



*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***

February 2024

Dear FSEVers,

For our 50th newsletter, we are very proud to introduce the **Young Network-FSEV/YN-FSEV** initiated by highly motivated young researchers ready to rock and share the EV field with you (please see the picture below^^).

We are also delighted to announce the long-awaited publication of the **Minimal information for studies of extracellular vesicles/MISEV**, drafted in 2022, updated in **2023**, and published in... **2024!** Many French researchers contributed to MISEV feedback and were part of the MISEV consortium. Let's thank our community for this huge work!

Congratulations to the YN-FSEV for their interest in EV research and to the MISEV2023 contributors for promoting our field!

Best wishes!
The FSEV board

Welcome to the Young Network-FSEV (YN-FSEV) board members



Charlène Martin
3rd year PhD
Infinity, Toulouse



Antonin Marquant
3rd year PhD
ICGM, Montpellier



Anaïs Bécot
Post Doc
IPNP, Paris



Océane Dusailly
2nd year PhD
LBHE, Lens



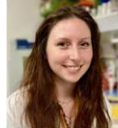
Clément BERTHY
1st year PhD
CRSA, Paris



Natayme Rocha Tartaglia
Post Doc
Institut Curie, Paris



Adiiilah Mamode Cassim
Post Doc
CTM, Dijon



Louise Merle
2nd year PhD
Institut Curie, Paris



Martial Caillaud
Post Doc
Inserm U1235, Nantes



Camille Chauvin
1st year PhD
IRSET, Rennes



Sébastien Charles
4th year PhD
Sainbiose, Saint-Étienne



Marie Huber
2nd year PhD
CRCM, Marseille

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: FSEV is pleased to announce the creation of the **Young Network-FSEV** (YN-FSEV). Please find hereafter the message of these vibrant young researchers!

“Hi everyone! Here is the newest section of the FSEV: the Young Network FSEV. We are for now composed of 12 people, representing all grades of early career researchers, from 1st year PhD students to senior postdocs. Our primary goal is to establish a **network of young researchers within the FSEV**, starting with the creation of a **Slack** collaborative platform that will soon be opened. We will also offer you **webinars** throughout the year (starting soon), and we will have the responsibility of the organization of the **online version of the annual FSEV meeting** every two years. Actions around early-career researchers will also be led by our group on the annual FSEV congress. If you're interested to join us, don't hesitate to contact us by mail (yn.fsev@gmail.com) and stay tuned to hear from us!”

@ 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!**

@ 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](#)) 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. 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>

@ **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>

@ **Workshop on extracellular vesicles separation and characterization** where renowned experts, such as [Guillaume Van Niel \(FSEV past president\)](#), will disill cutting-edge insights, offering a unique opportunity to deepen your understanding of this dynamic field, **11-15/03/24**, University of Virginia. More information at

https://www.isev.org/index.php?option=com_jevents&task=icalrepeat.detail&evid=255&Itemid=196&year=2024&month=03&day=11&title=workshop-on-extracellular-vesicles-separation-and-characterization&uid=f7173cdb352b8407a5eddafa4d469be8

OTHER EV EVENTS:

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 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>

@ 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

@ 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

@ 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

RECENT publications from the french FSEV community:

SEND US YOUR ACCEPTED PAPERS

@ MISEV

-Welsh JA, Goberdhan DC, O'Driscoll L, Théry C, Witwer KW. MISEV2023: An updated guide to EV research and applications. *J Extracell Vesicles*. 2024 Feb;13(2):e12416. doi: 10.1002/jev2.12416. PMID:38400602.

