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***

September 2023

Dear FSEVers,

After two months in which the board members were able to take (more or less) some time off, we're back, fresh and ready to bring you all the latest local and international initiat-EVs. The FSEV 2023 conference is just around the corner, and we look forward to welcoming you as one of our speakers. During this conference, we will vote for the new FSEV board, whether you're a permanent member or not, EV expert or neophyte, don't hesitate to apply to be part of the new FSEV board. We look forward to seeing you there!

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***

@ FSEV Congress 2023 will be hold on **14/11/2023 (NEW DATE !!!!)**. **Save the date** for this **online event**! This young researchers-led conference will highligh early-carreer researchers and cutting-edge research from keynote speakers, Lorena Martin Jaular (Institut Curie, Paris) and Julien Pompon (IRD, Montpellier)

Abstract submission at: *https://fsevmeeting2023.sciencesconf.org/* before **30/09/2023**

FSEV Congress 2023 will also validate the accounts of the FSEV and its actions throughout the year, will allow our members to express their wishes for future actions, and will elect the new board for 2024-2026

@ Call for application to renew FSEV board. All information regarding the board, including the application form, are available at *https://www.fsev.fr/join-us.html*

Wether you're young (PhD candidate…) or less young (tenure), please send your application to: *calls@fsev.fr* before **15/09/2023**

A new board will be presented for vote of the members at the FSEV Congress 2023 General assembly (see above)

@ FSEV Congress 2024 will be hold in Strasbourg. Do not hesitate to contact us at *calls@fsev.fr* to participate in the organization of the meeting, particularly if you are located in the East

@ 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&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.

FSEV is proud to announce our 2nd MOVE accepted application

The successful applicant is **Rojbin EL** (2nd year PhD student; Extracellular Vesicles, Immune Responses and Cancer team, Inserm U932- Centre d'immunothérapies des cancers, Institut Curie, Paris) who will stay in the group of Celso A. Reis (i3S - Instituto de Investigação e Inovação em Saúde, Universidade do Porto, Portugal). The group is expert on the study of glycosylation in cancer, including the role of glycans in EVs.

During her PhD, she used different approaches to manipulate expression of SERINC3 and other SERINC family members in MDA-MB-231 breast cancer cell lines, and studied the consequences on EV release. She has established a robust protocol to study the uptake of EV by different immune cells. Her results suggest that SERINC3 downregulation affects EV targeting to different immune cell types.

Her aim will be to determine the changes in glycosylation on cells and EVs induced by the modulation of SERINC expression. The training in the host laboratory will allow to learn key techniques for the analysis of glycans that can be adapted for the analysis of EVs. She will be able to explore one of the possible mechanisms by which SERINC3 modulation could alter the tropism of EVs towards different immune cells. The stay in **Porto** will also foster collaboration between the two laboratories, which will be essential for the continuation of the project.

@ MOVE International Symposium: will be held on **24-27/10/2023**, Malaga, Spain.

Early bird registration deadline: **15/09/2023**

More information at *https://www.webcongreso.com/move*

@ 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**

Registration deadline: **07/12/2023**
More information at *https://www.alphavisa.com/afc-fsev/2024/index.php*

@ 11th Grand-Ouest EV network (GO-EV) meeting BioGenOuest "Holistic approaches of the EVs" on **19/10/2023** in Nantes. More news to come!

ISEV (International Society for EVs) EVENTS:

@ 1st ISEV Symposium on Extracellular Vesicles in Nervous Systems, **Do not wait to register!**

A first-of-its-kind symposium organized by the ISEV **Special Interest Group (SIG) "EViNS"**. Christian Neri (FSEV vice-president) and Julie Saugstad (USA), the symposium co-chairs, are kindly inviting you to the first ISEV symposium "EVs in Nervous Systems"

The in-person meeting will be in Rome, Italy from **06-08/12/23**. The meeting will feature talks by leading experts in the field, short talks selected from abstracts, poster sessions, and panel discussions

More information at *https://www.isev.org/evs-in-nervous-system*

Early registration rates and deadline for abstract submission end on **12/09/2023**

