



*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***

January 2022

Dear FSEVer,

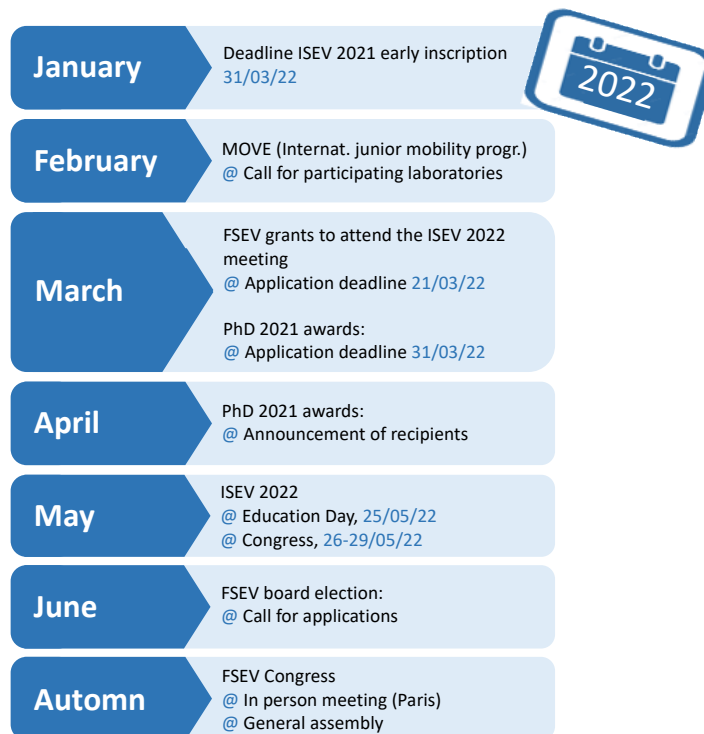
On behalf of the FSEV Board, we would first like to wish you a wonderful New Year 2022 and all the best in your EV research! We begin this new year with a new board and the difficult task of continuing the great work of the previous board!

The first gathering of the board has elected the FSEV president (Guillaume van Niel), vice president (Christian Neri), Secretary (Olivier Blanc-Brude), vice secretary (Rania Ghossoub), treasurer (Steffi Bösch), vice treasurer (Marie Morille). Congrats to all of them and welcome to the newbies! With the big help from the rest of the board, we foresee new actions and events at the national and European level and a FSEV meeting by the end of the year. We will inform you via the newsletter and regular update on the website.

Don't forget that this year, the ISEV2022 meeting will be held in Lyon, France. The Board of the FSEV, past and present, is part of this organization and this will be a great opportunity for the FSEV laboratories to be recognized as a dynamic and strong community. The deadlines are approaching so do not forget to register and check for timely updates on the ISEV website.

Best regards,
The FSEV board

@ Browse EV FUTURE EVENTS AT A GLANCE



NEWS FROM FSEV SOCIETY:

@ 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 us an e-mail to implement this map if you have been forgotten.

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

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.

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

@ **uEV 2022**, inaugural symposium on urinary extracellular vesicles, **virtually** on **15-16/02/2022**, please see <https://www.isev.org/virtual-urine-ev-symposium>

Registration: <https://isev.memberclicks.net/uev2022#/>

@ **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

@ **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>

Call for papers

@ Research topics "Is Vesicular Therapy the Newcomer That Matters for the Medicine of Tomorrow?" Our colleague Arnaud Bianchi (UMR 7365 Ingénierie Moléculaire et Physiopathologie Articulaire CNRS-Université de Lorraine, Nancy) is organizing a special issue in this **call for papers** to be published in *International Journal of Molecular Sciences*. The deadline for submissions is **30/04/2022**.

This issue will focus on the advances of vesicular vectors in the field of medicine over the last 10 years, and how this can reinforce the development of new therapeutics. It will emphasize critical problems and their resolutions: leakage, batch to batch reproducibility, scale-up impediments... Please follow this link for more information:

https://www.mdpi.com/journal/ijms/special_issues/Vesicular_Therapy

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

@ 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

@ Post-doctoral position at Ikezu Lab at Mayo Clinic, Florida.

The Molecular NeuroTherapeutics Laboratory directed by Dr. Tsuneya Ikezu MD, PhD, is seeking for applications from qualified postdoc candidates with expertise in neuroscience, extracellular vesicles and molecular biology for the translational studies of neurologic disorders.

To inquire, please send the following files to ikezu.tsuneya@mayo.edu: Curriculum vitae (including publication list), a statement of research interest including brief description of past work, and contact information of three references.

