



*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***

Summer 2022

Dear FSEVer,

Dear EVologists,

We hope that your summer was restorative. With the return to school, the countdown for the registrations to our 5th congress has begun! Do not hesitate to register as soon as possible (see below for details), places are counted. It would be unfortunate if you could not attend our first face-to-face conference since 2019!

Best regards,
The FSEV board

NEWS FROM FSEV SOCIETY:

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

@ **FSEV 5th meeting (FSEV 2022)** in person at the Asiem in Paris, **19-21/10/2022**. **“Save the date!”** for a selected set of presentations, PhD award 2021 ceremony, and opportunities to connect with attendees. This meeting provides a unique forum to discuss advances in basic and translational research on extracellular vesicles. The first day will be dedicated to a workshop about flow cytometry and EVs co-organized with AFC (Association Française de Cytométrie).

Abstract submission deadline: **16/09/2022**

Registration deadline: **30/09/2022**

Full program and registration info will be available soon at <https://www.fsev.fr/>

@ **FSEV 2022 General Assembly** will be held during the FSEV 5th meeting, **21/10/2022** (see above). It will validate the accounts of the FSEV and its actions throughout the year and will allow our members to express their wishes for future actions.

@ **Call for FSEV PhD award 2021** postponed due to the COVID-19 situation

The FSEV will award 500€ awards for one (or more?) PhD laureate with outstanding contributions in the field of EVs (theses should have been defended in French University from day/month/2021 to **31/08/2022**).

To apply, please send a single pdf file including your CV, a summary of the work using a graphical abstract, a short motivation letter (≤ 1 page), and the reports of the PhD defense to calls@fsev.fr

Deadline for application: **16/09/2022**

@ MOVE European Mobility Fellowships 2022

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.

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 from the list below.

ISEV (International Society for EVs) EVENTS:

@ 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:

Virtual events, Conferences and Courses

@ **GO-EV, the Grand Ouest Extracellular Vesicles Network IXth Meeting on Nanoparticle production & characterization**, will take place in person, **08/09/2022** at Oniris (campus Géraudière), Nantes.

Inscription is free, but mandatory. If you wish to attend, please send an email to steffi.bosch@oniris-nantes.fr

@ **Keystone symposia: "Exosomes, Microvesicles and Other Extracellular Vesicles"** Rescheduled from February 2022 to **October 30 - November 02, 2022**. Santa Fe, New Mexico, United States.

More information at: <https://www.keystonesymposia.org/conferences/conference-listing/meeting?eventid=6951>

FSEV member Organizer: Clotilde Théry

FSEV member Speaker: Chantal Boulanger, Christian Néri, Clotilde Théry, Pascale Zimmerman

@ **GERLI**, Groupe d'Etude et de Recherche en Lipidomique, 17^{ème} congrès **06-09/11/2022** (Hôtel Delcloy à Saint Jean-Cap-Ferrat) avec une session "Exotic organelles and lipid signaling". For more information, please see <https://www.gerli.com>

FSEV member Speaker: Soazig Le Lay

@ **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!

@ **a 3-year PhD Position** is open at INRAE, Clermont-Ferrand/Saint Genes Champanelle, France. The PhD work will be performed out in the Biomarkers team of the UMR Herbivores whose research programmes aimed at identifying, in cattle, the physiological mechanisms and biomarkers of feed efficiency and at determining the roles of adiposity and adipokines on animal performance.

The thesis aims to characterize the molecular signatures present in circulating microvesicles (exosomes) and explaining feed efficiency or body composition in meat-

producing crossbred cattle raised on grass. Its program relies on the hypothesis that the integration of proteomic and lipidomic exosomal signatures and phenotypic data will characterize the mechanisms involved in these phenotypes and identify minimally invasive biomarkers to characterize them.

-Recommended training: Master in cellular and molecular biology or in animal physiology.

-Desired knowledge: whole-body physiology in mammals, data mining.

-Experience appreciated: data analysis on R, M2 internship or end of study carried out in a research laboratory

-Skills sought: writing and presentation skills will be appreciated. Knowledge of physiology or livestock in general will be an advantage for the understanding of the project.