@ ISEV2023, Workshop: "EV-based biomarkers: Commercialisation and Clinical Implementation", **12-14/10/23**, Aalborg, Denmark

Jessica Gobbo (INSERM1231, CGFL, Dijon): FSEV member invited speakers and chair, session on the feasibility and discovery of EV biomarkers

@ Special Interest Group (SIG) on Genitourinary System EVs – GUSEV

GUSEV has evolved from the ISEV Rigor and Standardization Urine Task Force. While this task force continues to monitor and foster reproducibility in urinary EV research, GUSEV will focus on education, cross-disciplinary and cross-society collaboration and professional networking beyond the scope of rigor and standardization

More information at *https://isev.memberclicks.net/SIGGUSEV*

Inaugural Online Seminar GUSEV on **21/09/2023**. Register for this free online seminar *https://isev.memberclicks.net/gusevseminar#!/*

GUSEV initiates its activities with the ESUR & ISEV cross-society meeting session: "Extracellular vesicles in urology research: from mechanisms to therapeutic opportunities" to be held during ESUR23, the 29th Meeting of the European Association of Urology, Section of Urological Research, **19-21/10/23**, in Basel, Switzerland

The program includes a keynote by Clotilde Thery (FSEV member)

Registration: *https://esur.uroweb.org/how-to-register/*

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

Abstract submission will open in the coming weeks and closes on **11/12/23**

Registration will begin in October 2023

Visit the ISEV2024 Website for updates *https://www.isev.org/isev2024*

@ 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:

PhD Defense:

@ Camille Menaceur:

Étude des vésicules extracellulaires dérivées de péricytes cérébraux comme modulateurs des propriétés de la barrière hémato-encéphalique.

22/09/2023 (2pm, Lens). Supervisor: Pr. Laurence TILLOY-FENART (Université d'Artois, Lens) et Dr. Julien SAINT-POL (Université d'Artois, Lens)

Virtual events, Conferences and Courses

@ INRAE organizes a meeting on extracellular vesicles on **29/09/2023**. Hours: 9h-17h45.

Venue: INRAE headquarters, 147 rue de l'université, PARIS 7 (Grand Amphi)

The morning will be devoted to plenary lectures on the characterization, isolation and imaging of EVs, and discussions with experts in the field. In the afternoon, researchers from all INRAE departments will present their work

Registration is free but mandatory with the organizers: Sophie ROME (FSEV member and past president; dep. AlimH, *srome@univ-lyon1.fr*) and Laurent Galio (dep. PHASE, *laurent.galio@inrae.fr*)

@ 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!

@ 18-month Postdoctoral position starting as soon as possible in Physiopathology of Nutritional Adaptations (UMR PhAN-1280), Nantes Hospital Hôtel-Dieu, Medical University of Nantes, France

We are looking for a rigorous candidate with creative and collaborative spirit. PhD in Microbiology, Experience/Knowledge in EVs, Scientific English speaking and writing are required. Knowledge in microbiota is recommended. Good communication skills (oral and written) and the ability to work in a team are essential

The main objective of this project is to investige the bacterial extracellular vesicles (BEVs) from indole-producing bacteria frequently found in newborn gut microbiota. The study will include the analyses of samples for BEVs production from in vitro bacterial cultures and in vivo experimentations on preclinical models in controlled conditions. BEVs will be characterized by physical and biological assessments after extraction and purification. Biological functions of the BEVs derived from indole-producing bacteria and synthetic gut communities will be determined using our expertise on specific stem cell lines and ex vivo electrophysiological analyses on brain slides

To apply, please send a CV h a short statement for research interests, scientific production and the contact details of two referees via e-mail to: *odile.tresse@inrae.fr*

@ 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, DRCE) 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 a project focus on tumor-derived extracellular vesicles (EVs) and biomarkers discovery. The candidate will carry out experiments to purify and moleculary characterize EVs and their subpopulations from cell lines and human clinical samples. He/she will be responsible to design experiments in concert with the scientific staff, and coordinating the follow-up of the projects and interaction with the different externals' collaborators. The engineer will also manage the financials, including requests for funding and manage the equipment. 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 is a must. This engineer position is funded by Labex for one year. The successful candidate should **start no later than November 2023**.

