



*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 2022

Dear FSEVer,

The year 2022 promises to be rich in opportunities to meet again in person! 😊

Two major events this year will be the ISEV 2022 congress in Lyon in May and the FSEV 2022 congress in October.

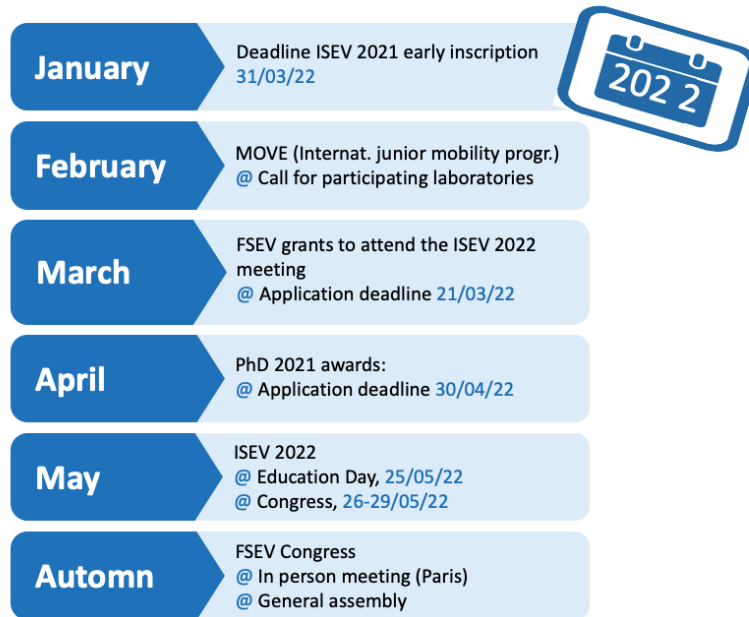
For ISEV 2022, the FSEV is offering two scholarships to cover the registration fees of two young researchers, do not hesitate to apply!

For FSEV 2022, we hope to see many of you in Paris in October. We are forming the local organizing committee for this congress, if you want to get involved, whether you are students, technicians, engineers, young or experienced researchers... come and join us now.

New actions will soon be set up such as the FSEV 2022 PhD award or the European student exchange (MOVE scholarship), stay tuned!

Best regards,
The FSEV board

@ Browse EV FUTURE EVENTS AT A GLANCE



NEWS FROM FSEV SOCIETY:

@ Call for FSEV PhD award 2021

The FSEV will offer 500€ awards for PhD theses defended in France in 2021 with outstanding contributions in the field of EVs

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), the reports of the PhD defense to calls@fsev.fr

Deadline for application: **30/04/2022**

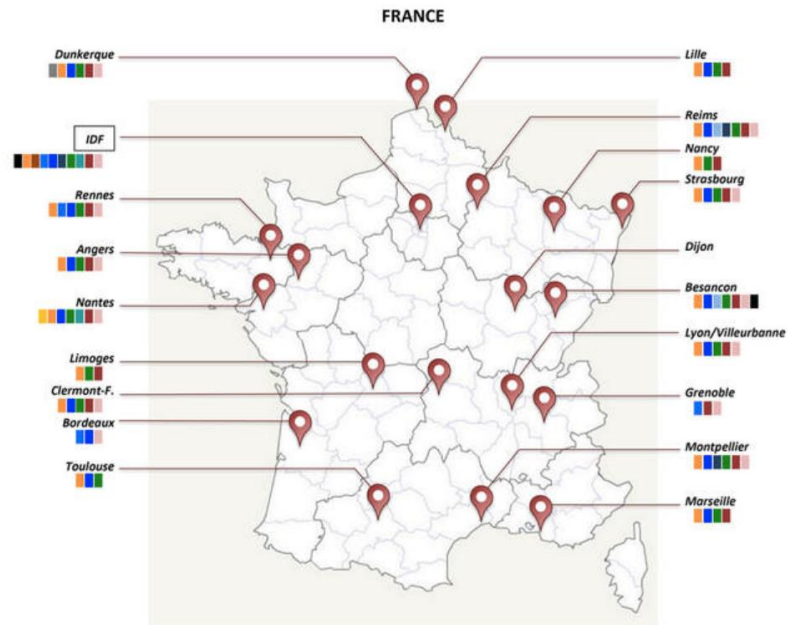
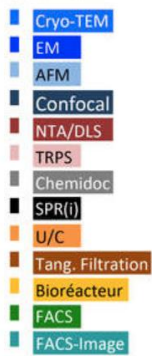
@ FSEV needs YOU ! Help is wanted to **join FSEV communication team**. The new FSEV board members invite you to take an active part in our society by improving its visibility and its network. If you're willing to contribute to the FSEV website or any social media, please do not hesitate to send your application to the following address: calls@fsev.fr

@ Map of French Laboratories' equipment of use for EVs: an update!

