

Cell and Organ Targeting by Extracellular Vesicles 2019 ISEV Mini-Workshop

Wednesday, February 27, 2019

Thomas Jefferson University
Philadelphia, PA USA

233 S. 10th Street
Entrance: Bluemle Life Sciences Building
6th Floor, Room 602

Organizers

Co-Chair: Lucia R. Languino, PhD, TJU
Co-Chair: Kenneth W. Witwer, PhD, JHU

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This 1-day ISEV workshop will review the most recent advances in specific organ- or cell-targeting mediated by EVs. Speakers will present on selecting or engineering EVs capable of specific delivery of cargo molecules to cells. Cutting-edge findings in the area of research of protein or RNA loading and ligand display on EV to inhibit cancer or to fight other diseases will also be presented. Overview presentations from several speakers will be followed by roundtable discussion of the speakers and other experts. ISEV members will join us using Zoom and will be allowed to ask questions in advance.

- 8:00 – 9:00 am **Check in/Registration and Continental Breakfast**
- 9:00 – 9:15 **Introduction**
Kenneth Witwer, Johns Hopkins University
- Moderators:**
Kenneth Witwer, Johns Hopkins University
Nicole Noren Hooten, National Institute on Aging
- 9:15 – 9:40 **“Molecular and Functional Heterogeneity of Cancer-Derived Extracellular Vesicles”**
Dolores Di Vizio, Cedars-Sinai Medical Center
- 9:40 – 10:05 **“EV Surface Architecture – Importance for Biological Function”**
Jan Lötvall, Gothenberg University
- 10:05 – 10:30 **“Extending Healthspan with Stem Cells and Stem Cell-Derived Extracellular Vesicles”**
Paul Robbins, University of Minnesota

10:30 – 10:55	Break
10:55 – 11:20	“Tumor Exosomes and Exomeres Promote Metastasis” Jackie Bromberg, Memorial Sloan Kettering
11:20 – 11:45	"Cancer Cell EVs Target the Tumor Microenvironment" Lucia R. Languino, Thomas Jefferson University
11:45 – 12:10	“EV Based Strategies to Reactivate Latent HIV-1” Bharat Ramratnam, Brown University
12:10 – 12:35	“The Ying Yang of Vesicles in Pulmonary Hypertension” Peter J. Quesenberry, Life Span Center Institute
12:35 – 1:35	LUNCH Speaker Group Photo
1:35 – 3:00	Discussion
3:00 – 3:25	Break
3:25 – 4:45	Discussion continued
4:45 – 5:00	Concluding remarks