To apply, please send a motivation letter, your CV, and the contact details of two referees via e-mail to *jgobbo@cgfl.fr* and *Cgarrido@u-bourgogne.fr*

RECENT publications from the french FSEV community:

SEND US YOUR ACCEPTED PAPERS

@ Comment

-Barrière J, Frank F, Besancon L, Samuel A, Saada V, Billy E, Al-Ahmad A, Florens N, Seitz-Polski B, Robert J. Letter to Editor "Innate immune suppression by SARS-CoV-2 mRNA vaccinations: The role of G-quadruplexes, exosomes, and MicroRNAs": Important concerns on the validity of this article. Food Chem Toxicol. 2023 Aug;178:113897. doi: 10.1016/j.fct.2023.113897. Epub 2023 Jun 14. PMID: 37328089.

@ Review

-Ali-Berrada S, Guitton J, Tan-Chen S, Gyulkhandanyan A, Hajduch E, Le Stunff H. Circulating Sphingolipids and Glucose Homeostasis: An Update. Int J Mol Sci. 2023 Aug 12;24(16):12720. doi: 10.3390/ijms241612720. PMID: 37628901.

-Duquesne I, Abou Chakra M, Hage L, Pinar U, Loriot Y. Liquid biopsies for detection, surveillance, and prognosis of urothelial cancer: a future standard? Expert Rev Anticancer Ther. 2023 Aug 8:1-13. doi:10.1080/14737140.2023.2245144. Epub ahead of print. PMID: 37542214.

-Martín-Bórnez M, Falcón D, Morrugares R, Siegfried G, Khatib AM, Rosado JA, Galeano-Otero I, Smani T. New Insights into the Reparative Angiogenesis after Myocardial Infarction. Int J Mol Sci. 2023 Aug 1;24(15):12298. doi: 10.3390/ijms241512298. PMID: 37569674.

-Xue M, Arvy N, German-Retana S. The mystery remains: How do potyviruses move within and between cells? Mol Plant Pathol. 2023 Aug 12. doi: 10.1111/mpp.13383. Epub ahead of print. PMID: 37571979.

@ Short survey

-Menasché P. Human PSC-derived cardiac cells and their products: therapies for cardiac repair. J Mol Cell Cardiol. 2023 Aug 16;183:14-21. doi: 10.1016/j.yjmcc.2023.08.002. Epub ahead of print. PMID:37595498.

@ White paper

-Sumner G, Keller S, Huleatt J, Staack RF, Wagner L, Azadeh M, Bandukwala A, Cao L, Du X, Salinas GF, Garofolo F, Harris S, Hopper S, Irwin C, Ji Q, Joseph J, King L, Kinhikar A, Lu Y, Luo R, Mabrouk O, Malvaux L, Marshall JC, McGuire K, Mikol V, Neely R, Qiu X, Saito Y, Salaun B, Scully I, Smeraglia J, Solstad T, Stoop

J, Tang H, Teixeira P, Wang Y, Wright M, Mendez L, Beaver C, Eacret J, Au-Yeung A, Decman V, Dessy F, Eck S, Goihberg P, Alcaide EG, Gonneau C, Grugan K, Hedrick MN, Kar S, Sehra S, Stevens E, Stevens C, Sun Y, McCush F, Williams L, Fischer S, Wu B, Jordan G, Burns C, Cludts I, Coble K, Grimaldi C, Henderson N, Joyce A, Lotz G, Lu Y, Luo L, Neff F, Sperinde G, Stubenrauch KG, Wang Y, Ware M, Xu W. 2022 White Paper on Recent Issues in Bioanalysis: Enzyme Assay Validation, BAV for Primary End Points, Vaccine Functional Assays, Cytometry in Tissue, LBA in Rare Matrices, Complex NAb Assays, Spectral Cytometry, Endogenous Analytes, Extracellular Vesicles Part 2 - Recommendations on Biomarkers/CDx, Flow Cytometry, Ligand-Binding Assays Development & Validation; Emerging Technologies; Critical Reagents Deep Characterization. Bioanalysis. 2023 Aug;15(15):861-903. doi: 10.4155/bio-2023-0151. Epub 2023 Aug 16. PMID: 37584363.

