of PI and affiliation
- Summary of Research Interests (max 100 words)
- Potential techniques/skills that could be taught to a visiting ECR (max 100 words)
- Key publications (max 3)

Please indicate whether you agree to this info being shared publicly (via emails to the Society members, advertisements on Society websites, social media, etc.).

@ **Call for scholarships for young researchers and technical staff members to attend ISEV 2024 Education Day**. The FSEV board will grant selected applicants with a scholarship to [cover for registration fees of the Education day](#).

Applications are now open! Send an email entitled "ISEV Educ Day" to calls@fsev.fr as a single pdf: 1) a short CV including your lab, status, expertise and publications if applicable, 2) 1 paragraph of motivation letter for attending ISEV Education day, mentioning how long you've been working on EV topics.

Deadline for application: **02/04/2024**.

@ Call for ISEV2024 Oral Communication Prize for young researchers. The FSEV board will grant some applicants who have been selected by the ISEV2024 IOC to present their abstracts as oral communication.

Applications are now open! Send an email entitled "ISEV Oral Communication" to calls@fsev.fr as a single pdf: 1) a short CV including your lab, status, communications at previous meetings and publications if applicable, 2) abstract submitted to ISEV2024, 3) ISEV notification of oral presentation selection, 4) ISEV2024 registration.

Deadline for application: **02/04/2024**.

@ FSEV Congress 2024 will be hold on **04-06/11/2024** in Strasbourg. **Save the date for this important event!** Registration will start on **01/04/2024**

@ SFBTM 3rd Apérozoom on "**Emergence of extracellular vesicles in mineralized tissue research**". This free virtual session of the French Society for Mineralized Tissue Biology (SFBTM, <https://sfbtm.fr/>) **co-organized with FSEV**. The guests will illustrate their point a few minutes before answering all your questions in a 2-part session.

Save the date for this **joint event** on **27/03/2024** at **17:00-18:30!**

Part1: Updates with EV guidelines with FSEV members [Steffi Bösch](#) (INRAe, Oniris, Nantes; [FSEV past treasurer](#)), Juliette Peltzer (RBA/CTSA, Hôpital Percy, Clamart, [FSEV member](#)) and [Émilie Velot](#) (Université de Lorraine, CNRS, UMR7365, IMoPA, Nancy, [FSEV newsletter editor](#))

Part2: Interest of EVs for research on mineralization with Angélique Galvani - Nantes University, Inserm, UMR1229 RmeS; SFBTM member), Valérie Geoffroy (Nantes Université, Inserm, UMR1229 RMeS; SFBTM member) and [Arnaud Bianchi](#) (Université de Lorraine, CNRS, UMR7365, IMoPA, Nancy; SFBTM member and [FSEV member](#))

Please register here: https://univ-nantes-fr.zoom.us/meeting/register/tZ0lc--uqzgtHNxhucA8pWX_y9BKk7UPc7k3

After registering, a confirmation email will be sent with instructions for joining the meeting.

@ 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.

ISEV (International Society for EVs) EVENTS:

@ ISEV2024 Annual Meeting: **Save the date! 08-12/05/24**, Melbourne, Australia (Education day: 08/05/24 and Annual meeting: 09-12/05/24).

The Special Interest Group **EVs in Nervous Systems - EViNS** (Chair: Christian Neri, [FSEV president](#)) will have a satellite meeting on initiatives and plans over the next 2 years.

FSEV represented by Christian Neri will participate to the Global Network EV session.

Visit the ISEV2024 website for updates <https://www.isev.org/isev2024>

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

@ Club Exo-Endo. The 26th meeting of the Club Exo-Endo will take place on **04-06/04/2024** in Sète. It will cover endocytosis and exocytosis in various fields including infectiology, cancer, neurobiology and cell biology. A session will be dedicated to extracellular vesicles and feature Esther Nolte-t Hoen (Utrecht University, NL) as a keynote speaker. For more informations about the club and registration, check :

<https://www.exoendo.org/>

<https://www.exoendo.org/edition-2024.html>

@ Webinar “The interesting world of lipids and lipidomics” with Dr Minna Holopainen (Helsinki Institute of Life Science) on **09/04/2024**

Minna Holopainen received her Doctoral degree in Physiology and Neuroscience from University of Helsinki, Finland in 2020. She conducted her research at Finnish Red Cross Blood Service with a topic related to immunomodulation of mesenchymal stromal cells, their extracellular vesicles and their lipidomics. In 2018, she also started working at Helsinki University Lipidomics Unit (HiLIPID) that helped her to expand her knowledge on the diversity of lipids in different cells, tissues and species. Currently, she is a postdoctoral researcher at HiLIPID and runs the lipidomics core facility services and method development.

