

Program

Wednesday August 29, 2018

Opening Day	Aula Magna, Palazzo Bo', University of Padua
3.00 pm – 7.00 pm	Welcome Reception
- 3.00 pm - 4.00 pm	Registration
- 4.00 pm - 5.30 pm	Welcome and Remarks by Valentina Zappulli, University of Padua, Italy Welcome and Greetings by Rosario Rizzuto, Dean of the University of Padua, Italy Greetings by prof. Mauro Dacasto, vice-Director BCA Dept., University of Padua, Italy Overview of the Extracellular Vesicle field by Xandra O . Breakefield, Massachusetts General Hospital/Harvard Medical School, Boston, MA, USA
- 5.30 pm - 6.30 pm	Welcome Buffet

Thursday August 30, 2018 *

Biomarker and liquid biopsy using EVs	MPX Theatre
Session Chair : Leonora Balaj, MGH/ Harvard Medical School, Boston, MA, USA	
9.00 am – 9.30 am	Speaker Marcella Chiari, " <i>Digital Detection of Exosomes captured on a microarray-based solid phase chip by Interferometric Imaging</i> ", Institute of Chemistry of Molecular Recognition National Research Council of Italy
9.30 am – 10.00 am	Speaker Susanne Gabrielsson, " <i>Exosomes in lung diseases</i> ", Karolinska Institute, Sweden
10.00 am – 10.30 am	Speaker Annalisa Radeghieri, " <i>Exploring and exploiting the biophysical properties of EVs</i> ", Department of Molecular and Translational Medicine, University of Brescia, Italy
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10.30 am – 11.00 am	Coffee break
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11.00 am – 11.30 am	Speaker Tijana Talisman, <i>“Quantitative studies of extracellular vesicles with new super-resolution microscopy method”</i> , City of Hope, CA, USA
11.30 am – 12.00 pm	Speaker Dolores Di Vizio, <i>“Extracellular vesicle heterogeneity and large oncosomes: from function to biomarkers”</i> , Cedars Sinai Medical Center, Los Angeles, CA USA
12.00 pm – 12.30 pm	Sponsor presentation: <i>“Rapid isolation, purification and detailed characterization of extracellular vesicles from biological fluids”</i> , IZON
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12.30 pm – 2.00 pm	Lunch break networking and poster session 1
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Session Chair: Kendall Jensen, Translational Genomic Research Institute, Phoenix, AZ, USA

2.00 pm – 2.30 pm	<p>Speaker selected from abstracts:</p> <ul style="list-style-type: none"> • Alessandro Sammarco, <i>“Epigenetic and transcriptome changes in endothelial cells exposed to glioblastoma-derived extracellular vesicles”</i>, Dept. of Comparative Biomedicine and Food Science, University of Padua, Italy & Dept. of Neurology, Massachusetts General Hospital/Harvard Medical School, Boston, MA, USA • Fabiana Geraci, <i>“Paracrine effect of mesoangioblast membrane vesicles on different cell types”</i>, Department of Biological, Chemical, and Pharmaceutical Sciences and Technologies, University of Palermo, Italy
2.30 pm – 3.00 pm	Speaker Jennifer Jones, <i>“Real World Solutions for Translating EV Tools for use in Precision Medicine”</i> , Laboratory of Pathology, National Cancer Institute, National Institutes of Health, MD, USA
3.00 pm – 3.30 pm	Speaker Kendall Jensen, <i>“Analysis of extracellular RNAs for monitoring disease and injuries of the central nervous system”</i> , Translational Genomic Research Institute, Phoenix, AZ, USA
3.30 pm – 4.00 pm	<hr/> Coffee Break <hr/>
4.00 pm – 4.30 pm	Speaker Sofia Pavanello, <i>“Extracellular vesicle microRNAs: a new approach in exploring the effect of human exposures to environmental and occupational carcinogens”</i> , Department of Cardiac, Thoracic, and Vascular Sciences, University of Padova, Italy
4.30 pm – 5.00 pm	Speaker Kenneth Witwer, <i>“EVs and the response of immune cells to cigarette smoke”</i> , Johns Hopkins University, Baltimore, MD, USA