@ Brain

-Wang P, Lan G, Xu B, Yu Z, Tian C, Lei X, Meissner WG, Feng T, Yang Y, Zhang J. α-Synuclein-carrying astrocytic extracellular vesicles in Parkinson pathogenesis and diagnosis. Transl Neurodegener. 2023 Aug 25;12(1):40. doi: 10.1186/s40035-023-00372-y. PMID: 37620916.

@ Immunology

-Bebelman MP, Setiawan IM, Bergkamp ND, van Senten JR, Crudden C, Bebelman JPM, Verweij FJ, van Niel G, Siderius M, Pegtel DM, Smit MJ. Exosomal release of the virus-encoded chemokine receptor US28 contributes to chemokine scavenging. iScience. 2023 Jul 18;26(8):107412. doi:10.1016/j.isci.2023.107412. PMID: 37575190.

-Roux Q, Boiy R, De Vuyst F, Tkach M, Pinheiro C, de Geyter S, Miinalainen I, Théry C, De Wever O, Hendrix A. Depletion of soluble cytokines unlocks the immunomodulatory bioactivity of extracellular vesicles. J Extracell Vesicles. 2023 Aug;12(8):e12339. doi: 10.1002/jev2.12339. PMID: 37548263.

@ Lipidomics

-Sarmento MJ, Llorente A, Petan T, Khnykin D, Popa I, Nikolac Perkovic M, Konjevod M, Jaganjac M. The expanding organelle lipidomes: current knowledge and challenges. Cell Mol Life Sci. 2023 Aug 2;80(8):237. doi: 10.1007/s00018-023-04889-3. PMID: 37530856.

@ Metabolism

-Blandin A, Amosse J, Froger J, Hilairet G, Durcin M, Fizanne L, Ghesquière V, Prieur X, Chaigneau J, Vergori L, Dray C, Pradère JP, Blandin S, Dupont J, Ducluzeau PH, Dubois S, Boursier J, Cariou B, Le Lay S. Extracellular vesicles are carriers of adiponectin with insulin-sensitizing and anti-inflammatory properties. Cell Rep. 2023 Aug 29;42(8):112866. doi: 10.1016/j.celrep.2023.112866. Epub 2023 Aug 21. PMID: 37605533.

@ Method

-Obeid S, Chamieh J, Mai TD, Morani M, Reyre M, Krupova Z, Defrenaix P, Cottet H, Taverna M. Fast, simple and calibration-free size characterization and quality control of extracellular vesicles using capillary Taylor dispersion analysis. J Chromatogr A. 2023 Aug 30;1705:464189. doi:10.1016/j.chroma.2023.464189. Epub 2023 Jun 30. PMID: 37442068.

@ Pathogen

-Pin C, David L, Oswald E. Modulation of Autophagy and Cell Death by Bacterial Outer-Membrane Vesicles. Toxins (Basel). 2023 Aug 14;15(8):502. doi: 10.3390/toxins15080502. PMID: 37624259.

@ Trafficking

-Fan Y, Pionneau C, Cocozza F, Boëlle PY, Chardonnet S, Charrin S, Théry C, Zimmermann P, Rubinstein E. Differential proteomics argues against a general role for CD9, CD81 or CD63 in the sorting of proteins into extracellular vesicles. J Extracell Vesicles. 2023 Aug;12(8):e12352. doi: 10.1002/jev2.12352. PMID:37525398.

-Park S, Dahn R, Kurt E, Presle A, VanDenHeuvel K, Moravec C, Jambhekar A, Olukoga O, Shepherd J, Echard A, Blower M, Skop AR. The mammalian midbody and midbody remnant are assembly sites for

RNA and localized translation. Dev Cell. 2023 Aug 7:S1534-5807(23)00357-X. doi:10.1016/j.devcel.2023.07.009. Epub ahead of print. PMID: 37552987.

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