Day 1 **Wednesday, Oct. 29**	**2nd ISEV International Conference on Extracellular Vesicles in Nervous Systems**
8:30 am - 8:40 am	**Welcome introduction (Guy Rouleau, Jason Shepherd, and Christian Neri)**
8:40 am - 9:30 am	**O1.1 Keynote lecture Erika Holzbaur, University of Pennsylvania "*Autophagic stress activates compensatory secretory pathways in neurons*"**
	Session 1. EVs and Synaptic Function **Chair: Maureen Barr, Rutgers University**
9:30 am – 9:55 am	O1.2 Avital Rodal, Brandeis University. *"Local Recycling Networks Control EV Biogenesis: Mapping Cargo Trafficking Mechanisms at Synapses"*
9:55 am – 10:20 am	O1.3 Christian Neri, University of Sorbonne. *"Biological significance and molecular features of small extracellular vesicle remodeling in Huntington's disease"*
10:20 am – 10:45 am	O1.4 Andrew Chisholm, UCSD. *"Maintenance of neuronal morphology and regulation of extracellular vesicles"*
10:45 am – 11:15 am	**Coffee break**
11:15 am – 12:30 pm	**Session 1 – Short talks**
11:15 am – 11:30 am	S1.1 Kaelan Sullivan, University of Utah. *"Arc EVs Mediate Intercellular Synaptic Plasticity"*
11:30 am – 11:45 am	S1.2 Young-Gyun Park, KAIST. *"A brain-wide interneuronal network mediated by extracellular vesicles"*
11:45 am – 12:00 pm	S1.3 Pasquale D'Acunzo, NYU. *"Mitovesicle secretion in the brain is altered by mutations in the potassium channel subunit Kv3.3"*
12:00 pm – 12:15 pm	S1.4 Inna Nikonorova, Rutgers University. *"Loading TRAF signaling adapters to ciliary extracellular vesicles requires two types of channels"*
12:15 pm – 12:30 pm	S1.5 Shin-ichi Kano, University of Alabama. *"T cell-derived microRNAs in circulating extracellular vesicles regulate sociability via synaptic modulation"*
12:30 pm – 1:20 pm	**Lunch break**
1:20 pm – 1:30 pm	**Group photo**
	Session 2. Glial EVs **Chair: Yongjie Yang, Tufts University**
1:30 pm – 1:55 pm	***ZOOM*** O2.1 Dong Yan, Duke University. *"Heat Shock Proteins Function as Signaling Molecules to Mediate Neuron–Glia Communication During Aging"*
1:55 pm – 2:20 pm	O2.2 Abdolmohamad Rostami, Thomas Jefferson University. *"Extracellular Vesicles from Oligodendrocytes for the treatment of CNS Autoimmune Demyelination"*
2:20 pm – 2:45 pm	O2.3 Shilpa Buch, University of Nebraska. *"Iron Death in the Move: Microglial Extracellular Vesicles Fuel Cognitive Decline in NeuroHIV"*
2:45 pm – 3:00 pm	**Sponsor Talk 1:** Caitlin McAtee, EXOKĒRYX. *"Demeter EVPrep: Where Microchips Meet Biotech to Deliver Automated, Reproducible EV Isolation"*
3:00 pm – 3:30 pm	**Coffee break**
3:30 pm - 5 pm	**Session 2 - Short talks**
3:30 pm – 3:45 pm	***ZOOM*** *S2.1 Ramirez-Rodriguez Gerardo Bernabe, Instituto Nacional de Psiquiatria Ramon de la Fuente Muñiz. *"Exosomes isolated from human depressed patients influence the relation of new neurons and microglia"*
3:45 pm – 4:00 pm	S2.2 Tsuneya Ikezu, Mayo Clinic. *"Targeting of Tsg101 in microglia restricts microglia activation and ameliorates extracellular vesicle -mediated tau propagation"*

4:00 pm – 4:15 pm	S2.3 Samantha Reed, Emory University. *"Dysfunction in Brain Derived Extracellular Vesicles after Status Epilepticus"*
4:15 pm – 4:30 pm	S2.4 Caroline Reynolds, Tufts University. *"In vivo dynamics of astrocyte-derived exosomes and their glymphatic efflux in AD mouse model"*
4:30 pm – 4:45 pm	S2.5 Deborah Goberdhan, Oxford University. *"Rab11a-exosomes are novel mediators of Alzheimer's Disease-related cellular pathologies"*
5:00 pm - 6:30 pm	**Poster Session 1 (posters 1.1-1.29)**
	Dinner on your own (except invited speakers)
Day 2 **Thursday, Oct. 30**	**2nd ISEV International Conference on Extracellular Vesicles in Nervous Systems**
	Session 3. EVs in Brain Cancer. **Chair: Janusz Rak, McGill University.**
8:30 am – 8:55 am	O3.1 Franz Ricklefs, University Medical Center Hamburg. *"Liquid Biopsy for CNS Tumors Using Tumor-secreted EVs"*
8:55 am – 9:20 am	O3.2 Mario Suva, Mass General Hospital/Harvard University. *"Dissecting cell-cell communication in glioblastoma by single-cell genomics"*
9:20 am – 9:45 am	O3.3 Janusz Rak, McGill University. *"Impact of vesiculation pathways on vascular architecture and function in high grade brain tumours"*