<https://univ-nantes->

fr.zoom.us/j/85190194263?pwd=K3c1VTNoUVpkOVhmQzErYitaRGdSZz09

ID : 851 9019 4263, Login: 349534

@ 3rd REVE Meeting “Cell dust for clinical use”: The Réseau Est des Vésicules Extracellulaires (East Extracellular Vesicle Network) will meet for the 3rd time on **10/04/2024** in Dijon. Two keynote speakers, Sebastien Banzet (former FSEV board member, Institut de Recherche Biomédicale des Armées, Paris) and Philippe Menasché (Hôpital Européen George Pompidou, Paris) will present their work on EVs in therapy. To attend the meeting, register here: <https://framaforms.org/congres-reve-du-10-avril-2024-application-clinique-des-vesicules-extracellulaires-1709291822>

If you are located in the East and dream to join the REVE

Please see the web page on the Cancéropôle-Est website for more informations:

<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>

@ 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!

@ Research scientist permanent position in microbiology, INRAE, STLO, Rennes, France. Your project will consist in studying bacterial intercellular communication (bacteria-bacteria and bacteria-eukaryotic cells) with the aim of determining the mediators of intercellular communication (surface compounds, metabolites, extracellular vesicles), identifying the signaling pathways involved and characterizing the mechanisms that govern communication and intra- and inter-species interactions. To do so, you will develop work on the role of extracellular vesicles produced by *Propionibacterium freudenreichii*, a bacterium of technological interest with probiotic properties, in intra- and inter-species communication. This work will be carried out as part of the team's research into the rational construction and management of bacterial communities for targeted functionalities. If interested, please visit the website <https://jobs.inrae.fr/concours/concours-charges-recherche-classe-normale-profil-h-f/cr-2024-mica-3> and contact Éric Guédon at eric.guedon@inrae.fr

@ Post-doctoral position in cellular microbiology (26 months), INRAE, STLO, Rennes, France. The recruited person will study the health-promoting properties (immunomodulation, anti-inflammation, neuromodulation, epithelial barrier maintenance, ...) of EVs secreted by the probiotic *Propionibacterium freudenreichii*, and their molecular mechanisms of action on the host. The post-doc fellow which is funded in the frame of the PEPR program Biotherapies and Bioproduction of Innovative Therapies (BBIT) will evolve in a highly recognized consortium of multidisciplinary labs. If interested, please contact Éric Guédon at eric.guedon@inrae.fr

@ Ingénieur(e) d'application H/F chez Excilone, société française active dans le domaine de la pathologie digitale et la nanogénomique dont le siège social est basé à Elancourt, dans les Yvelines, qui dispose d'un laboratoire sur le site de l'INRAE (Université Paris Saclay à Jouy en Josas).

Dans le cadre de notre développement, nous avons élargi notre gamme de produits en France aux équipements d'analyse de nanoparticules, système NTA ZetaView, de notre partenaire Particle Metrix (Allemagne).

Description du poste: rassembler et évaluer les besoins clients, en collaboration étroite avec les ventes; réaliser des présentations et des démonstrations chez les clients; réaliser les installations chez les clients et les formations; assurer le support applicatif, voire technique en association avec notre département SAV, chez les clients; réaliser des essais de protocoles; conseiller et orienter les utilisateurs pour l'élaboration de protocoles; participer aux salons professionnels et aux workshops; assurer une collaboration étroite avec notre partenaire pour les aspects applicatifs.

Qualifications : spécialisation en Biologie avec idéalement une connaissance sur les nanoparticules (e.g. vésicules extracellulaires et exosomes, etc.); bonne compréhension

des principes de base en optique; adaptabilité aux nouvelles technologies et curiosité pour celles-ci; compétence en gestion de projet et capacité à gérer les priorités; maîtrise de l'Anglais; autonomie, initiatives et dynamisme; compétences organisationnelles et bonne communication.

Voyages réguliers en France et occasionnellement en Allemagne et à l'étranger (20%-30% du temps). Disponibilité de poste : ASAP. Contrat : CDI, statut cadre.

Candidature à rh@excilone.com

RECENT publications from the french FSEV community:

SEND US YOUR ACCEPTED PAPERS

@ Editorial

-Shekari F, Meyfour A, Davies OG, Velot É. Mesenchymal stem cell-derived extracellular vesicles: considerations and therapeutic applications. *Front Cell Dev Biol.* 2024 Feb 23;12:1377197. doi:10.3389/fcell.2024.1377197. PMID: 38465287.

@ Review

-Marchal S, Andriantsitohaina R, Martinez MC. Biotherapeutic approaches against cardio-metabolic dysfunctions based on extracellular vesicles. *Biochim Biophys Acta Mol Basis Dis.* 2024 Feb 28:167095. doi: 10.1016/j.bbadis.2024.167095. Epub ahead of print. PMID: 38428684.

doi:10.3389/fcell.2024.1377197. PMID: 38465287.