To keep on helping researchers, we wish to update our map of the French EV pieces of equipment that are available by region. Please send an e-mail to olivier.blancbrude@inserm.fr to implement this map if you have been forgotten.

The current map can be found here: <https://www.fsev.fr/fsev-labs-equipments.html>

Légende



ISEV (International Society for EVs) EVENTS:

@ ISEV 2022 annual meeting in Lyon, 25-29 May. This event is **co-organized by FSEV!**

Registration is now available. For more information please see: <https://www.eventscribe.net/2022/ISEV2022/>

Early bird registration deadline: **31/03/2022**

@ **Call for ISEV2022 fellowships for young researchers.** The FSEV board will award **3 fellowships covering ISEV registration fees**, to non-permanent researchers (under 35 years old) for who have been selected by the ISEV2022 IOC to present their work as oral or poster communication.

Applications are now open! To candidate, please 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 ISEV2022, 3) ISEV notification of oral presentation selection, **please add also a motivation letter**

Deadline for application: **21/03/2022**

@ **Upcoming ISEV activities open only to ISEV members**, for which ISEV will communicate in early 2022 include:

- Participation in the **MISEV2018 update**
- Application as **Member at Large** of the 2022-24 ISEV board

@ **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:

Core Facility

@ CurieCoreTech Extracellular Vesicles: an EV-dedicated Core Facility

Institut Curie has created an EV-dedicated Core Facility (CurieCoreTech Extracellular Vesicles), headed by Clotilde Théry (scientific director) and Coralie Guérin (managing director). This platform, located in the hospital building of Institut Curie in Paris 5th district, aims to offer a robust and comprehensive pipeline for the isolation, quantification and characterization of single and bulk EVs. Depending on the needs, the EV platform can provide scientific and/or technical council, project coordination, user training, and access to relevant technologies as service or in collaboration.

More information at: <https://institut-curie.org/platform/curiecoretech-extracellular-vesicles>

Please address requests to extracellularvesicles@curie.fr

Network announcement

@ SudEV: South Extracellular Vesicle Network creation proposition

Several regions are engaged into a scientific animation around EV research. Along these lines, we believe it is essential to structure these activities in the **Grand Sud** (the perimeter remains to be discussed, but the idea would be to integrate the **Occitanie and PACA regions**). In the context of a trans-regional and multidisciplinary approach, this network could become a regional relay representative of the FSEV activities, could make it possible to build a scientific animation on EV research, and possibly to mutualize expertise and knowledge to encourage and/or reinforce collaborations across regions.

The first step is to identify people interested in getting involved in this project, and particularly those who would be interested in participating actively in the steering committee.

1. If you are working on EVs in PACA or Occitanie region and if you're interested to be part of this future network, please fill in this [online table](#) (or following the link at the end of this email) to make a survey, and **do not hesitate to spread around you!**
2. If you are motivated to invest in the creation of this network and to be part of the **steering committee**, please send an email to marie.morille@umontpellier.fr

<https://docs.google.com/spreadsheets/d/1QrOIOelR9EouG0vph7EqQ74cFSVB8Umj3WCW0EzYaSI/edit?usp=sharing>

@ EVN: East Extracellular Vesicle Network

Creation of the French Eastern network on Extracellular Vesicles (EVN board: **Jessica GOBBO**, CGFL, Inserm U1231, Dijon; **Céline ELIE-CAILLE** - CNRS UMR 6174, Institut FEMTO-ST, Besançon; **Pascal COLOSETTI** - UMR Inserm U1060/INRAe 1397-CarMeN, ESSEV, Lyon).

The originality of this network is to cover the domains from pre-anALytical and EV qualifiCation to the cLINic (ALCALIN) and to be open to all researchers, engineers,

technicians, students, from academic or industrial. This initiative aims to propose a methodological and technological solution to a problem that has arisen from numerous discussions within the community, sometimes highlighting incompatibilities, inconsistencies, or technological and analytical inefficiencies, encountered in the analysis of the secretome/vesiculome in certain complex biological fluids (whole blood, plasma/serum, urine, ...).

For more information, please see the web page on the Cancéropôle-Est website: <https://www.canceropole-est.org/la-recherche/la-recherche-au-sein-du-canceropole-est/reseau-biopsies-liquides/reseau-east>

Virtual events, Conferences and Courses

@ Formation Continue "Vésicules Extracellulaires (VE) en médecine : isolement, caractérisation et utilisation", Lyon, France. **14-18/03/2022**.

