

Dear FSEVers,

ISEV2025 in Vienna was a fantastic and inspiring meeting with about **1800 attendees** and a very strong presence and impact of the French researchers and FSEV board members on all levels.



The discussion during the **Global EV Network session** was particularly constructive with new initiatives and tools that are expected to help the national societies develop their activities and boost the structuration of international projects, particularly in Europe.

Great events are ahead and being finalised or prepared such as the **INSERM-FSEV EV2025 meeting** in June in Paris (fully booked), the online FSEV meeting organized by the **YN-FSEV (Wednesday, May 14th @ 4 pm)**, and the **2026 FSEV meeting** (early October, in Paris), a not-be-missed national and international event with plan made for several joint-sessions with major national societies in Europe.

The FSEV board.

News

FSEV Working Groups : Following a proposal during the last FSEV General Assembly to create thematic working groups (WG), we call to consider, as a first step, the development of a **WG on bacterial extracellular vesicles (BEVs)**. To this end, we would like to identify the members of the French community working on this topic in order to discuss the need to create such a group. If this sounds like you, **please email Éric Guédon (eric.guedon@inrae.fr)**. Please also help us to circulate our request to any colleagues who might be potentially interested.

EVENTS

OTHERS

Young Network (YN)-FSEV Webinar series. The YN-FSEV have the pleasure of welcoming **Dr Marie Morille** (Institut Charles Gerhardt de Montpellier, Université de Montpellier) who will present an overview of what her group has been doing on **surface modifications of EVs to improve their administrability (e.g. nebulisation) and make them more suitable to therapeutics**. Dr Morille will focus on the functionalization of EVs surface to associate EV cargo and enable their intracellular delivery, as a rational approach to control exogenous cargo association to EVs.

See you on **Wednesday, May 14th @ 4 pm** on Zoom at the following link:

<https://univ-rennes1-fr.zoom.us/j/68085084792>

ID de réunion: 680 8508 4792

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EVENTS

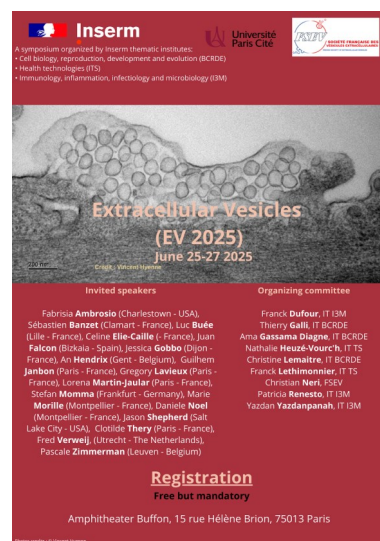
Virtual events, Conferences and Courses

EV2025, an international conference organized by **three INSERM's Thematic Institutes** and by **FSEV, Paris, June 25-27**.

At the initiative of FSEV, and together with Inserm's Thematic Institutes (ITs), the EV2025 meeting will focus on:

1. Recent advances in understanding the biology and function of EVs.
2. Cutting-edge developments in the detection, isolation, and characterization of EVs for disease research, including their engineering and therapeutic applications.

EV2025 will provide an opportunity to present the state-of-the-art and to assess the community's readiness to tackle specific public-health challenges through EV research and innovation.



11th European Conference on Tetraspanins, 17-19/09/2025, Montpellier. The conference will cover various aspects of tetraspanin biology, including extracellular vesicles. More info -> [here](#).

2nd World Congress Targeting Extracellular Vesicles, "Mitochondria and Microbiota: Crucial Impact", October 15-16, 2025, Valencia, Spain. More info: <https://targeting-exosomes.com/>



Job opportunities

Don't forget to keep an eye on **Job Offers** section on the FSEV website! Employers can directly post their open positions and job seekers can browse the latest opportunities in the field. Job listings will no longer appear in our next newsletters but will be exclusively available on our website, ensuring you always have access to the most current opportunities.



Recent publications from FSEV community

Review

-D'Angelo G, Stahl PD, Raposo G. The cell biology of Extracellular Vesicles: A jigsaw puzzle with a myriad of pieces. Curr Opin Cell Biol. 2025 Apr 22;94:102519. doi: 10.1016/j.ccb.2025.102519. Epub ahead of print. PMID: 40267602

Biomarkers

-Barhoum M, Brassart-Pasco S, Dupont-Deshorgue A, Thierry A, Kanagaratnam L, Brassart B, Ramaholimihaso F, Botsen D, Carlier C, Brugel M, Perrier M, Ramont L, Bouché O. Circulating Exosomal Proteins as New Diagnostic Biomarkers for Colorectal Cancer (EXOSCOL01): A Pilot Case-Controlled Study Focusing on MMP14 Potential. J Clin Lab Anal. 2025 Apr 17:e70016. doi: 10.1002/jcla.70016. Epub ahead of print. PMID: 40244893 .