-Welsh JA, Goberdhan DCI, O'Driscoll L, Buzas EI, Blenkiron C, Bussolati B, Cai H, Di Vizio D, Driedonks TAP, Erdbrügger U, Falcon-Perez JM, Fu QL, Hill AF, Lenassi M, Lim SK, Mahoney MG, Mohanty S, Möller A, Nieuwland R, Ochiya T, Sahoo S, Torrecilhas AC, Zheng L, Zijlstra A, Abuelreich S, Bagabas R, Bergese P, Bridges EM, Brucale M, Burger D, Carney RP, Cocucci E, Crescitelli R, Hanser E, Harris AL, Haughey NJ, Hendrix A, Ivanov AR, Jovanovic-Talisman T, Kruh-Garcia NA, Ku'ulei-Lyn Faustino V, Kyburz D, Lässer C, Lennon KM, Lötvall J, Maddox AL, Martens-Uzunova ES, Mizenko RR, Newman LA, Ridolfi A, Rohde E, Rojalin T, Rowland A, Saftics A, Sandau US, Saugstad JA, Shekari F, Swift S, Ter-Ovanesyan D, Tosar JP, Useckaite Z, Valle F, Varga Z, van der Pol E, van Herwijnen MJC, Wauben MHM, Wehman AM, Williams S, Zendrini A, Zimmerman AJ; MISEV Consortium; Théry C, Witwer KW. Minimal information for studies of extracellular vesicles (MISEV2023): From basic to advanced approaches. *J Extracell Vesicles*. 2024 Feb;13(2):e12404. doi: 10.1002/jev2.12404. PMID: 38326288.

@ Review

-Wong C, Stoilova I, Gazeau F, Herbeuval JP, Fourniols T. Mesenchymal stromal cell derived extracellular vesicles as a therapeutic tool: immune regulation, MSC priming, and applications to SLE. *Front Immunol*. 2024 Feb 8;15:1355845. doi: 10.3389/fimmu.2024.1355845. PMID: 38390327.

-Zhao Y, Dong H, Xia Q, Wang Y, Zhu L, Hu Z, Xia J, Mao Q, Weng Z, Yi J, Feng S, Jiang Y, Liao W, Xin Z. A new strategy for intervertebral disc regeneration: The synergistic potential of mesenchymal stem cells and their extracellular vesicles with hydrogel scaffolds. *Biomed Pharmacother*. 2024 Feb 2;172:116238. doi: 10.1016/j.biopha.2024.116238. Epub ahead of print. PMID: 38308965.

@ Method

-Basso M, Gori A, Nardella C, Palviainen M, Holcar M, Sotiropoulos I, Bobis-Wozowicz S, D'Agostino VG, Casarotto E, Ciani Y, Suetsugu S, Gualerzi A, Martin-Jaular L, Boselli D, Kashkanova A, Parisse P, Lippens L, Pagliuca M, Blessing M, Frigerio R, Fourniols T, Meliciano A, Fietta A, Fioretti PV, Soroczyńska K, Picciolini S, Salviano-Silva A, Bergese P, Zocco D, Chiari M, Jenster G, Waldron L, Milosavljevic A, Nolan J, Monopoli MP, Witwer KW, Bussolati B, Di Vizio D, Falcon Perez J, Lenassi M, Cretich M, Demichelis F. International Society for Extracellular Vesicles Workshop. QuantitatEVs: multiscale analyses, from bulk to single extracellular vesicle. *J Extracell Biol*. 2024 Jan;3(1):e137. doi: 10.1002/jex2.137. Epub 2024 Jan 24. PMID: 38405579.

-Schaack B, Mercier C, Katby M, Hannani D, Vollaire J, Robert JS, Caffaratti C, Blanquet F, Nicoud O, Jossierand V, Laurin D. Rapid Biodistribution of Fluorescent Outer-Membrane Vesicles from the Intestine to Distant Organs via the Blood in Mice. *Int J Mol Sci*. 2024 Feb 2;25(3):1821. doi: 10.3390/ijms25031821. PMID: 38339099.

@ Stem cell

-Łabędź-Masłowska A, Vergori L, Kędracka-Krok S, Karnas E, Bobis-Wozowicz S, Sekuła-Stryjewska M, Sarna M, Andriantsitohaina R, Zuba-Surma EK. Mesenchymal stem cell-derived extracellular vesicles exert pro-angiogenic and pro-lymphangiogenic effects in ischemic tissues by transferring various microRNAs and proteins including ITGa5 and NRP1. *J Nanobiotechnology*. 2024 Feb 12;22(1):60. doi: 10.1186/s12951-024-02304-y. PMID: 38347587.

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