For more information, please follow the link: https://offre-de-formations.univ-lyon1.fr/InsertPro/20210728_FORM_779_Formation_Vesicules_extracellulaires_form_2022.pdf

@ Gordon Research Conference "Lysosomes and Endocytosis", Physiological Adaptations of the Endo-Lysosomal System.

Rescheduled from June 19-24, 2022. Applications until **May 22, 2022**.

For more information, please follow the link: <https://www.grc.org/lysosomes-and-endocytosis-conference/2022/>

FSEV member Speaker: Guillaume van Niel and Graça Raposo

@ 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.kestonesymposia.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

@ Gordon Research Conference "Extracellular vesicles": 24-29/07/2022, Grand Summit Hotel, Sunday River, Newry, USA.

Application until 26/06/2022 at <https://www.grc.org/extracellular-vesicles-conference/2022/>

FSEV member Speakers: Clotilde Théry, Jacky Goetz

@ 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>)

@ 2 research assistant positions in molecular and cellular neurobiology at Brain-C Lab, CNRS UMR8256, Paris, France, **immediately available** starting **March 2022**.

Position 1: This 1-2 year research assistant (IE) position is available to characterize and stimulate cell-autonomous and non-cell- autonomous neuronal survival mechanisms in Huntington's disease. Established hands-on experience in cell biology, cellular imaging, and molecular biology is mandatory. Established experience with the differentiation and transduction of human induced pluripotent stem cells (iPSC) or with establishing and transducing mouse primary neurons, or both, will be a plus. Interested candidates should hold a Master (M2) in Cell Biology or a closely related field, obtained not more than 4 years ago, and they should have no more than a 2-year history of academic contracts

Position 2: This 2-year research assistant (IE) position is available to identify predictive biomarkers in human patients facing Alzheimer's disease. Established hands-on experience in state-of-art analyzes of extracellular vesicles, omics studies, and molecular biology is mandatory. This position requires a strong interest for clinical research. Interested candidates should hold a Master (M2) in Cell Biology or a closely related field, obtained not more than 4 years ago, and they should have at least 1 year of professional experience after the Master, but no more than a (i) 3-year history of biopharmaceutical contracts or (ii) 2-year history of academic contracts.

Interested candidates should apply immediately (position-number of interest, letter of motivation, full CV indicating university grades and ranking, name and email of 2 references): please send information at christian.neri@inserm.fr

@ Post-doctoral position at the Goetz lab in **Strasbourg**, France.

The Goetz lab (www.goetzlab.fr) is looking for a postdoctoral fellow with background in cancer biology to dissect the **impact of aging on metastatic progression and therapy**.

The candidate will study several aspects of the metastasis cascade, including i) high-resolution and longitudinal imaging of metastasis in zebrafish and mouse models, ii) priming of metastatic niches by extracellular vesicles, iii) molecular characterization of the aged microenvironment and iv) test combinatorial pharmacological strategy to identify relevant therapeutic tools that integrate the aging aspect of the disease.

Please send your application to jacky.goetz@inserm.fr. More informations available here: https://www.fsev.fr/uploads/9/8/7/0/98705346/pdf_aging_2022_final.pdf

@ Post-doctoral position at the Schultz and Goetz labs in **Strasbourg**, France.

The Nanotumor consortium (<https://fr.nanotumor.fr/>) is looking for a postdoctoral fellow with background in cell biology, microscopy and cancer biology to dissect **new pathways in endosome formation and extracellular vesicle secretion in metastasis**.

The selected candidate will use a combination of cell engineering, cell biology, proteomic analysis and volumetric imaging and animal experiments to probe the role of recently identified proteins. In particular, 3D electron microscopy (FIB-SEM) will be used to characterize endosomal phenotypes at nanoscale resolution.

Please send your application to jacky.goetz@inserm.fr and pat@igbmc.fr.

More informations available here:

https://www.fsev.fr/uploads/9/8/7/0/98705346/pdf_nanotumor_jan2022.pdf

@ 1-year Post-doctoral position with possibility of extension at IECM, Oniris, Nantes, starting **spring 2022**.

Type 1 diabetes is a chronic disease resulting from the autoimmune destruction of the insulin-secreting pancreatic beta cells. Extracellular vesicles endowed with immune-regulatory properties have gained attention for immune therapy of autoimmune conditions, but standardized procedures to evaluate their tolerogenic potential remain to be developed prior to clinical translation. To address this issue, the Post-doc candidate will develop ex vivo and in vivo functional assays in lymph nodes, which concentrate initiators and effectors of innate and adaptive (auto-) immune responses. This work will be performed in close collaboration with a PhD student optimizing a bioprocess for large-scale EV production from mouse and human beta cell lines.

