



*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 2024

Dear FSEVers,

We wish you all a **HAPPY NEW YEAR** and we greatly look forward to working with all FSEV members and on expanding our society nationwide and globally!

We aim to promoting further French research on EVs, to unite researchers and scientific societies with a shared interest in EVs across disciplines and across companion countries, to promote our young researchers network, and to communicate with key stakeholders in the fields of science, education, technology, and information.

Your suggestions are essential on how FSEV can be even more helpful and supportive, so do not hesitate to reach out.

The 2024 meeting of FSEV held in Strasbourg is going to be an exciting event along these lines: join us to share, learn and network! and stay tuned for more updates!

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>

@ 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 to 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!**

@ 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) and held at FIAP Jean Monnet in Paris (France), **07-09/02/2024**

Organizing Committee: **Guillaume van Niel** (FSEV past President), **Coralie Guerin** (Curie Institute), **Catherine Blanc** (AFC President), **Lorena Martin Jaular** (Curie Institute), **Rania Ghossoub** (FSEV Secretary), **Fatima Lfaqihi** (AFC board), **Florent Raffin** (AFC Board).

More information at <https://www.alphavisa.com/afc-fsev/2024/index.php>

@ 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. So the publication is 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 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&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.

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

@ **Upcoming ISEV activities open to ISEV members:**

-Release of the **MISEV2014**

@ **ISEV Large Extracellular Workshop**: ISEV invites experts or enthusiasts on large EVs (L-EVs; also called microvesicles, microparticles, oncosomes, migrasomes, apoptotic bodies and many other names) to join this workshop that will be held at The Blackwell Inn and Conference Center, Columbus, Ohio (USA), **04-05/03/24**.

More information at <https://www.isev.org/large-evs-2024>

Registration is free, but only ISEV members can participate. To apply, complete the following application form <https://www.surveymonkey.com/r/C7GWNRL> by **09/01/24**, 11:59 PM EST.

@ 1st ISEV Genitourinary Systems Extracellular Vesicles (GUSEV) Education Day: 16/02/2024, 2pm CET (Europe)

This activity is hosted by the newly formed ISEV GUSEV Special Interest Group (SIG), which has evolved naturally from the activities of the ISEV Rigor and Standardization Urine Task Force. While the task force continues to advance reproducibility in urinary EV research, the focus of GUSEV activities is on education, cross disciplinary and cross-society collaboration, and professional networking beyond the scope of rigor and standardization.

Registration is free. Register at <https://isev.memberclicks.net/gusevedday#!/>

GUSEV welcomes new members with a diverse basic and translational research background in various disciplines including but not limited to the fields of Nephrology, Urology, Gynecology, Andrology, transplantation biology, cancer research, etc. If you are interested in EVs and genitourinary systems research visit GUSEV website for more information at <https://isev.memberclicks.net/SIGGUSEV>

OTHER EV EVENTS:

Virtual events, Conferences and Courses

@ Formation Continue " Vésicules extracellulaires (VE) : isolement, caractérisation et utilisation", Lyon, France, 11-15/03/24.

Approche théorique et pratique sur les échantillons des participants au sein de l'European School for the Study of Extracellular Vesicles (ESSEV).

For more information, please contact: pascal.colosetti@inserm.fr

@ Club Exo-Endo. The 26th meeting of the Club Exo-Endo will take place on April 4th-6th in Sète. It will cover endocytosis and exocytosis in various fields including infectiology, cancer, neurobiology or 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>

@Cancéropôle GSO, Workshop "Precision Nanomedicine", 04-05/03/2024 in Bordeaux. Sessions: Extracellular vesicles and exosomes for cancer therapy & diagnosis, Therapeutic targeting, Drug delivery, etc.

https://www.canceropole-gso.org/?p=calendrier&id=2191&mod=evenement_consulter

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

@ Research engineer position opened by the French "Laboratoire d'Excellence" LipSTIC (Lipoprotéines et Santé: prévention et traitement des maladies inflammatoires et du cancer, also see <http://www.labex-lipstic.fr>). He/she will carry out a translational research activity within the "HSP-pathies" (Dr C Garrido, DRE, under the supervision of J. Gobbo) team of the INSERM 1231 and the anti-cancer center Georges-François Leclerc (CGFL), Dijon.

We are looking for a motivated candidate to fill the position of engineer responsible for the management of project with a focus on tumor-derived extracellular vesicles (EVs) and biomarker discovery. The successful candidate must perform experiments for purification and molecular characterization of EVs and their subpopulations from cell lines and human clinical samples.

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.