9:45 am – 10: 00 am	**Sponsor Talk 2:** Tal Gilboa, Everest Biolabs. *"Automating EV isolation and characterization with scalable technologies for neuro-biomarker discovery"*
10:00 am – 10:30 am	**Coffee break**
	Session 3 – Short Talks
10:30 am – 10:45 am	S3.1 Munjal M. Acharya, UC Irvine. *"Human neural stem cell-derived extracellular vesicles alleviate cognitive decline following cranial irradiation and chemotherapy for brain cancer"*
10:45 am – 11:00 am	S3.2 Federico Dajas-Bailador, University of Nottingham. *"Extracellular Vesicle microRNAs Reshape Neuronal Development and Excitability in Cancer-Neuron crosstalk"*
11:00 am – 11:15 am	S3.3 Irene Bertolini, Wistar Institute. *"Microglia derived sEVs in the crosstalk between glioblastoma and the periphery"*
11:15 am – 11:30 am	S3.4 Randy Stout, NY Institute of Technology. *"Gap Junction Nexus Intercellular Endocytosis as a New Route for Cellular EV Production"*
11:30 am – 11:45	S3.5 Marie Oosterlynck, University of Lille/INSERM. *"Tau PHF6 hexapeptide as core driver of Extracellular Vesicles-mediated tau propagation in Alzheimer's Disease"*
12:00 pm – 1:00 pm	**Lunch Break**
1:00 pm – 1:50 pm	**O3.4 Keynote lecture Frederic Saudou, Grenoble Alpes University *"Linking energy metabolism to intracellular trafficking and neurodegeneration in Huntington disease"***
	Session 4. EVs as biomarkers and new technologies **Chair: Tsuneya Ikezu, Mayo Clinic**
2:00 pm – 2:25 pm	O4.1 Jina Ko, University of Pennsylvania. *"Single EV Profiling for Molecular Diagnostics"*
2:50 pm – 3:15 pm	O4.2 Gagan Deep, Wake Forest University. *"Refining Neuronal Small Extracellular Vesicle Isolation: A Liquid Biopsy Approach for Alzheimer's Disease"*
3:15 pm – 3:40 pm	O4.3 Leandra Figueroa-Hall, University of Tulsa. *"Astrocyte-enriched extracellular vesicle miRNAs reveal inflammation-related biological processes"*

3:40 pm – 3:55 pm	**Sponsor talk 3:** Sven Kreutel, Particle Metrix. *"Robust Characterization of EVs Using the ZetaView x40 Evolution and Novel Fluorescent Antibodies"*
4:00 pm – 4:30 pm	**Coffee break**
	Session 4 – Short Talks
4:30 pm – 4:45 pm	S4.1 Charisse Winston, University of S California. *"Characterization of Multiple CNS-Derived Salivary EV Populations for Alzheimer's Biomarker Discovery"*
4:45 pm – 5:00 pm	S4.2 Manish Bhomia, Uniformed Services University. *"ICAM-5 is a novel marker for isolation and enrichment of neuronally derived extracellular vesicles"*
5:00 pm – 5:15 pm	S4.3 Roosmarijn Vandenbroucke, University of Ghent. *"Extracellular vesicles derived from clonally expanded, immortalized mesenchymal stromal cells lower Alzheimer's pathology in mice"*
5:15 pm – 5:30 pm	S4.4 Aliyah Zaman, McGill University. *"MicroRNA Expression in Peripheral Extracellular Vesicles as a Biomarker for Neurodegeneration in Multiple Sclerosis"*
5:30 pm - 5:45 pm	***ZOOM*** S4.5 Md Sorwer Parvez, University of Alabama. *"Understanding Extracellular Vesicles-Brain Communications with Integrated Computational and Experimental Approaches"*
6 pm – 7:30pm	**Poster Session (posters 2.1-2.29) with cocktails and food**
Day 3 **Friday, Oct. 31**	**2nd ISEV International Conference on Extracellular Vesicles in Nervous Systems**
	Session 5. EVs and neurodegenerative diseases: mechanisms and therapeutics **Chair: Efrat Levy, New York University.**
8:30 am – 8:55 am	O5.1 Mounia Chami, Université Côte d'Azur. *"Functional and molecular profiles of large extracellular vesicles containing mitochondria derived from Alzheimer's disease models and their potential role in mitochondrial dysfunctions spreading"*
8:55 am – 9:20 am	O5.2 Anna Antoniou, University of Vienna. "*Mechanisms of trans-synaptic signaling by EV-miRNAs"*
9:20 – 9:45 am	O5.3 Ashok Shety, Texas A&M University. *"Efficacy of Human Neural Stem Cell-derived EVs for Slowing Down Brain Aging"*
9:45 – 10:10 am	O5.4 Carla Lopes, Multidisciplinary Institute of Aging-Portugal. *"Immunogenic DNA Export via Amphisomes in Parkinson's Disease"*
10:10 – 10:30 am	**Coffee break**
10:30 am – 12:00 pm	**Panel session and Q&A. "From basic EV mechanisms to clinical translation"**
12:00 pm – 12:15 pm	**Concluding remarks**