- 5.00 pm – 5.30 pm Speaker selected from abstracts:
- Alejandra Hernández Villanueva, “*Conditioned medium from Fat-laden hypoxic hepatocytes activates pro-fibrogenic signals in stellate cells: possible involvement of extracellular vesicles*”, University Medical Center, Groningen, The Netherlands.
 - Davide Ferraro, “*Single-cell RT-qPCR analysis by an innovative continuous-flow droplet microfluidic device*”, Department of Physics and Astronomy, University of Padua, Italy

7.30 pm – 10.00 pm Event - Dinner on the boat Burchiello

* Breakfast included at the Hotel

Friday August 31, 2018 *

EV Biology and Biogenesis MPX Theatre

Session Chair : Stephen Gould, Johns Hopkins University, Baltimore, MD, USA

- 9.00 am – 9.30 am Speaker Stefan Momma, *Determinants of extracellular vesicle uptake in neural cells in vivo*“, Neurologisches Institut (Edinger Institut), University Hospital Frankfurt, Goethe University, Germany
- 9.30 am – 10.00 am Speaker Michiel Pegtel, “*Live visualization of exosomes release from single cells*” VU University Medical Center, Amsterdam, The Netherlands
- 10.00 am – 10.30 am Speaker Claudia Verderio, “*Multimodal microglia modulation of neuronal function via EVs: role of microRNAs and protein cargoes*” Italian National Research Council, Milano, Italy
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- 10.30 am – 11.00 am Coffee break
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- 11.00 am – 11.30 am Speaker Stephen Gould, “*Exosome Biology and Retrovirology*”, Johns Hopkins University, Baltimore, MD, USA
- 11.30 am – 12.00 pm Speaker Robert Raffai, “*Macrophage-Exosomes in Atherosclerosis Cardiovascular Disease*”, University of California San Francisco, CA
- 12.00 pm – 12.30 pm Speaker Saumya Das, “*Extracellular vesicles and exRNAs in cardiac remodeling: from functional biomarkers to therapeutics*”, Massachusetts General Hospital, Boston, MA, USA
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- 12.30 pm – 2.00 pm Lunch break and poster session 2
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Session Chair: Saumya Das, Massachusetts General Hospital, Boston, MA, USA

- 2.00 pm – 2.30 pm Speaker selected from abstracts:
- Magdalena Barreca, *“Cerebrospinal fluid isolated extracellular vesicles as possible biomarkers of multiple sclerosis status”*, UOC Neurology with Stroke Unit & Neurophysiopathology, Palermo, Italy
 - Manuela Basso, *“Circulating exosomes as a promising source of biomarkers for Amyotrophic Lateral Sclerosis”*, Centre for Integrative Biology (CIBIO), Trento, Italy
- 2.30 pm – 3.00 pm Speaker Vincenza Dolo, *“Microvesicles and exosomes: different time-dependent biogenesis for different role?”*, Dept. of Medicine, Health and Environment Sciences University of L'Aquila, Italy
- 3.00 pm – 3.30 pm Speaker Hyungsoon Im, *“Nano-plasmonic exosome (nPLEX) analysis for molecular diagnostics”*, General Hospital, Boston, MA, USA
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- 3.30 pm – 4.00 pm Coffee Break
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- 4.00 pm – 4.30 pm Speaker Marike Broekman,, *“miRNA21 is functionally transferred within extracellular vesicles from glioma to microglia in vivo”*, Utrecht University, The Netherlands
- 4.30 pm – 5.15 pm Speaker selected from abstracts:
- Marta Lombardi, *“Microglia-derived Extracellular Vesicles regulate the recruitment, proliferation and differentiation of oligodendrocyte precursor cells”*, ARC, Humanitas, Milan, Italy
 - Andre Gregoire Gwennan, *“Chemotherapy affects Extracellular Vesicles Released by Glioblastoma Brain Tumour Cells”*, Université d'Angers, Université de Nantes, Nantes, France
 - Esther Drees, *“Validation of a circulating miRNA detection assay to monitor therapy response in classical Hodgkin lymphoma”*, Department of Pathology, Cancer Center Amsterdam, Amsterdam University Medical Center, location VUmc, Amsterdam, The Netherlands
- 5.15 pm – 5.45 pm Speaker Leonora Balaj, Closing Ceremony, Massachusetts General Hospital, Boston, MA, USA
- 7.30 pm – 9.00 pm Event in Padua – Dinner

* Breakfast included at the Hotel