

## ISEV ID MEETING - VIRTUAL - MONDAY, JANUARY 25- 28, 2021

Date	Session	Start	End	Presentation Title	Speaker
Monday, January 25	COVID-19	11:00 AM	11:05 AM	Opening Remarks	
		11:05 AM	11:35 AM	Overview of coronavirus biology	Carolyn Machamer
		11:35 AM	11:55 AM	Title TBD	Nihal Altan-Bonnet
		11:55 AM	12:15 PM	ACE2-containing extracellular vesicles and exomeres bind the SARS-CoV-2 spike protein	Dennis Jeppesen
		12:15 PM	12:35 PM	Extracellular vesicles containing ACE2 efficiently prevent infection by SARS-CoV-2 Spike protein-containing virus	Lorena Martin-Jaular
		12:35 PM	12:55 PM	Automation and NGS analysis of COVID-19 test	Hidetoshi Tahara
		12:55 PM	1:15 PM	Live Discussion	
		1:15 PM	1:30 PM	Break	
		1:30 PM	1:45 PM	COVID-19 Panel on Therapeutics and Regulatory Affairs (ISEV task force)	
		1:45 PM	2:00 PM	Brian Byrd (Abstract Talk #1)	
		2:00 PM	2:10 PM	Markers of neurodegeneration in neuronal enriched extracellular vesicles after COVID-19 infection	Lynn Pulliam
		2:10 PM	2:20 PM	Assessment of Circulating Extracellular Vesicles reveals pro-inflammatory and thrombosis related protein cargo in COVID-19 patients	Balaji Krishnamachary
		2:20 PM	2:30 PM	Characterisation of circulating extracellular vesicle profiles in diabetic patients with COVID19	Carlos Salomon
		2:30 PM	2:40 PM	Generation of spike-Extracellular vesicles (S-EVs) as a tool to mimic SARS-CoV-2 interaction with host cells	Roberta Verta
		2:40 PM	2:55 PM	Live Discussion	
		2:55 PM	2:58 PM	Key miRNAs degrading Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and regulating inflammation stimulated by SARS-CoV-2.	Jisook Moon
3:01 PM	3:04 PM	Tagged exosomes with the receptor-binding domain of the viral spike protein for tissue-targeted delivery of antiviral agents against SARS-CoV-2 infection	Yuxuan Fu		
3:04 PM	3:07 PM	Exploring the distinct subpopulations of mesenchymal stromal cell derived EVs provides clues for COVID-19 therapy	Faezeh Shekari		
Tuesday, January 26	Viruses	11:00 AM	11:05 AM	Opening Remarks	
		11:05 AM	11:25 AM	Viral security proteins control the release of EV-enclosed picornaviruses	Kyra Defourny
		11:25 AM	11:45 AM	Viral protein Nef promotes EV release and HIV pathogenesis	Metka Lenassi
		11:45 AM	12:05 PM	Extracellular vesicles coated with ZIKV envelope protein attenuate antibody dependent enhancement	Gang Long
		12:05 PM	12:25 PM	Leishmania Exosomes and viruses: Impact on Cutaneous Leishmaniasis	Martin Olivier
		12:25 PM	12:45 PM	Proteomic profiling allows unbiased analysis of HIV-1 and host extracellular vesicles	Clotilde Thery
		12:45 PM	1:05 PM	Live Discussion	
		1:05 PM	1:20 PM	Break	
		1:20 PM	1:30 PM	Outer membrane vesicles induce antiviral signaling in macrophages and reduce viral replication via induction of Mx1 in alveolar epithelial cells and human lung tissue	Anna Lena Jung
		1:30 PM	1:40 PM	Deciphering the biogenesis mechanisms of JC polyomavirus associated extracellular vesicles	Jenna Morris-Love
		1:40 PM	1:50 PM	Quantifying Cellular Proteins on the Surface of HIV Using Flow Virometry	Jonathan Burnie
		1:50 PM	2:00 PM	B cell secreted exosomes with dsRNA drive the IFN response in the tubular epithelium of Lupus Nephritis patients	Michiel Pegtel