@ 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

@ Post doctoral position at the Louvain Drug Research Institute (LDRI) of UCLouvain University (Belgium)

The Advanced Drug Delivery and Biomaterials unit (ADDB) of the LDRI has acquired international recognition in the field of drug delivery. The group consists of about 30 researchers and investigates novel drug delivery methods for unmet medical needs. Its research is mainly focused on the delivery of biotech-drugs and poorly soluble drugs by a multidisciplinary approach, in particular their delivery by polymeric and lipid nanocarriers.

The ADDB lab has a post-doc position open for a minimum of 1 year for a project aiming at incorporating nucleic acids in extracellular vesicles for delivery to the central nervous system. The work will be performed in close collaboration with Prof. G. Muccioli (LDRI, BPBL) and Prof. V. van Pesch (Institute of neurosciences, Neurochemistry).

We are specifically looking for a researcher who has a strong experience and expertise into drug, and more specifically nucleic acid, encapsulation in extracellular vesicles. Experience in cell culture, extracellular vesicle isolation and characterization as well as in drug encapsulation in extracellular vesicles is required.

Please send your application (CV and motivation letter including at least 2 references) to anne.desrieux@uclouvain.be

@ Post doctoral position is opened in **January 2022** at U1229-RMeS Equipe REGOS, Nantes. The project "Cargos of bone extracellular vesicles: a new approach for regenerative medicine of bone tissue" aims to identify and analyze the cargos that are associated with EVs (transcriptomic and proteomic analysis) isolated from young and old mice in order to highlight the signals altered during aging, and demonstrate the regenerative capacities of the most promising of them.

For more details: https://drive.google.com/file/d/1_OiEBbNINHWOPcN8EeUhtAZINb-e9e9Y/view?usp=sharing

Candidates should apply by sending a CV, motivation letter, publication list, letters of recommendation and contacts of recent referees to valerie.geoffroy@inserm.fr

@ 2-year post doctoral position in extracellular vesicle-dependent cell communication in cancer is available in PRISM laboratory, Inserm UMR-1192, Université de Lille. The appointment would start between the end of 2021 and **February 2022**.

The postdoc will study the physiopathological features of breast cancer leading to brain metastasis. For this purpose, the extracellular vesicles from in vitro models of tumor microenvironment will be isolated and molecularly characterized. Their potential to prepare metastatic niches and regulate the inflammatory balance will be deciphered.

Interested candidates should send their CV, list of publications, motivation letter and the name of two referees to michel.salzet@univ-lille.fr

More details about the job description will be given during the interview.

More info about the lab: <https://laboratoire-prism.fr/>

RECENT publications from the french FSEV community:

SEND US YOUR ACCEPTED PAPERS

@ Special Issue: médecine/sciences

-1: Boulanger CM, Raposo G, Théry C. Le mot des coordinatrices – Vésicules extracellulaires : comment passer en quelques décennies d'un statut de débris cellulaires, ou pire, de sacs poubelle, à celui de messagers intercellulaires [Extracellular vesicles: How to pass in a few decades from a status of cellular debris, or worse, garbage bags, to that of inter-cellular messengers]. *Med Sci (Paris)*. 2021 Dec;37(12):1089-1091. French. doi:10.1051/medsci/2021200. Epub 2021 Dec 20. PMID: 34928210.

-2: Boireau W, Elie-Caille C. Les vésicules extracellulaires - Définition, séparation, caractérisation [Extracellular vesicles: Definition, isolation and characterization]. *Med Sci (Paris)*. 2021 Dec;37(12):1092-1100. French. doi:10.1051/medsci/2021201. Epub 2021 Dec 20. PMID: 34928211.

-3: Ghossoub R, Leblanc R, David G, Zimmermann P. Tétraspánines et syndécans - Complices dans le « trafic » des exosomes ? [Tetraspanins and syndecans: Partners in crime for 'dealing' exosomes?]. *Med Sci (Paris)*. 2021 Dec;37(12):1101-1107. French. doi: 10.1051/medsci/2021202. Epub 2021 Dec 20. PMID: 34928212.

-4: Bécot A, Corona ML, van Niel G. L'imagerie *in vivo* - Un outil incontournable pour mieux comprendre la biologie des vésicules extracellulaires [*In vivo* imaging: An essential tool to better understand the biology of extracellular vesicles]. *Med Sci (Paris)*. 2021 Dec;37(12):1108-1115. French. doi: 10.1051/medsci/2021210. Epub 2021 Dec 20. PMID: 34928213.

-5: Mary B, Ghoroghi S, Goetz JG, Hyenne V. Les vésicules extracellulaires tumorales favorisent la formation de niches pré-métastatiques [Ral-dependent tumor extracellular vesicles induce premetastatic niches in secondary organs]. *Med Sci (Paris)*. 2021 Dec;37(12):1116-1118. French. doi: 10.1051/medsci/2021203. Epub 2021 Dec 20. PMID: 34928214.

