



*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](mailto:newsletter@fsev.fr)***

## **February 2021**

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Dear FSEVers,

Dear All,

In order to promote research on extracellular vesicles in France, the FSEV has created a **thesis prize** aimed at those who have completed their thesis in 2020. See below how to apply.

In addition, specific scholarships are offered to attend the ISEV 2021 virtual meeting: one for technical staff members and young researchers to attend the **Education Day**; the second to honour **young researchers** who have abstracts selected for oral communication! Please read this newsletter and our website for information about these scholarship and spread the information to your colleagues!

Don't forget to **register to the ISEV2021** virtual meeting to participate in the largest EV meeting in the world.

Best regards,  
The FSEV board

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**@ Browse EV FUTURE EVENTS AT A GLANCE**



<b>February</b>	FSEV grants to attend ISEV 2021 @ Call for applications
<b>March</b>	FSEV PhD 2020 awards @ Call for applications
<b>April</b>	FSEV PhD 2020 awards @ Announcement of recipients
<b>May</b>	ISEV 2021, Virtual @ Education Day, 12/05/21 @ Annual Meeting, 18-21/05/21
<b>June</b>	FSEV board election @ Call for applications
<b>September</b>	SFNano/FSEV Summerschool @ La Grande Motte, 13-15/09/21
<b>December</b>	FSEV General Assembly @ Election of FSEV board members @ PhD price ceremony

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#### NEWS FROM FSEV SOCIETY:

**@ Call for scholarships for young researchers and technical staff members to attend ISEV 2021 Education Day.** The FSEV board will grant selected applicants with a scholarship to cover for registration fees of the Education day (equivalent of 75\$).

Applications are now open! Please do not hesitate to send an email entitled "ISEV Educ Day" to [calls@fsev.fr](mailto:calls@fsev.fr) as a single pdf: 1) a short CV including your lab, status, expertise and publications if applicable, 2) 1 paragraph of motivation letter for attending ISEV Education day, mentioning how long you've been working on EV topics.

Deadline for application: **11/03/2021**.

**@ Call for ISEV2021 Oral Communication Prize for young researchers.** The FSEV board will grant some applicants who have been selected by the ISEV2021 IOC to present their abstracts as oral communication (a scholarship of \$200).

Applications are now open! Please do not hesitate to send an email entitled "ISEV Oral Communication" to [calls@fsev.fr](mailto: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 ISEV2021, 3) ISEV notification of oral presentation selection, 4) ISEV2021 registration.

Deadline for application: **02/04/2021**.

**@ Call for FSEV PhD award 2020.** The FSEV board members will give a prize to a young researchers who defended his/her PhD in 2020.

Deadline for application: **April 15th 2021**.

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#### FSEV EVENTS:

*Scheduling of on-site events shall be considered in function of the evolution of the COVID19 situation in our country*

@ **23 rd annual meeting Exo/Endo 10-11/06/2021**. Special sessions on Extracellular vesicles. Registration&dead-line abstract: **April 15th 2021**. <http://www.exoendo.org/>

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### ISEV (International Society for EVs) EVENTS:

@ **ISEV 2021 annual meeting** will take place virtually, **18-21/05/2021**. Education day will take place one week before the Annual Meeting on **12/05/2021**. Save the dates for these events **co-organized by FSEV!**

Please follow the link to register: <https://na.eventscloud.com/website/16865/reginfo/>  
Early registration rate until **11/03/2021**.

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### OTHER EV EVENTS:

#### Call for papers

@ **Research topics including all aspects of EV biology, such as their role in cancer infection, inflammation and other dispositions**

Our colleagues from GSEV (German Society for Extracellular Vesicles) are looking for contributions to their 2021s issue of the official GSEV proceedings *Trillium Extracellular Vesicles* (TEV).

All manuscripts will be published open-access and free-of-charge, and each contribution will be assigned an individual DOI number. Original manuscripts are accepted, but also reviews and perspectives. Deadline for submission: **01/05/2021**. Please refer to the following link for more information: <https://www.trillium.de/en/journals/trillium-extracellular-vesicles.html>

@ **Research topics on EVs as immunomodulatory mediators in inflammatory processes**

Our colleague Danièle Noël (INSERM, Montpellier) is one of the hosts who participates in this call for papers to be published in *Frontiers in Immunology*. The aim is to provide comprehensive overview of how EVs affect the inflammatory processes.

For FSEV members interested in such an initiative, please refer to the following link for more information: <https://www.frontiersin.org/research-topics/16660/extracellular-vesicles-as-immunomodulatory-mediators-in-inflammatory-processes>

#### Virtual events, Conferences and Courses

@ **Virtual meeting: Half-Day of the Club Exocytose-Endocytose (Club Exo-Endo) 12/03/2021** (09:15-12:00am, GMT) with 6 presentations of PhD candidates and post-doctoral fellows.