		2:00 PM	2:10 PM	Small extra-cellular vesicles from placental histocultures infected by Cytomegalovirus: how to combine requirements of virology, physiology and cell biology studies?	Mathilde Bergamelli
		2:10 PM	2:25 PM	Live Discussion	
		2:25 PM	2:28 PM	Zika infection alters the miRNA content of EVs released from a neuronal human cell line: possible role in the modulation of neurogenesis	Armando Menezes-Neto
		2:28 PM	2:31 PM	Zika virus can infect trophoblast stem cells and differentiated trophoblast stem cells in a rhesus macaque model	Lindsey Block
		2:31 PM	2:34 PM	Circulatory EVs as potential biomarkers of HIV-drug abuse interactions and neurological dysfunction in HIV Infected subjects and alcohol/tobacco Users	Sunitha Kodidela
Wednesday, January 27	Non-viral infectious diseases	11:00 AM	11:05 AM	Opening Remarks	
		11:05 AM	11:25 AM	Macrophage response to EVs carrying mycobacterial RNA	Jeff Schorey
		11:25 AM	11:45 AM	How malaria parasite tricks its host?	Neta Regev-Rudzki
		11:45 AM	12:05 PM	Trypanosoma cruzi releases different types of extracellular vesicles and modulates host interaction	Ana Claudia Torrecilhas
		12:05 PM	12:25 PM	The role of EVs in prion and prion-like mechanisms in neurodegenerative diseases	Andrew Hill
		12:25 PM	12:45 PM	Insights into the analysis, cellular origin and functions of fungal extracellular vesicles	Marcio Rodrigues
		12:45 PM	1:05 PM	Live Discussion	
		1:05 PM	1:20 PM	Break	
		1:20 PM	1:30 PM	Disruption of the ESCRTII gene Vps36 by CRISPR/Cas9 abrogates extracellular vesicle secretion by Leishmania major and reduces infection severity	George Dong
		1:30 PM	1:40 PM	Fasciola hepatica extracellular vesicles modulate the immune response in experimental infections	Antonio Marcilla
		1:40 PM	1:50 PM	Melanized extracellular particles as potential mediators of fungal pathogenicity	Teja Lavrin
		1:50 PM	2:00 PM	Staphylococcus aureus secretes immunomodulatory RNA via extracellular membrane vesicles	Blanca Rodriguez
		2:00 PM	2:10 PM	Acinetobacter baumannii transfers the drug resistance related substances via outer membrane vesicles	Hongye Jiang
		2:10 PM	2:20 PM	Extracellular Vesicles Derived from Talaromyces marneffei yeasts Mediate Inflammatory Response in Macrophage Cells	Biao Yang
		2:20 PM	2:35 PM	Live Discussion	
		2:35 PM	2:38 PM	Extracellular vesicles as a source of novel and selective antigens in allergic anisakiasis	Bradley Whitehead
		2:38 PM	2:41 PM	Neuronal infection induces extracellular vesicles (EVs) that globally suppress neurotransmission	Glenn McConkey
		2:41 PM	2:44 PM	New biomarker in Chagas disease: Extracellular vesicles isolated from peripheral blood in chronic Chagas disease patients modulate the human immune response	Rafael Pedro Madeira
		2:44 PM	2:47 PM	Outer membrane vesicles of Mycobacterium avium modulate inflammatory response in monocytes	Jingyu Wang
		2:47 PM	2:50 PM	Integrated transcriptional analysis of the cellular and extracellular vesicle RNA content of Candida auris in response to caspofungin	Lysangela Alves
2:50 PM	2:53 PM	Host CXCL10 is repressed by the malaria parasite and serves as a decision making facilitator for parasitic growth and sexual development	Yifat Ofir-Birin		
2:53 PM	2:56 PM	Leishmania-derived Exosomes Utilize ANXA1 to Promote Hyperinflammatory Cutaneous Leishmaniasis	Alonso da Silva Lira Filho		

		2:56 PM	2:59 PM	Outer membrane vesicles from Hypervirulent <i>Klebsiella pneumoniae</i> mediate virulence factor transfer	Yuneng Hua
Thursday, January 28	Technologies	11:00 AM	11:05 AM	Opening Remarks	
		11:05 AM	11:25 AM	Bacterial extracellular vesicles: from bench to clinic	Yong Song Gho
		11:25 AM	11:45 AM	Single-particle analysis of viruses by flow virometry	Vera A. Tang
		11:45 AM	12:05 PM	Methodological considerations to study extracellular vesicles	An Hendrix
		12:05 PM	12:25 PM	Telomerase immortalized cells as a scalable production system for EVs	Johannes Grillari
		12:25 PM	12:45 PM	Improved EV separation and retrieval technique – key to understanding EV cargo and function	Chioma Okeoma
		12:45 PM	1:05 PM	Live Discussion	
		1:05 PM	1:20 PM	Break	
		1:20 PM	1:30 PM	Microglial EVs from human brain-derived EVs and human plasma EVs: potential markers of immune response and neurodegeneration	Tanina Arab
		1:30 PM	1:40 PM	Comparison of three enrichment methods for immunomodulatory extracellular vesicles from helminths	Anne Borup
		1:40 PM	1:50 PM	Efficient depletion of Hepatitis B virus from plasma derived extracellular vesicles	Stephanie Jung
		1:50 PM	2:00 PM	EVs analysis in the COVID-19 era: insights on serum inactivation protocols towards downstream isolation and analysis	Alessandro Gori
		2:30 PM	2:45 PM	Live Discussion	
		2:48 PM	2:51 PM	A Capillary-Channeled Polymer (C-CP) Fiber Spin-Down Tip Approach for the Isolation, Imaging, and Characterization of Extracellular Vesicles from Healthy and Diseased Sources	Kaylan Jackson
		2:51 PM	2:54 PM	Detection of SARS-CoV-2 by microfluidic resistive pulse sensing	Zoltan Varga
2:54 PM	3:04 PM	Closing Remarks			