

## DISSEMINATION

### Published papers:

4. The nanostructured secretome. S. Busatto, A. Zendrini, A. Radeghieri, L. Paolini, M. Romano, M. Presta, P. Bergese. *Biomater Sci.* 2019 Dec 17;8(1):39-63. <http://dx.doi.org/10.1039/c9bm01007f>.

Repository link: <https://iris.unibs.it/handle/11379/526980>

3. Biological membranes in EV biogenesis, stability, uptake, and cargo transfer: an ISEV position paper arising from the ISEV membranes and EVs workshop. Russell AE, ..., P. Bergese, ... , Marca Wauben et al. *J Extracell Vesicles.* 2019 Nov 8;8(1):1684862.

<https://doi.org/10.1080/20013078.2019.1684862>

Repository link: <https://iris.unibs.it/handle/11379/526637>

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 Sept. 4;9: 1900339.

<https://doi.org/10.1002/admt.201900339>

Repository link: <http://zenodo.org/record/3352780#.XZHEh1Uzapo>

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.* 2018 Dec 16;7(12)..

<https://www.mdpi.com/2073-4409/7/12/273>

Repository link: <http://hdl.handle.net/11379/515026>

### Research data dissemination:

1. -Keynote speaker, Annalisa Radeghieri, at International Conference on Bioengineering and Cell Therapy, 21 September 2018, University of Brescia, Italy.
2. -Invited talk at Membrane Biophysics of Exo-Endocytosis: From Model Systems to Cells. 3-6 April 2019 Mandelieu la Napoule (France). Debora Berti.
3. -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 Nejsun.

4. -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.
5. Oral presentation. Mini-workshop on Extracellular Vesicles: from biophysical properties to therapeutic applications. Area Science Park Padriciano, 11 April 2019. Organized by EXOTHERA project. "evFOUNDRY: the extracellular vesicle foundry". Lucia Paolini.
6. Oral presentation. Towards an innovation hub on extracellular vesicles research. Consiglio Nazionale delle Ricerche, Area della Ricerca di Milano, MILANO Auditorium 9 May 2019. "evFOUNDRY: the extracellular vesicle foundry". Paolo Bergese.
7. Poster Communication. ISEV2019, 24-28 April 2019, Kyoto (Japan). "evFOUNDRY: the extracellular vesicle foundry". Lucia Paolini, Martijn van Herwijnen.
8. -Lecture at ISEV2019, 24-28 April 2019, Kyoto (Japan). "Therapeutic Potential of Milk EVs" during the educational day of the ISEV2019. Martijn van Herwijnen
9. -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
10. -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
11. -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
12. -Oral presentation at 9<sup>th</sup> 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.
13. -Oral presentation at Swedish Microfluidics in Life Science 2019, June 2019, Gothenburg (Sweden). "Electrokinetic deterministic lateral displacement". Bao D. Ho.

14. -Oral presentation at 13th International Symposium on Electrokinetics, 12-14 June 2019, Boston (USA). "AC electrokinetics in a deterministic-lateral-displacement device". Hywel Morgan
15. -Oral presentation at 21st International Vacuum Conference (IVC-21), July 2019, Malmö (Sweden). "Cell sorting using Electrokinetic Deterministic Lateral Displacement". Bao D. Ho
16. -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
17. -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.
18. -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
19. -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.
20. -Research seminar, National University of Singapore (NUS), Dept. of Pharmacy, 30 July 2019, Singapore. Paolo Bergese. Host: Prof. Rachel Ee
21. Oral Presentation at 33<sup>rd</sup> Conference of the European colloid and interface society (ECIS), 8-13 September, Leuven (Belgium). "Nanostructured Materials interacting with Synthetic and Natural Lipid Mesophases: Challenges and Opportunities". Debora Berti.
22. Invited talk at 14th Multinational Congress on Microscopy, 15-20 September, Belgrade. Francesco Valle.
23. Invited talk at NanoScientific Forum Europe, 11-13 September, "Nanomechanics of liposomes and extracellular vesicles". Francesco Valle.
24. -Poster communication at 1st annual meeting in The Danish Society of Extracellular Vesicles (DSEV) held in Aarhus, Denmark. 3rd October 2019. Anne Borup

25. -Oral presentation at 1st Lugano ExoDay on: "EV subpopulations fingerprinting by Fourier-transform Infrared (FT-IR) spectroscopy", 25th October 2019 Lugano (Switzerland). Lucia Paolini
26. Poster communication at 23rd International Conference on Miniaturized Systems for Chemistry and Life Sciences ( $\mu$ TAS 2019), 27-31 October 2019, Basel (Switzerland). "Tuning deterministic lateral displacement with AC electrokinetics". Hywel Morgan
27. Poster communication at 23rd International Conference on Miniaturized Systems for Chemistry and Life Sciences ( $\mu$ TAS 2019), 27-31 October 2019, Basel (Switzerland). "Viable/Non-Viable Cell Assay Using Electrokinetic Deterministic Lateral Displacement". Bao D. Ho
28. Oral presentation at 23rd International Conference on Miniaturized Systems for Chemistry and Life Sciences ( $\mu$ TAS 2019), 27-31 October 2019, Basel (Switzerland): "The Separation Of Nano-Sized Particles In Micro-Scaled Post Arrays"; Jason P. Beech
29. -Keynote, Peter Nejsum. @ 1st EVIta symposium. "A new level of complexity in host-parasite interaction – extracellular vesicles". Palermo, 6<sup>th</sup> Nov 2019
30. -Oral presentation at 1st EVIta symposium. "Projecting extracellular vesicles in two dimensions". Palermo, 6<sup>th</sup> Nov 2019. Paolo Bergese
31. -Oral presentation at 1st EVIta symposium. Palermo, 6<sup>th</sup> Nov 2019. "Nanomechanics of individual extracellular vesicles". Marco Brucale.
32. -Poster communication at 1st EVIta symposium. Palermo, 6<sup>th</sup> Nov 2019. Lucia Paolini.
33. -Keynote, Paolo Bergese at Science through Scanning Probe Microscopy. Bologna, 21-22 Nov 2019
34. -Poster communication at The UK Society for Extracellular Vesicles (UKEV) in London, UK, 10th December 2019. "Continuous microfluidic separation of extracellular vesicles from biological samples". Richard Gillams
35. -Poster communication at Workshop "Bill2019" Grenoble, France, 11th-13th December 2019. "Nanomechanical properties of synthetic and natural lipid bilayers through Atomic Force Microscopy (AFM): from Supported Lipid Bilayers (SLBs) to vesicles". Andrea Ridolfi
36. Poster communication at ISEV Workshop: Open, Reproducible and Standardized EV Research. 2-3 December 2019, Ghent, Belgium. "EV-Hub: a multi-laboratory hub for extensive characterization of extracellular vesicles". Annalisa Radeghieri.

37. Oral presentation at NANO-DAY IV, December 11-14, 2019 – Univ. Milano-Bicocca, Italy. “Exploiting blood nanoparticles for augmented pathogenesis Identification”. Annalisa Radeghieri/Lucia Paolini.