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Recent publications from FSEV community

Biomarkers

-Jacob V, de Berny Q, Brazier F, Presne C, Lion J, Ouled-Haddou H, Metzinger-Le Meuth V, Choukroun G, Metzinger L, Guillaume N. Quantification of Urine and Plasma Levels of Extracellular Vesicles in a Cohort of Kidney Transplant Recipients and Chronic Kidney Disease Patients. *Int J Mol Sci.* 2025 Apr 11;26(8):3635. doi: 10.3390/ijms26083635. PMID: 40332150; PMCID: PMC12027010.

Cancer

-Ejtehadifar M, Zahedi S, Gameiro P, Cabeçadas J, Rodriguez MS, da Silva MG, Beck HC, Matthiesen R, Carvalho AS. Proteome alterations in peripheral immune cells of DLBCL patients and evidence of cancer extracellular vesicles involvement. *Biochim Biophys Acta Mol Basis Dis.* 2025 Apr 11;1871(6):167842. doi: 10.1016/j.bbdis.2025.167842. Epub ahead of print. PMID: 40222457.

-Wu Y, Chollet H, Sudworth A, Inngjerdingen M. Evaluating the Influence of Different Serum-Free Culture Conditions on the Production and Function of Natural Killer Cell-Derived Extracellular Vesicles. *J Extracell Biol.* 2025 Apr 25;4(4):e70049. doi: 10.1002/jex2.70049. PMID: 40292387; PMCID: PMC12025879

Methods

-Catanese S, Burlaud-Gaillard J, Blasco H, Blanchard E, Pisella PJ, Khanna RK, Eymieux S. Rapid identification of extracellular vesicles in basal tears using transmission electron microscopy. *J Fr Ophtalmol.* 2025 Apr;48(4):104446. doi: 10.1016/j.jfo.2025.104446. Epub 2025 Feb 27. PMID: 40020431.

-Zohouri D, Mai TD, Reyre M, Smadja C, Krupova Z, Talbot L, Taverna M. Elucidation of extracellular vesicles behavior during capillary isoelectric focusing. *Talanta.* 2025 Apr 1;293:128055. doi: 10.1016/j.talanta.2025.128055. Epub ahead of print. PMID: 40203599.

Microbiology

-Garling A, Goursat C, Seguy C, Martin P, Goman A, Nougayrède JP, Oswald É, Auvray F, Branchu P. Development of intimin-enriched outer membrane vesicles (OMVs) as a vaccine to control intestinal carriage of Enterohemorrhagic Escherichia coli. *Vaccine.* 2025 Apr 11;52:126899. doi: 10.1016/j.vaccine.2025.126899. Epub 2025 Feb 21. PMID: 39985970.

-Rodrigues ML, Janbon G, O'Connell RJ, Chu TT, May RC, Jin H, Reis FCG, Alves LR, Puccia R, Fill TP, Rizzo J, Zamith-Miranda D, Miranda K, Gonçalves T, Ene IV, Kabani M, Anderson M, Gow NAR, Andes DR, Casadevall A, Nosanchuk JD, Nimrichter L. Characterizing extracellular vesicles of human fungal pathogens. *Nat Microbiol.* 2025 Apr;10(4):825-835. doi: 10.1038/s41564-025-01962-4. Epub 2025 Mar 27. PMID: 40148564; PMCID: PMC12035713.

-Velez M, Arluison V. Does the Hfq Protein Contribute to RNA Cargo Translocation into Bacterial Outer Membrane Vesicles? *Pathogens.* 2025 Apr 21;14(4):399. doi: 10.3390/pathogens14040399. PMID: 40333199; PMCID: PMC12030562.

Mosquito

-Rey-Cadilhac F, Rachenne F, Marquant A, Kee Him JL, Ancelin A, Foisor V, Morille M, Lyonnais S, Cazevielle C, Missé D, Pompon J. Characterization of size distribution and markers for mosquito extracellular vesicles. *Front Cell Dev Biol.* 2025 Apr 11;13:1497795. doi: 10.3389/fcell.2025.1497795. PMID: 40292329; PMCID: PMC12021844.

Plant biology

-Ravet A, Zervudacki J, Singla-Rastogi M, Charvin M, Thiebeauld O, Perez-Quintero AL, Courgeon L, Candat A, Lebeau L, Fortunato AE, Mendu V, Navarro L. Vesicular and non-vesicular extracellular small RNAs direct gene silencing in a plant-interacting bacterium. *Nat Commun.* 2025 Apr 14;16(1):3533. doi: 10.1038/s41467-025-57908-1. PMID: 40229238; PMCID: PMC11997071.

Regenerative medicine

-Wan J, Yoon SE, Pamela R, Kai Jie Wong I, Vitale M, Cartier H, Garson S, Yi KH. Lactobacillus-Derived Exosome Therapy for Active Acne Vulgaris, Post-Inflammatory Hyperpigmentation, and Atrophic Scarring. *J Craniofac Surg.* 2025 Apr 21. doi: 10.1097/SCS.00000000000011408. Epub ahead of print. PMID: 40257450.

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