Please follow the Zoom link to participate: <https://u-paris.zoom.us/j/89660355730?pwd=MHNkaDdUaGNBaFc3VzVWVW1VTGRNUT09>

Meeting ID: 896 6035 5730; Code: 294714

@ **NANOTUMOR 2021 1<sup>st</sup> series of virtual meetings around Intravital Imaging & Cancer**, NANOTUMOR is a French initiative whose objective is to map key ultrastructural and protein elements in cancer cells using multi-resolution approaches.

Session 7 about EVs "Imaging the Niche" **25/06/2021** (12:00-14:00pm, GMT), Chaired by P. Timpson (AU) & J.G. Goetz (FR). For more information, please follow the link: <https://www.nanotumor.fr/2021-virtual-seminars>

@ **Formation Continue "Vésicules Extracellulaires (VE) de la préparation à la caractérisation"**, Lyon, France. **15-19/03/2021**.

For more information, please follow the link: [http://offre-de-formations.univ-lyon1.fr/InsertPro/20200626\\_FORM\\_779\\_Formation\\_Vesicules\\_extracellulaires\\_form\\_2021.pdf](http://offre-de-formations.univ-lyon1.fr/InsertPro/20200626_FORM_779_Formation_Vesicules_extracellulaires_form_2021.pdf)

@ **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@gimrberghofer.edu.au](mailto:Carolina.Soekmadji@gimrberghofer.edu.au))

<https://www.facebook.com/groups/518888602152396/>

[https://www.youtube.com/channel/UCvN\\_HxVQW8MQRLrDcNfMT6w](https://www.youtube.com/channel/UCvN_HxVQW8MQRLrDcNfMT6w)

@ **Ken Witwer**, Johns Hopkins Med U, Bethesda, USA: **Weekly journal club** on EVs (Wednesdays). If you wish to present an article on EVs recently published or in BioRxiv (from someone else or from yourself), you can send an email to Ken Witwer ([kwitwer1@jhmi.edu](mailto:kwitwer1@jhmi.edu)).

Presentations are posted on youtube under "Extracellular vesicle club". See a recent one here: <https://www.youtube.com/watch?v=YDRVFV4H5EY>

FSEV member Shima Ghoroghi (Strasbourg) will soon present her paper entitled "Ral GTPases promote breast cancer metastasis by controlling biogenesis and organ targeting of exosomes" (expected on **17/03/2021**).

## HDR Defense

@ **Vincent Hyenne**: "Biogenesis and function of tumor extracellular vesicles". **18/03/2021**, Équipe Biomécanique des tumeurs, INSERM-Université de Strasbourg UMR\_S 1109, Fédération de Médecine Translationnelle de Strasbourg (FMTS). [hyenne@unistra.fr](mailto:hyenne@unistra.fr)

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**JOB OPPORTUNITIES:** for more details, please see FSEV website.

@ **Applicants looking for an EV job** : visit also our website which **compilates CVs** of researchers looking for a position and interested in the EV field

@ **Postdoctoral position for 2 years** at the HormoneLaboratory, Department of Medical Biochemistry and Pharmacology, Haukeland University Hospital (Norway). The project aims to use nanoscaled exosomes as a tool to specifically target the hypothalamic areas with DNA that encodes proteins modulating energy balance. The aim is to implement this strategy in various animal models of obesity.

Send your applications to [Johan.Ferno@uib.no](mailto:Johan.Ferno@uib.no)

@ **Mobility offer** : dans le cadre de sa volonté de développer une nouvelle thématique autour des exosomes thérapeutiques vectorisés, l'équipe Zimmermann (CRCM Marseille, et KULeuven Belgique) fait un appel à toutes les personnes statutaires qui souhaiteraient contribuer à ce projet et rejoindre l'équipe pour une période d'un an au

moins. Tous les niveaux de compétences (ITA, CR, DR, MCU, PU, PUPH...) et toutes les disciplines (pharmacie, médecine, chimie, bioinformatique, biologie moléculaire, biochimie, biologie cellulaire, biologie du cancer, neurobiologie ou autres...) sont bienvenus.

Pour plus d'information ou candidature (CV d'une page plus court paragraphe de motivation) merci d'envoyer un email à : [pascale.zimmermann@kuleuven.be](mailto:pascale.zimmermann@kuleuven.be) ou [pascale.zimmermann@inserm.fr](mailto:pascale.zimmermann@inserm.fr)

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## RECENT publications from the french FSEV community:

### SEND US YOUR ACCEPTED PAPERS

#### @ Review

-Bäck M, Michel JB. From organic and inorganic phosphates to valvular and vascular calcifications. *Cardiovasc Res*. 2021 Feb 12;cvab038. doi: 10.1093/cvr/cvab038. Epub ahead of print. PMID: 33576771.

-Gautron J, Stapane L, Le Roy N, Nys Y, Rodriguez-Navarro AB, Hincke MT. Avian eggshell biomineralization: an update on its structure, mineralogy and protein tool kit. *BMC Mol Cell Biol*. 2021 Feb 12;22(1):11. doi:10.1186/s12860-021-00350-0. PMID: 33579194.

