

DISSEMINATION

Published papers:

1. Tangential Flow Filtration for Highly Efficient Concentration of Extracellular Vesicles from Large Volumes of Fluid. S. Busatto, G. Vilanilam, T. Ticer, W.-L. Lin, D.W. Dickson, S. Shapiro, P. Bergese, J. Wolfram. *Cells*, 7 (2018) 273. <https://www.mdpi.com/2073-4409/7/12/273>

2. Active Posts in Deterministic Lateral Displacement Devices. J.P. Beech, K. Keim, B.D. Ho, C. Guiducci, J.O. Tegenfeldt. *Advanced Materials Technologies* 2019. <https://doi.org/10.1002/admt.201900339>

Research data dissemination:

-Keynote speaker, Annalisa Radeghieri, at International Conference on Bioengineering and Cell Therapy, 21 September 2018, University of Brescia, Italy.

-Invited talk at Membrane Biophysics of Exo-Endocytosis: From Model Systems to Cells. 3-6 April 2019 Mandelieu la Napoule (France). Debora Berti.

-Poster communication at the Spring Symposium 2019 in Danish Society for Parasitology, 5 April 2019, Copenhagen (Denmark). "Modulation of inflammation by helminth-derived EVs". Anne Borup, Bent W. Deleuran, Peter Nejsum.

-Poster communication at the PhD day at Aarhus University, 25 January 2019, Aarhus (Denmark). "Modulation of inflammation by helminth-derived EVs". Anne Borup, Bent W. Deleuran, Peter Nejsum.

-Lecture at ISEV2019, 24-28 April 2019, Kyoto (Japan). "Therapeutic Potential of Milk EVs" during the educational day of the ISEV2019. Martijn van Herwijnen

-Oral presentation at ISEV2019, 24-28 April 2019, Kyoto (Japan). "Different ATT isoforms are associated to EVs from ATT type II deficient patients". Annalisa Radeghieri

-Poster communication at ISEV2019, 24-28 April 2019, Kyoto (Japan). "Taxonomy of individual extracellular vesicles by nanomechanics". Andrea Ridolfi, Marco Brucale, Lucia Paolini, Costanza Montis, Debora Berti, Francesco Valle, Paolo Bergese

-Poster communication at ISEV2019, 24-28 April 2019, Kyoto (Japan). "Fourier-transform Infrared Spectroscopy (FT-IR) to fingerprint EV subpopulations as a

whole". Lucia Paolini, Stefania Federici, Giovanni Consoli, Diletta Arceri, Annalisa Radeghieri, Ivano Alessandri, Paolo Bergese

-Oral presentation at 9th International Colloids Conference. Young investigator perspective presentation, 16-19 June 2019 Sitges (Spain). "Interaction of inorganic nanoparticles with synthetic and biogenic lipid membranes: fundamental understanding and biomedical applications". Costanza Montis.

-Oral presentation at Swedish Microfluidics in Life Science 2019, June 2019, Gothenburg (Sweden). "Electrokinetic deterministic lateral displacement". Bao D. Ho.

-Oral presentation at 13th International Symposium on Electrokinetics, 12-14 June 2019, Boston (USA). "AC electrokinetics in a deterministic-lateral-displacement device". Hywel Morgan

-Oral presentation at 21st International Vacuum Conference (IVC-21), July 2019, Malmö (Sweden). "Cell sorting using Electrokinetic Deterministic Lateral Displacement". Bao D. Ho

-Oral presentation at XLVII National meeting of the Physical Chemistry Division of the Italian Chemistry Society, 1-4 July 2019 Rome (Italy). "Interaction of inorganic nanoparticles with synthetic and biogenic lipid membranes: fundamental understanding and biomedical applications". Costanza Montis

-Oral presentation at XLVII National meeting of the Physical Chemistry Division of the Italian Chemistry Society, 1-4 July 2019 Rome (Italy). "Nanostructured materials interacting with synthetic and natural lipid mesophases: challenges and opportunities". Debora Berti.

-Poster communication at XLVII National meeting of the Physical Chemistry Division of the Italian Chemistry Society, 1-4 July 2019 Rome (Italy). "Nanomechanical classification of extracellular vesicles". Andrea Ridolfi, Marco Brucale, Lucia Paolini, Costanza Montis, Debora Berti, Francesco Valle, Paolo Bergese

-Oral presentation at Fulgsø Seminar for Department of Infectious Diseases, Aarhus University Hospital (Denmark), 3-4 July 2019. "Modulation of inflammation by helminth-derived EVs". Anne Borup.

-Research seminar, National University of Singapore (NUS), Dept. of Pharmacy, 30 July 2019, Singapore. Paolo Bergese. Host: Prof. Rachel Ee

-Keynote, Paolo Bergese. @ Science through Scanning Probe Microscopy. Bologna, Nov 2019

-Keynote, Peter Nejsum. @ 1st EVIta symposium. Palermo, Nov 2019