-6: Coly PM, Loyer X. Vésicules extracellulaires et maladies cardiovasculaires [Extracellular vesicles and cardiovascular diseases]. *Med Sci (Paris)*. 2021 Dec;37(12):1119-1124. French. doi: 10.1051/medsci/2021204. Epub 2021 Dec 20. PMID: 34928215.

-7: Blandin A, Le Lay S. Vésicules extracellulaires et maladies métaboliques - Des liaisons dangereuses [Extracellular vesicles and metabolic diseases: Dangerous liaisons]. *Med Sci (Paris)*. 2021 Dec;37(12):1125-1132. French. doi:10.1051/medsci/2021209. Epub 2021 Dec 20. PMID: 34928216.

-8: Leroux É, Perbet R, Buée L, Colin M. Les vésicules extracellulaires - Actrices de la communication entre les cellules du système nerveux [Extracellular vesicles in the central nervous system]. *Med Sci (Paris)*. 2021 Dec;37(12):1133-1138. French. doi: 10.1051/medsci/2021205. Epub 2021 Dec 20. PMID: 34928217.

- 9: Bosch S, Mignot G. Les vésicules extracellulaires - Un maillon essentiel du système immunitaire [Extracellular vesicles are players of the immune continuum]. *Med Sci (Paris)*. 2021 Dec;37(12):1139-1145. French. doi:10.1051/medsci/2021206. Epub 2021 Dec 20. PMID: 34928218.

-10: Aubertin K, Piffoux M, Sebbagh A, Gauthier J, Silva AKA, Gazeau F. Applications thérapeutiques des vésicules extracellulaires [Therapeutic applications of extracellular vesicles]. *Med Sci (Paris)*. 2021 Dec;37(12):1146-1157. French. doi: 10.1051/medsci/2021207. Epub 2021 Dec 20. PMID: 34928219.

-11: Bonifay A, Ghayad S, Lacroix R, Dignat-George F. Biomarqueurs vésiculaires - Opportunités et défis dans les maladies cardiovasculaires et les cancers [Extracellular vesicles-associated biomarkers: Opportunities and challenges in cardiovascular diseases and cancer]. *Med Sci (Paris)*. 2021 Dec;37(12):1158-1165. French. doi:10.1051/medsci/2021208. Epub 2021 Dec 20. PMID: 34928220.

@ Special Collection on Extracellular Vesicles and Homeostasis

-[https://faseb.onlinelibrary.wiley.com/doi/toc/10.1096/\(ISSN\)2573-9832.Extracellular-Vesicles-Homeostasis](https://faseb.onlinelibrary.wiley.com/doi/toc/10.1096/(ISSN)2573-9832.Extracellular-Vesicles-Homeostasis)

Among Guests Editors, FSEV members: Graca Raposo (Institut Curie, Paris, France) & Guillaume van Niel (Institute of Psychiatry and Neurosciences of Paris)

@ Comment

-Loyer X, Boulanger CM, Le Lay S. Adipocyte extracellular vesicles: rescuers of cardiac mitochondrial stress. *Trends Endocrinol Metab*. 2022 Jan;33(1):1-3. doi: 10.1016/j.tem.2021.11.001. Epub 2021 Nov 18. PMID: 34802873.

@ Editorial

-van Niel G, Gazeau F, Wilhelm C, Silva AKA. Technological and translational challenges for extracellular vesicle in therapy and diagnosis. *Adv Drug Deliv Rev*. 2021 Dec;179:114026. doi: 10.1016/j.addr.2021.114026. Epub 2021 Oct 25. PMID: 34710528.

@ Review

-Caillon A, Trimaille A, Favre J, Jesel L, Morel O, Kauffenstein G. Role of neutrophils, platelets and extracellular vesicles and their interactions in Covid-19-associated thrombopathy. *J Thromb Haemost*. 2022 Jan;20(1):17-31. doi: 10.1111/jth.15566. Epub 2021 Nov 9. PMID: 34672094.

-Coly PM, Boulanger CM. Role of extracellular vesicles in atherosclerosis: An update. *J Leukoc Biol*. 2022 Jan;111(1):51-62. doi: 10.1002/JLB.3MIR0221-099R. Epub 2021 Sep 8. PMID: 34494296

-Engeroff P, Vogel M. The Potential of Exosomes in Allergy Immunotherapy. *Vaccines (Basel)*. 2022 Jan 17;10(1):133. doi: 10.3390/vaccines10010133. PMID: 35062793.

-Kalamvoki M, Norris V. A Defective Viral Particle Approach to COVID-19. *Cells*. 2022 Jan 17;11(2):302. doi:10.3390/cells11020302. PMID: 35053418.

