FSEV Newsletter—July 2025

Dear FSEVers,

EV2025, a joint FSEV and INSERM meeting in Paris at Institut Jacques Monod, was fantastic! FSEV is deeply grateful to all attendees, session chairs, speakers, and poster presenters for making this conference a truly enjoyable event and a scientific success!

The science: EV2025 illustrated again how research on extracellular vesicles is transforming biology and opening new paths for innovation in health and disease.

The research policy: This meeting was also the opportunity to clearly identify research domains for which the focus on EVs is anticipated to change views on outstanding questions, not only in cancer research and immunity but also in neuroscience, aging, environment as well as in bacteriology, and fungal science. It is a great pleasure to initiate collaboration and think ahead on these questions with the leaderships of INSERM Thematic Institutes BCRDE, I3M and TS!

The young researcher community: It was great to see so many PhD students and postdocs contributing to the meeting. Do not miss the opportunity to reach out to Clément Berthy (clement.berthy@inserm.fr) and join the YN-FSEV network!

Science, innovation and information: This meeting was also the opportunity to discuss and underscore the primary importance for FSEV to promote evidence-based science and detailed communication on product safety with regard to all types of applications that make use of EVs.

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.

MEMBERSHIP

Please **renew/update your membership** as soon as possible via the new FSEV website (https://fsev.eu/membership/). This will only take a few min and membership is still free.

Tips for the registration process:

- Whenever possible, use your institutional email address
- Accept cookies before filling the form
- Affiliation: use comas to separate the different items (e.g. Laboratory X, Instutution Y, University Z)
- Any issues? please let us know at contact@fsev.eu

Also, starting from September 2025, only members who renewed their membership will be eligible for travel awards, PhD thesis awards, etc.

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EVENTS

Virtual events, Conferences and Courses

Young Network (YN)-FSEV Webinar series. Keep posted!

11th European Conference on Tetraspanins, 17-19/09/2025, Montpellier. The conference will cover various aspects of tetraspanin biology, including extracellular vesicles. More information here.

3rd scientific days of EV'Occ network (Les vésicules extracellulaires en occitanie), 09/10/2025, Toulouse. Registration deadline 11/09/25 => here.

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

ISEV Meetings

Announcing ISEV meeting on **Extracellular Vesicles in Nervous Systems** 29-31/10/2025, Montreal, and **Extracellular Vesicles in Immunity,** 5-7/11/2025, Athens. More info -> here.

Grants

Challenge innovation : interactions produit -Homme, pôle de compétitivité Cosmetic Valley: https://www.idcosm.com/pages/challenges-innovation--10.html

Recent publications from FSEV community

Editorial

-Burgy O, Lehmann M. Small packages but big insights: extracellular vesicles as biomarkers in interstitial lung disease associated with systemic sclerosis. Eur Respir J. 2025 Jun 5;65(6):2402529. doi: 10.1183/13993003.02529-2024.PMID: 40473308.

-Pinheiro MK, Vingert B. Extracellular vesicles for CAR T-cell therapy immunomonitoring. Blood Adv. 2025 Jun 24;9(12):2920-2921. doi: 10.1182/bloodadvances.2025015988. PMID: 40504542.

-Saint-Pol J. Reproducibility and transparency: why following MISEV guidelines is beneficial for the studies on EVs and brain barriers. Extracell Vesicles Circ Nucleic Acids. 2025;6:328-35. doi:10.20517/evcna.2024.63 .

Review

-Duro MG, Tavares LA, Furtado IP, Saint-Pol J, D'Angelo G. Protrusion-Derived Extracellular Vesicles (PD-EVs) and Their Diverse Origins: Key Players in Cellular Communication, Cancer Progression, and T Cell Modulation. Biol Cell. 2025 Jun;117(6):e70018. doi: 10.1111/boc.70018. PMID: 40500981.