To apply, please send a motivation letter and your CV before **29/02/2024** to : jgobbo@cgfl.fr/cgarrido@u-bourgogne.fr

@ Postdoctoral position in the Radiobiology for Targeted and Personalized Radiotherapy Team

Research topic: Tumor-derived DNA plays an important role in the initiation of anti-tumor immune responses. The project will aim to further delineate DNASE1L3 function in the activation of anti-tumor immunity in response to radiotherapy and EVs vaccination.

Successful candidates will be highly motivated individuals with a PhD in cell biology, immunology, molecular biology or a related discipline, together with substantial experience in at least one of the following areas: Cancer biology, Radiobiology, Extracellular vesicles, Animal handling/mouse genetics.

Key dates: Applications should be completed before **05/03/24**. The position is available from **05/04/24**.

To apply, please send an email explaining your background and interests, curriculum vitae, and contact information of three references to julie.constanzo@inserm.fr

@ Research engineer (IE) position in Institut Charles Gerhardt Montpellier (ICGM, Marie Morille group) starting in April 2024 (43 months).

We are looking for a highly motivated engineer trained to Bioprocesses/Biotherapy to work on EV isolation and characterization. He/she will provide support for ICGM's research into the production of extracellular vesicles and their pharmaceutical modification for pulmonary administration by nebulization.

She/he will work as part of an ANR consortium (EVADE, 2024-2028) aimed at producing, characterizing and nebulizing Extracellular Vesicles (EVs) for a therapeutic application focused on cystic fibrosis. The candidate should be skilled in the various cell/molecular biology techniques needed to produce and characterize (nano)biotherapeutic products (cell culture, purification techniques, flow cytometry, microscopy, nanoparticle analysis). Expertise in EV handling and characterization will of course be appreciated.

If you're interested, please apply before February 15 by sending a curriculum vitae and a cover letter to Marie Morille (marie.morille@umontpellier.fr) and Anne Aubert (anne.aubert-pouessel@umontpellier.fr).

RECENT publications from the french FSEV community:

SEND US YOUR ACCEPTED PAPERS

@ Review

-Chang H, Chen E, Hu Y, Wu L, Deng L, Ye-Lehmann S, Mao X, Zhu T, Liu J, Chen C. Extracellular Vesicles: The Invisible Heroes and Villains of COVID-19 Central Neuropathology. *Adv Sci (Weinh)*. 2023 Dec 24:e2305554. doi: 10.1002/advs.202305554. Epub ahead of print. PMID: 38143270.

-Mebarek S, Buchet R, Pikula S, Strzelecka-Kiliszek A, Brizuela L, Corti G, Collacchi F, Anghieri G, Magrini A, Ciancaglini P, Millan JL, Davies O, Bottini M. Do Media Extracellular Vesicles and Extracellular Vesicles Bound to the Extracellular Matrix Represent Distinct Types of Vesicles? *Biomolecules*. 2023 Dec 28;14(1):42. doi: 10.3390/biom14010042. PMID: 38254642.

-Menaceur C, Dusailly O, Gosselet F, Fenart L, Saint-Pol J. Vesicular Trafficking, a Mechanism Controlled by Cascade Activation of Rab Proteins: Focus on Rab27. *Biology (Basel)*. 2023 Dec 15;12(12):1530. doi:10.3390/biology12121530. PMID: 38132356.

-Robert M, Scherlinger M. Platelets are a major player and represent a therapeutic opportunity in systemic lupus erythematosus. *Joint Bone Spine*. 2024 Jan;91(1):105622. doi: 10.1016/j.jbspin.2023.105622. Epub 2023 Jul 24. PMID: 37495075.

-Rome S, Tacconi S. High-fat diets: You are what you eat...your extracellular vesicles too! *J Extracell Vesicles*. 2024 Jan;13(1):e12382. doi: 10.1002/jev2.12382. PMID: 38151475.

-Witz A, Dardare J, Betz M, Gilson P, Merlin JL, Harlé A. Tumor-derived cell-free DNA and circulating tumor cells: partners or rivals in metastasis formation? *Clin Exp Med*. 2024 Jan 17;24(1):2. doi: 10.1007/s10238-023-01278-9. PMID: 38231464.

@ Opinion

-Velot É, Balmayor ER, Bertoni L, Chubinskaya S, Cicuttini F, de Girolamo L, Demoor M, Grigolo B, Jones E, Kon E, Lisignoli G, Murphy M, Noël D, Vinatier C, van Osch GJVM, Cucchiari M. Women's contribution to stem cell research for osteoarthritis: an opinion paper. *Front Cell Dev Biol*. 2023 Dec 19;11:1209047. doi: 10.3389/fcell.2023.1209047. PMID: 38174070.