@ Brain

-Bokobza C, Joshi P, Schang AL, Csaba Z, Faivre V, Montané A, Galland A, Benmamar-Badel A, Boshier E, Lebon S, Schwendimann L, Mani S, Dournaud P, Besson V, Fleiss B, Gressens P, Van Steenwinckel J. miR-146b Protects the Perinatal Brain against Microglia-Induced Hypomyelination. *Ann Neurol*. 2022 Jan;91(1):48-65. doi: 10.1002/ana.26263. Epub 2021 Nov 26. PMID: 34741343.

@ Cancer

-Garnier D, Ratcliffe E, Briand J, Cartron PF, Oliver L, Vallette FM. The Activation of Mesenchymal Stem Cells by Glioblastoma Microvesicles Alters Their Exosomal Secretion of miR-100-5p, miR-9-5p and let-7d-5p. *Biomedicines*. 2022 Jan 6;10(1):112. doi: 10.3390/biomedicines10010112. PMID: 35052791.

-Zanella A, Vautrot V, Aubin F, Avoscan L, Samimi M, Garrido C, Gobbo J, Nardin C. PD-L1 in circulating exosomes of Merkel cell carcinoma. *Exp Dermatol*. 2022 Jan 7. doi: 10.1111/exd.14520. Epub ahead of print. PMID:34994009

@ Heart

-Giraud R, Moyon A, Simoncini S, Duchez AC, Nail V, Chareyre C, Bouhrel A, Balasse L, Fernandez S, Vallier L, Hache G, Sabatier F, Dignat-George F, Lacroix R, Guillet B, Garrigue P. Tracking Radiolabeled Endothelial Microvesicles Predicts Their Therapeutic Efficacy: A Proof-of-Concept Study in Peripheral Ischemia Mouse Model Using SPECT/CT Imaging. *Pharmaceutics*. 2022 Jan 4;14(1):121. doi: 10.3390/pharmaceutics14010121. PMID:35057018.

-Riffo-Campos AL, Perez-Hernandez J, Ortega A, Martinez-Arroyo O, Flores-Chova A, Redon J, Cortes R. Exosomal and Plasma Non-Coding RNA Signature Associated with Urinary Albumin Excretion in Hypertension. *Int J Mol Sci*. 2022 Jan 13;23(2):823. doi: 10.3390/ijms23020823. PMID: 35055008.

@ Methods

-Foulon M, Marion E, Marsollier L. Purification and Characterization of Extracellular Vesicles from *Mycobacterium ulcerans* Culture. *Methods Mol Biol.* 2022;2387:41-51. doi: 10.1007/978-1-0716-1779-3_5. PMID: 34643900.

@ Morphogenesis

-Hurbain I, Macé AS, Romao M, Prince E, Sengmanivong L, Ruel L, Basto R, Théron PP, Raposo G, D'Angelo G. Microvilli-derived extracellular vesicles carry Hedgehog morphogenic signals for *Drosophila* wing imaginal disc development. *Curr Biol.* 2022 Jan 24;32(2):361-373.e6. doi: 10.1016/j.cub.2021.11.023. Epub 2021 Dec 9. PMID:34890558.

@ Parasitology

-Smirlis D, Dingli F, Sabatet V, Roth A, Knippschild U, Loew D, Späth GF, Rachidi N. Identification of the Host Substratome of *Leishmania*-Secreted Casein Kinase 1 Using a SILAC-Based Quantitative Mass Spectrometry Assay. *Front Cell Dev Biol.* 2022 Jan 3;9:800098. doi: 10.3389/fcell.2021.800098. PMID:35047509.

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

-Reactive astrocytes promote proteostasis in Huntington's disease through the JAK2-STAT3 pathway. Laurene Abjean, Lucile Ben Haim, Miriam Riquelme-Perez, Pauline Gipchtein, Céline Derbois, Marie-Ange Palomares, Fanny Petit, Anne-Sophie Hérard, Marie Claude Gaillard, Martine Guillermier, Mylène Gaudin Guérief, Gwenaëlle Aurégan, Nisrine Sagar, Cameron Héry, Noëlle Dufour, Noémie Robil, Mehdi Kabani, Ronald Melki, Pierre De la Grange, Alexis P. Bemelmans, Gilles Bonvento, Jean-François Deleuze, Philippe Hantraye, Julien Flament, Eric Bonnet, Solène Brohard, Robert Olasso, Emmanuel Brouillet, Maria-Angeles Carrillo-de Sauvage, Carole Escartin. *bioRxiv* 2021.04.29.441924; doi: <https://doi.org/10.1101/2021.04.29.441924>.

- Isolation and Characterization of Extracellular Vesicles from the Fungal Phytopathogen *Colletotrichum higginsianum*. Brian D. Rutter, Thi-Thu-Huyen Chu, Kamil K. Zajt, Jean-Félix Dallery, Richard J. O'Connell, Roger W. Innes. *bioRxiv* 2022.01.07.475419; doi: <https://doi.org/10.1101/2022.01.07.475419>.

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