-Konkoth A, Saraswat R, Dubrou C, Sabatier F, Leroyer AS, Lacroix R, Duchez AC, Dignat-George F. Multifaceted role of extracellular vesicles in atherosclerosis. *Atherosclerosis*. 2021 Feb;319:121-131. doi: 10.1016/j.atherosclerosis.2020.11.006. Epub 2020 Nov 11. PMID: 33261815.

-Lunar Silva I, Cascales E. Molecular strategies underlying *Porphyromonas gingivalis* virulence. *J Mol Biol*. 2021 Feb 1:166836. doi: 10.1016/j.jmb.2021.166836. Epub ahead of print. PMID: 33539891.

-Middleton H, Yergeau É, Monard C, Combier JP, El Amrani A. Rhizospheric Plant-Microbe Interactions: miRNAs as a Key Mediator. *Trends Plant Sci*. 2021 Feb;26(2):132-141. doi: 10.1016/j.tplants.2020.09.005. Epub 2020 Oct 6. PMID: 33036916.

-Passera S, Boccazzi M, Bokobza C, Faivre V, Mosca F, Van Steenwinckel J, Fumagalli M, Gressens P, Fleiss B. Therapeutic potential of stem cells for preterm infant brain damage: can we move from the heterogeneity of preclinical and clinical studies to established therapeutics? *Biochem Pharmacol*. 2021 Feb 8:114461. doi: 10.1016/j.bcp.2021.114461. Epub ahead of print. PMID: 33571501.

-Rome S, Blandin A, Le Lay S. Adipocyte-Derived Extracellular Vesicles: State of the Art. *International Journal of Molecular Sciences*. 2021; 22(4):1788. doi: 10.3390/ijms22041788.

#### @ Bacteria

-Monteiro R, Chafsey I, Ageorges V, Leroy S, Chambon C, Hébraud M, Livrelli V, Pizza M, Pezzicoli A, Desvaux M. The Secretome landscape of *Escherichia coli* O157:H7: Deciphering the cell-surface, outer membrane vesicle and extracellular subproteomes. *J Proteomics*. 2021 Feb 10;232:104025. doi:10.1016/j.jprot.2020.104025. Epub 2020 Nov 4. PMID: 33160105.

#### @ Blood

-Ali S, Mallocci M, Safiedeen Z, Soleti R, Vergori L, Vidal-Gómez X, Besnard C, Dubois S, Le Lay S, Boursier J, Chevrollier A, Gagnadoux F, Simard G, Andriantsitohaina R, Martinez MC; Metabol study Group. LPS-enriched small extracellular vesicles from metabolic syndrome patients trigger endothelial dysfunction by activation of TLR4. *Metabolism*. 2021 Feb 10:154727. doi: 10.1016/j.metabol.2021.154727. Epub ahead of print. PMID: 33581132.

-Guervilly C, Bonifay A, Burtey S, Sabatier F, Cauchois R, Abdili E, Arnaud L, Lano G, Pietri L, Robert T, Velier M, Papazian L, Albanese J, Kaplanski G, Dignat-George F, Lacroix R. Dissemination of extreme levels of extracellular vesicles: tissue factor activity in patients with severe COVID-19. *Blood Adv*. 2021 Feb 9;5(3):628-634. doi: 10.1182/bloodadvances.2020003308. PMID: 33560376.

-Mansour A, Darwiche W, Yaker L, Da Nascimento S, Gomila C, Rossi C, Jung V, Sonnet P, Kamel S, Guerrero IC, Boullier A, Ausseil J. GFOGER Peptide Modifies the Protein Content of Extracellular Vesicles and Inhibits Vascular Calcification. *Front Cell Dev Biol*. 2020 Nov 30;8:589761. doi: 10.3389/fcell.2020.589761. PMID:33330469.

#### @ Methods

-Cardoso RMS, Rodrigues SC, Gomes CF, Duarte FV, Romao M, Leal EC, Freire PC, Neves R, Simões-Correia J. Development of an optimized and scalable method for isolation of umbilical cord blood-derived small extracellular vesicles for future clinical use. *Stem Cells Transl Med*. 2021 Feb 12. doi: 10.1002/sctm.20-0376. Epub ahead of print. PMID: 33577723.

### @ Reproduction

-Cordeiro L, Riou C, Uzbekov R, Gérard N. Avian sperm increase in vitro the release of exosomes from SST-enriched organoids. *Reproduction*. 2021 Feb 1:REP-20-0421.R2. doi: 10.1530/REP-20-0421. Epub ahead of print. PMID:33539315.

### @ Trafficking

-Vats S, Galli T. Introducing secretory reticulophagy/ER-phagy (SERP), a VAMP7-dependent pathway involved in neurite growth. *Autophagy*. 2021 Feb 8:1-3. doi: 10.1080/15548627.2021.1883886. Epub ahead of print. PMID:33554711.

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

-Archaeal extracellular vesicles are produced in an ESCRT-dependent manner and promote gene transfer and nutrient cycling in extreme environments. Junfeng Liu, Virginija Cvirkaite-Krupovic, Pierre Henri Commere, Yunfeng Yang, Fan Zhou, Patrick Forterre, Yulong Shen, Mart Krupovic. doi: <https://doi.org/10.1101/2021.02.09.430445>.

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