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Recent publications from FSEV community

Archaea

-Baquero DP, Borrel G, Gazi A, Martin-Gallausiaux C, Cvirkaite-Krupovic V, Commere PH, Pende N, Tachon S, Sartori-Rupp A, Douché T, Matondo M, Gribaldo S, Krupovic M. Biogenesis of DNA-carrying extracellular vesicles by the dominant human gut methanogenic archaeon. Nat Commun. 2025 Jun 3;16(1):5093. doi: 10.1038/s41467-025-60272-9. PMID: 40461479.

Biomarkers

-Dathathri E, Nanou A, Bidard FC, Renault S, Pierga JY, de Bono J, Terstappen L, Coumans FAW. Blood tumor load: combining biomarkers to increase the proportion of informative patients. ESMO Open. 2025 Jun 17;10(7):105302. doi: 10.1016/j.esmoop.2025.105302. Epub ahead of print. PMID: 40532363.

-Silva TF, Hutchins E, Zhao W, Ciani Y, Kim M, Ko E, Mariscal J, Qiu Z, Bedier F, Kittel A, Zhou B, Wang Y, Hall M, Galasso F, Reiman R, Freeman MR, Parker S, Van Eyk J, Yang W, Posadas E, Guarnerio J, Nolan J, Théry C, Zijlstra A, Stott S, You S, Demichelis F, Boutros PC, Van Keuren-Jensen K, Di Vizio D. Extracellular vesicle heterogeneity through the lens of multiomics. Cell Rep Med. 2025 Jun 6:102161. doi: 10.1016/j.xcrm.2025.102161. Epub ahead of print. PMID: 40482644.

-Nardin C, Vautrot V, Naiken I, Doussot A, Puzenat E, De Girval C, Garrido C, Aubin F, Gobbo J. Monitoring Pseudoprogression Using Circulating Small Extracellular Vesicles Expressing PD-L1 in a Melanoma Patient Treated With Immune Checkpoint Inhibitors. J Extracell Biol. 2025 Jun 22;4(6):e70066. doi: 10.1002/jex2.70066. PMID: 40552104; PMCID: PMC12183339.

Engineering

-Bui S, Lainé J, Chevé M, Vassilopoulos S, Lavieu G. Versatile tethering system to control cell-specific targeting of bioengineered extracellular vesicles. Sci Rep. 2025 Jun 3;15(1):19454. doi: 10.1038/s41598-025-04576-2. PMID: 40461587.

-Zhang L, Zhan M, Sun H, Zou Y, Laurent R, Mignani S, Majoral JP, Cao X, Shen M, Shi X. Mesenchymal Stem-Cell-Derived Exosomes Loaded with Phosphorus Dendrimers and Quercetin Treat Parkinson's Disease by Modulating Inflammatory Immune Microenvironment. ACS Appl Mater Interfaces. 2025 Jun 4;17(22):32013-32027. doi: 10.1021/acsami.5c05809. Epub 2025 May 19. PMID: 40388599.

Metabolism

-Medkour H, Pruvost L, Miot EF, Gong X, Vaissayre V, Tavadia M, Boutinaud P, Revel J, Hitakarun A, Sornjai W, Zoladek J, Duncan Smith R, Nisole S, Nolte-'t Hoen E, Bertrand-Michel J, Missé D, Marti G, Pompon J. Sphingomyelins in mosquito saliva reconfigure skin lipidome to promote viral protein levels and enhance transmission of flaviviruses. Cell Metab. 2025 Jun 13:S1550-4131(25)00295-5. doi: 10.1016/j.cmet.2025.05.015. Epub ahead of print. PMID: 40543501.

-Vidal-Gómez X, Vergori L, Dubois S, Gagnadoux F, Henni S, Veerapen R, Meilhac O, Muñoz-Picos M, Peiró C, Martinez MC, Andriantsitohaina R; Metabol Study Group. NLRP3, conveyed via extracellular vesicles from metabolic syndrome patients, is involved in atherosclerosis development. Cell Commun Signal. 2025 Jun 14;23(1):284. doi: 10.1186/s12964-025-02296-8. PMID: 40517251.

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