

Paolo BERGESE – CV

Paolo Bergese, after a full marks MSc in Physics (Torino Un.) and a Ph.D. in Materials Engineering (Brescia Un.), moved in and grew up as a scientist at the bio-nano frontier, where he realized colloid and surface chemistry can raise and answer original biological questions. Today he is Full Professor of Chemistry at the University of Brescia, Associate Researcher at the Institute for Research and Biomedical Innovation of the National Research Council (CNR) and member of the Italian Center for Colloid and Interface Science (CSGI).

In 2010 and 2012 he has been visiting Professor at the Massachusetts Institute of Technology (MIT). Totally fascinated by biogenic (extracellular) nanoparticles, he funded and heads the bioCSI – biogenic colloid surfaces and interfaces – lab at the Dep. of Molecular and Translational Medicine at the University of Brescia; a multidisciplinary team featuring one of the first stories of integration of chemistry, nanotechnology and molecular biology in extracellular vesicle research. He also established within the Center for Colloids and Surface Science (CSGI, <https://www.csgi.unifi.it/>), with Debora Berti (Un. Of Florence), Francesco Valle (CNR, Bologna), Marina Cretich (CNR, Milano) and Pietro Parisse (CNR) a lab network with the critical know how and facilities for advanced physicochemical characterization of extracellular nanoparticles.

His scientific contribution is internationally recognized, counting +90 papers in peer reviewed journals (with +9000 citations). In the last 10 years he has coordinated research projects, granted in the framework of national and international competitive calls, for a total budget of +8 M€ and participated to other research projects for a total budget +4 M€. Altogether, these activities have brought +3.5 M€ of extramural funding to his lab and institutions. (among the coordinated projects worth of note are the Horizon 2020 FET projects: evFOUNDRY – The extracellular vesicle foundry (<http://www.evfoundry.eu/>, closed in 2022) and BOW – Biogenic Organotropic Wetsuits (<https://www.bowproject.eu/>, ongoing)

As a student, he received in 2002 the European Materials Research Society (E-MRS) Young Scientist Award for research on Micro- and Nanocomposites. He has tutored +60 BSc, MSc, Ph.D. and post-doc students. In the present academic year, he is Secretary General of the MSc Degree in Medical Biotechnology, teaches General Chemistry (BSc in Biotechnology and School of Pharmacy), Nanochemistry (MSc in Medical Biotechnology), Pharmaceutical nanotechnology (School of Pharmacy) and is responsible for the integrated course of Principles of Biology and Biomedicine (BSc and MSc in Electrical and in Mechanical Engineering). He is also Secretary General of the Ph.D. School in Precision Medicine.