@ Biomarker

-Dorado E, Doria ML, Nagelkerke A, McKenzie JS, Maneta-Stavarakaki S, Whittaker TE, Nicholson JK, Coombes RC, Stevens MM, Takats Z. Extracellular vesicles as a promising source of lipid biomarkers for breast cancer detection in blood plasma. *J Extracell Vesicles.* 2024 Mar;13(3):e12419. doi: 10.1002/jev2.12419. PMID: 38443328.

-Magliacane Trotta S, Adinolfi A, D'Orsi L, Panico S, Mercadante G, Mehlen P, Ambati J, De Falco S, Tarallo V. Cancer-derived exosomal Alu RNA promotes colorectal cancer progression. *Exp Mol Med.* 2024 Mar 14. doi: 10.1038/s12276-024-01166-6. Epub ahead of print. PMID: 38486106.

@ Cancer

-Santi A, Kay EJ, Neilson LJ, McGarry L, Lilla S, Mullin M, Paul NR, Fercoq F, Koulouras G, Rodriguez Blanco G, Athineos D, Mason S, Hughes M, Thomson G, Kieffer Y, Nixon C, Blyth K, Mehta-Grigoriou F, Carlin LM, Zanivan S. Cancer-associated fibroblasts produce matrix-bound vesicles that influence endothelial cell function. *Sci Signal.* 2024 Mar 12;17(827):eade0580. doi: 10.1126/scisignal.ade0580. Epub 2024 Mar 12. PMID: 38470957.

-Vyhřídálová Kotrbová A, Gömöryová K, Mikulová A, Plešingerová H, Sladeček S, Kravec M, Hrachovinová Š, Potěšil D, Dunsmore G, Blériot C, Bied M, Kotouček J, Bednaříková M, Hausnerová J, Minář L, Crha I, Felsinger M, Zdráhal Z, Ginhoux F, Weinberger V, Bryja V, Pospíchalová V. Proteomic analysis of ascitic extracellular vesicles describes tumour microenvironment and predicts patient survival in ovarian cancer. *J Extracell Vesicles.* 2024 Mar;13(3):e12420. doi: 10.1002/jev2.12420. PMID: 38490958.

@ Immunology

-Neyrinck-Leglantier D, Tamagne M, Ben Rayana R, Many S, Vingert P, LeGagneux J, Delorme AS, Andrieu M, Boilard E, Cognasse F, Hamzeh-Cognasse H, Perez-Patrigéon S, Lelievre JD, Pirenne F, Gallien S, Vingert B. Immunoregulatory molecule expression on extracellular microvesicles in people living with HIV. *Front Immunol.* 2024 Mar 4;15:1354065. doi: 10.3389/fimmu.2024.1354065. PMID: 38500878.

@ Method

-Alexandre L, Shen ML, de Araujo LOF, Renault J, DeCorwin-Martin P, Martel R, Ng A, Juncker D. Effect of Sample Preprocessing and Size-Based Extraction Methods on the Physical and Molecular Profiles of Extracellular Vesicles. ACS Sens. 2024 Mar 22;9(3):1239-1251. doi: 10.1021/acssensors.3c02070. Epub 2024 Mar 4. PMID: 38436286.

-Jensen MN, Guerreiro EM, Enciso-Martinez A, Kruglik SG, Otto C, Snir O, Ricaud B, Hellesø OG. Identification of extracellular vesicles from their Raman spectra via self-supervised learning. Sci Rep. 2024 Mar 21;14(1):6791. doi: 10.1038/s41598-024-56788-7. PMID: 38514697.

-Metatla I, Roger K, Chhuon C, Ceccacci S, Chapelle M, Pierre-Olivier Schmit, Demichev V, Guerrera IC. Neat plasma proteomics: getting the best out of the worst. Clin Proteomics. 2024 Mar 12;21(1):22. doi: 10.1186/s12014-024-09477-6. PMID: 38475715.

-Thi Thanh Yen Nguyen, W Harchaoui, L Megret, C Mendoza, O Bouaziz, C Neri and A Chambaz. Optimal transport-based machine learning to match specific patterns: application to the detection of molecular regulation patterns in omics data. Journal of the Royal Statistical Society Series C Applied Statistics 2024. Epub ahead of print. <https://doi.org/10.1093/jrssc/qlae005>

-Zirak B, Naghipourfar M, Saberi A, Pouyababar D, Zarezadeh A, Luo L, Fish L, Huh D, Navickas A, Sharifi-Zarchi A, Goodarzi H. Revealing the grammar of small RNA secretion using interpretable machine learning. Cell Genom. 2024 Mar 2:100522. doi: 10.1016/j.xgen.2024.100522. Epub ahead of print. PMID:38460515.

@ Reproduction

-Daudon M, Ramé C, Price CA, Dupont J. Exosomal or follicular FNDC3A decreases FOLR1 mRNA abundance, and progesterone and lactate synthesis in bovine granulosa cells. Reproduction. 2024 Mar 1:REP-23-0451. doi: 10.1530/REP-23-0451. Epub ahead of print. PMID: 38513348.

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**

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