For application details please contact: isabelle.cassar-malek@inrae.fr and muriel.bonnet@inrae.fr

RECENT publications from the french FSEV community:

SEND US YOUR ACCEPTED PAPERS

@ Review

-Evans PC, Davidson SM, Wojta J, Bäck M, Bollini S, Brittan M, Catapano AL, Chaudhry B, Cluitmans M, Gneccchi M, Guzik TJ, Hofer I, Madonna R, Monteiro JP, Morawietz H, Osto E, Padró T, Sluimer JC, Tocchetti CG, Van der Heiden K, Vilahur G, Waltenberger J, Weber C. From novel discovery tools and biomarkers to precision medicine - basic cardiovascular science highlights of 2021/2022. *Cardiovasc Res.* 2022 Jul 28;cvac114. doi: 10.1093/cvr/cvac114. Epub ahead of print. PMID: 35899362.

@ Brain

-Blommer J, Pitcher T, Mustapic M, Eren E, Yao PJ, Vreones MP, Pucha KA, Dalrymple-Alford J, Shoorangiz R, Meissner WG, Anderson T, Kapogiannis D. Extracellular vesicle biomarkers for cognitive impairment in Parkinson's disease. *Brain.* 2022 Jul 14;awac258. doi: 10.1093/brain/awac258. Epub ahead of print. PMID: 35833836.

@ Cancer

-Ashkhan O, Abdallah S, Shoukari AA, Chamandi G, Choubassy H, Itani ARS, Alwan N, Nasr R. Spotlight on Exosomal Non-Coding RNAs in Breast Cancer: An In Silico Analysis to Identify Potential lncRNA/circRNA-miRNA-Target Axis. *Int J Mol Sci.* 2022 Jul 28;23(15):8351. doi: 10.3390/ijms23158351. PMID: 35955480.

-Elmallah MIY, Ortega-Deballon P, Hermite L, Pais-De-Barros JP, Gobbo J, Garrido C. Lipidomic profiling of exosomes from colorectal cancer cells and patients reveals potential biomarkers. *Mol Oncol.* 2022 Jul;16(14):2710-2718. doi:10.1002/1878-0261.13223. Epub 2022 Jun 14. PMID: 35524452.

-Fahs A, Hussein N, Zalzali H, Ramadan F, Ghamloush F, Tamim H, El Homsy M, Badran B, Boulos F, Tawil A, Ghayad SE, Saab R. CD147 Promotes Tumorigenesis via Exosome-Mediated Signaling in Rhabdomyosarcoma. *Cells.* 2022 Jul 22;11(15):2267. doi: 10.3390/cells11152267. PMID: 35892564.

-Grisard E, Nevo N, Lescure A, Doll S, Corbé M, Jouve M, Lavieu G, Joliot A, Nery ED, Martin-Jaular L, Théry C. Homosalate boosts the release of tumour-derived extracellular vesicles with protection against anchorage-loss property. *J Extracell Vesicles.* 2022 Jul;11(7):e12242. doi: 10.1002/jev2.12242. PMID: 35790086.

-Li G, Liu D, Flandrin P, Zhang Y, Lambert C, Mallouk N, Cottier M. Tumor-Derived Exosomal RNA From Fine-Needle Aspiration Supernatant as a Novel Liquid Biopsy for Molecular Diagnosis of Cancer. *Pathol Oncol Res.* 2022 Aug 5;28:1610344. doi: 10.3389/pore.2022.1610344. PMID: 35991837.

-Mátyási B, Petővári G, Dankó T, Butz H, Likó I, Lőw P, Petit I, Bittar R, Bonnefont-Rousselot D, Farkas Z, Szeniczey T, Molnár K, Pálóczi K, Buzás EI, Boissan M, Sebestyén A, Takács-Vellai K. Extracellular Vesicle-Mediated Metastasis Suppressors NME1 and NME2 Modify Lipid Metabolism in Fibroblasts. *Cancers (Basel).* 2022 Aug 13;14(16):3913. doi: 10.3390/cancers14163913. PMID: 36010906.