@ Chapter

-de Medina P, Ayadi S, Diallo K, Buñay J, Pucheu L, Soulès R, Record M, Brillouet S, Vija L, Courbon F, Silvente-Poirot S, Poirot M. The Cholesterol-5,6-Epoxyde Hydrolase: A Metabolic Checkpoint in Several Diseases. *Adv Exp Med Biol*. 2024;1440:149-161. doi: 10.1007/978-3-031-43883-7_8. PMID: 38036879.

@ Operational framework

-Lucena MI, Villanueva-Paz M, Alvarez-Alvarez I, Aithal GP, Björnsson ES, Cakan-Akdogan G, Cubero FJ, Esteves F, Falcon-Perez JM, Fromenty B, Garcia-Ruiz C, Grove JI, Konu O, Kranendonk M, Kullak-Ublick GA, Miranda JP, Remesal-Doblado A, Sancho-Bru P, Nelson L, Andrade RJ, Daly AK, Fernandez-Checa JC. Roadmap to DILI research in Europe. A proposal from COST action ProEuroDILINet. *Pharmacol Res*. 2023 Dec 28;200:107046. doi: 10.1016/j.phrs.2023.107046. Epub ahead of print. PMID: 38159783.

@ News & views

-Raposo G, Stahl PD. Extracellular vesicles, genetic programmers. *Nat Cell Biol*. 2024 Jan;26(1):22-23. doi: 10.1038/s41556-023-01277-8. PMID: 38228825.

@ Biomarker

-Turkieh A, Beseme O, Saura O, Charrier H, Michel JB, Amouyel P, Thum T, Bauters C, Pinet F. LIPCAR levels in plasma-derived extracellular vesicles is associated with left ventricle remodeling post-myocardial infarction. *J Transl Med*. 2024 Jan 6;22(1):31. doi: 10.1186/s12967-023-04820-1. PMID:38184604.

@ Calcification

-Turner ME, Beck L, Hill Gallant KM, Chen Y, Moe OW, Kuro-O M, Moe S, Aikawa E. Phosphate in Cardiovascular Disease: From New Insights Into Molecular Mechanisms to Clinical Implications. *Arterioscler Thromb Vasc Biol*. 2024 Jan 11. doi: 10.1161/ATVBAHA.123.319198. Epub ahead of print. PMID: 38205639

@ Method

-Blache A, Achouak W. Extraction and Purification of Outer Membrane Vesicles and Their Associated RNAs. *Methods Mol Biol*. 2024;2741:11-24. doi: 10.1007/978-1-0716-3565-0_2. PMID: 38217646.

-Deumer J, Schürmann R, Gaál A, Varga Z, Bettin B, van der Pol E, Nieuwland R, Ojeda D, Sikora A, Bartczak D, Goenaga-Infante H, Noireaux J, Khakpour M, Korpelainen V, Gollwitzer C. Traceable characterization of hollow organosilica beads as potential reference materials for extracellular vesicle measurements with optical techniques. *Discov Nano*. 2024 Jan 22;19(1):14. doi:10.1186/s11671-024-03956-3. PMID: 38252361.

-Guerreiro EM, Kruglik SG, Swamy S, Latysheva N, Østerud B, Guigner JM, Sureau F, Bonneau S, Kuzmin AN, Prasad PN, Hansen JB, Hellesø OG, Snir O. Extracellular vesicles from activated platelets possess a phospholipid-rich biomolecular profile and enhance prothrombinase activity. *J Thromb Haemost*. 2024 Jan 22:S1538-7836(24)00041-2. doi: 10.1016/j.jtha.2024.01.004. Epub ahead of print. PMID: 38266680.

@ Microbiology

-Malek A, Ahmadi Badi S, Karimi G, Bizouarn T, Irian S, Siadat SD. The effect of *Bacteroides fragilis* and its postbiotics on the expression of genes involved in the endocannabinoid system and intestinal epithelial integrity in Caco-2 cells. *J Diabetes Metab Disord*. 2023 Aug 1;22(2):1417-1424. doi:10.1007/s40200-023-01264-8. PMID: 37975078.

@ Stem cell

-Cavallero S, Dekali S, Guitard N, Théry H, Héllissey C, François S. Effects of preconditioning with TNF α and IFN γ in angiogenic potential of mesenchymal stromal cell-derived extracellular vesicles. *Front Cell Dev Biol*. 2023 Dec 21;11:1291016. doi: 10.3389/fcell.2023.1291016. PMID: 38178868.

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

-Jérémy Boulestreau, Laurence Molina, Alimata Ouedraogo, Louën Laramy, Ines Grich, Thi Nhu Ngoc Van, Franck Molina, Malik Kahli. Salivary extracellular vesicles isolation methods impact the robustness of downstream biomarkers detection.
doi: <https://doi.org/10.1101/2024.01.23.576809>

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