To apply, please send your CV, motivation letter, publication list and contact information of referees to steffi.bosch@oniris-nantes.fr

RECENT publications from the french FSEV community:

SEND US YOUR ACCEPTED PAPERS

@ Review

-Louis C, Leclerc D, Coulouarn C. Emerging roles of circular RNAs in liver cancer. *JHEP Rep.* 2021 Nov 27;4(2):100413. doi: 10.1016/j.jhepr.2021.100413. PMID: 35036887.

-Sailliet N, Ullah M, Dupuy A, Silva AKA, Gazeau F, Le Mai H, Brouard S. Extracellular Vesicles in Transplantation. *Front Immunol.* 2022 Feb 3;13:800018. doi: 10.3389/fimmu.2022.800018. PMID: 35185891.

@ Brief commentary

-Gressens P. Extracellular vesicles at the rescue of the preterm brain. *Brain Behav Immun.* 2022 Feb 9:S0889-1591(22)00040-X. doi: 10.1016/j.bbi.2022.02.014. Epub ahead of print. PMID: 35150859.

@ Brain

-Leroux E, Perbet R, Caillierez R, Richetin K, Lieger S, Espourteille J, Bouillet T, Bégard S, Danis C, Loyens A, Toni N, Déglon N, Deramecourt V, Schraen-Maschke S, Buée L, Colin M. Extracellular vesicles: Major actors of heterogeneity in tau spreading among human tauopathies. *Mol Ther.* 2022 Feb 2;30(2):782-797. doi:10.1016/j.ymthe.2021.09.020. Epub 2021 Sep 24. PMID: 34563677.

@ Cancer

-Lazar I, Clement E, Carrié L, Esteve D, Dauvillier S, Moutahir M, Dalle S, Delmas V, Andrieu-Abadie N, Larue L, Muller C, Nieto L. Adipocyte extracellular vesicles decrease p16(INK4A) in melanoma: an additional link between obesity and cancer. *J Invest Dermatol.* 2022 Feb 9:S0022-202X(22)00099-9. doi:10.1016/j.jid.2022.01.026. Epub ahead of print. PMID: 35150661.

@ Immunology

-Russell AE, Liao Z, Tkach M, Tarwater PM, Ostrowski M, Théry C, Witwer KW. Cigarette smoke-induced extracellular vesicles from dendritic cells alter T-cell activation and HIV replication. *Toxicol Lett.* 2022 Feb 15:S0378-4274(22)00050-9. doi: 10.1016/j.toxlet.2022.02.004. Epub ahead of print. PMID: 35181468.

@ Lung

-Chabert C, Vitte AL, Iuso D, Chuffart F, Trocme C, Buisson M, Poignard P, Lardinois B, Debois R, Rousseaux S, Pepin JL, Martinot JB, Khochbin S. AKR1B10, One of the Triggers of Cytokine Storm in SARS-CoV2 Severe Acute Respiratory Syndrome. *Int J Mol Sci.* 2022 Feb 8;23(3):1911. doi: 10.3390/ijms23031911. PMID: 35163833.

@ Methods

-Cherbonneau F, Li G, Gokulnath P, Sahu P, Prunevieuille A, Kitchen R, Benichou G, Larghero J, Domian I, Das S. TRACE-seq: A transgenic system for unbiased and non-invasive transcriptome profiling of living cells. *iScience.* 2022 Jan 25;25(2):103806. doi: 10.1016/j.isci.2022.103806. PMID: 35198871.

@ Muscle

-Le Gall L, Duddy WJ, Martinat C, Mariot V, Connolly O, Milla V, Anakor E, Ouandaogo ZG, Millecamps S, Lainé J, Vijayakumar UG, Knoblach S, Raoul C, Lucas O, Loeffler JP, Bede P, Behin A, Blasco H, Bruneteau G, Del Mar Amador M, Devos D, Henriques A, Hesters A, Lacomblez L, Laforet P, Langlet T, Leblanc P, Le Forestier N, Maisonobe T, Meininger V, Robelin L, Salachas F, Stojkovic T, Querin G, Dumonceaux J, Butler Browne G, González De Aguilar JL, Duguez S, Pradat PF. Muscle cells of sporadic amyotrophic lateral sclerosis patients secrete neurotoxic vesicles. *J Cachexia Sarcopenia Muscle.* 2022 Feb 22. doi: 10.1002/jcsm.12945. Epub ahead of print. PMID: 35194965.

@ Pathogens

-Sahr T, Escoll P, Rusniok C, Bui S, Pehau-Arnaudet G, Lavieu G, Buchrieser C. Translocated *Legionella pneumophila* small RNAs mimic eukaryotic microRNAs targeting the host immune response. *Nat Commun.* 2022 Feb 9;13(1):762. doi: 10.1038/s41467-022-28454-x. PMID: 35140216.

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