-Nigri J, Leca J, Tubiana SS, Finetti P, Guillaumond F, Martinez S, Lac S, Iovanna JL, Audebert S, Camoin L, Vasseur S, Bertucci F, Tomasini R. CD9 mediates the uptake of extracellular vesicles from cancer-associated fibroblasts that promote pancreatic cancer cell aggressiveness. *Sci Signal*. 2022 Aug 2;15(745):eabg8191. doi:10.1126/scisignal.abg8191. Epub 2022 Aug 2. PMID: 35917363.

@ Heart

-Abou Zeid F, Charrier H, Beseme O, Michel JB, Mulder P, Amouyel P, Pinet F, Turkieh A. Lim Domain Binding 3 (Ldb3) Identified as a Potential Marker of Cardiac Extracellular Vesicles. *Int J Mol Sci*. 2022 Jul 1;23(13):7374. doi:10.3390/ijms23137374. PMID: 35806378.

@ Plasma membrane

-de Poret A, Dibsy R, Merida P, Trausch A, Inamdar K, Muriaux D. Extracellular vesicles containing the I-BAR protein IRSp53 are released from the cell plasma membrane in an Arp2/3 dependent manner. *Biol Cell*. 2022 Jul 17. doi:10.1111/boc.202100095. Epub ahead of print. PMID: 35844059.

@ Technology

-Chiechio RM, Ducarre S, Moulin G, Dupont A, Marets C, Even-Hernandez P, Artzner F, Musumeci P, Franzò G, Ravel C, LoFaro MJ, Marchi V. Luminescent Gold Nanoclusters Interacting with Synthetic and Biological Vesicles. *J Phys Chem Lett*. 2022 Aug 4;13(30):6935-6943. doi: 10.1021/acs.jpcclett.2c01071. Epub 2022 Jul 24. PMID: 35876058.

-Elkhoury K, Chen M, Koçak P, Enciso-Martínez E, Bassous NJ, Lee MC, Byambaa B, Rezaei Z, Li Y, Ubina López ME, Gurian M, Sobahi N, Hussain MA, Sanchez-Gonzalez L, Leijten J, Hassan S, Arab-Tehrany E, Ward JE, Shin SR. Hybrid extracellular vesicles-liposome incorporated advanced bioink to deliver microRNA. *Biofabrication*. 2022 Aug 19;14(4). doi: 10.1088/1758-5090/ac8621. PMID: 35917808.

@ Virus

-Mezine F, Guerin CL, Philippe A, Gendron N, Soret L, Sanchez O, Mirault T, Diehl JL, Chocron R, Boulanger CM, Smadja DM. Increased Circulating CD62E⁺ Endothelial Extracellular Vesicles Predict Severity and in-Hospital Mortality of COVID-19 Patients. *Stem Cell Rev Rep*. 2022 Aug 18:1-6. doi: 10.1007/s12015-022-10446-5. Epub ahead of print. PMID: 35982357.

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

-Physical association of low density lipoprotein particles and extracellular vesicles unveiled by single particle analysis Estefanía Lozano-Andrés, Agustin Enciso-Martinez, Abril Gijsbers, Sten F.W.M. Libregts, Cláudio Pinheiro, Guillaume Van Niel, An Hendrix, Peter J. Peters, Cees Otto, Ger J.A. Arkesteijn, Marca H.M. Wauben. doi:<https://doi.org/10.1101/2022.08.31.506022>

-Culture of human nasal olfactory stem cells and their extracellular vesicles as advanced therapy medicinal products Charlotte Jaloux, Maxime Bonnet, Marie Vogtensperger, Marie Witters, Julie Veran, Laurent Giraud, Florence Sabatier, Justin Michel, Romaric Lacroix, Corinne Chareyre, Regis Legré, Gaele Guiraudie-Capraz, François Féron. doi: <https://doi.org/10.1101/2022.08.05.502926>

-Extracellular vesicles induce aggressive lung cancer via non-canonical integrin-EGFR-KRAS signaling Karla Rubio, Addi J. Romero-Olmedo, Pouya Sarvari, Stefan Günther, Aditi Mehta, Birgit Bassaly, Peter Braubach, Gergana Dobрева, Malgorzata Wygrecka, Stefan Gattenlöhner, Thomas Braun, Achim Tresch, Johannes Graumann, Guillermo Barreto. doi: <https://doi.org/10.1101/2022.08.16.504078>

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