

Giuliano Zanchetta [REDACTED]

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My research activity lies at the interface of soft matter, biophysics, optics and biomedical sciences.

My main interests concern biosensing, DNA self-assembly and interactions, liquid crystals and the yielding properties of soft materials.

EDUCATION

- 2007 PhD in Physics, Astrophysics and Applied Physics
University of Milano (Italy)
- 2004 Master degree in Physics – summa cum laude
University of Milano (Italy)

CAREER

- Since 2020: Professore Associato in the Department of Medical Biotechnologies and Translational Medicine – University of Milano (Italy)
- 2012-2020: Ricercatore a Tempo Determinato A (2012-2017) and B (2017-2020) in the Department of Medical Biotechnologies and Translational Medicine – University of Milano (Italy)
- 2011-2012: Postdoc in the Department of Physics – University of Fribourg (Switzerland)
Experimental investigation of gel stability with rheology and space- and time-resolved light scattering in collaboration with Procter & Gamble research centers in Bruxelles (Belgium) and Cincinnati (USA).
- 2007-2011: Postdoc in the Department of Chemistry, Biochemistry and Medical Biotechnologies – University of Milano (Italy)
Experimental investigation of ordered phases and molecular superstructures in oligonucleotide solutions
- 2006-2008 (9 months total): Visiting Scholar at the Liquid crystal materials research center – Department of Physics - University of Colorado, Boulder (USA).

RESULTS

35+ publications in peer-reviewed journals (18 as first/second/corresponding author; 950+ Scopus citations);
14 invited talks and seminars in international conferences and centers.

AWARDS

- “Glenn H. Brown Prize” for the best PhD thesis assigned by the Int. Liquid Crystal Society.
- “Honorable mention” in the scientific microphotography contest Olympus Bioscapes.
- “Premio ricerca e internazionalizzazione” prize assigned by Regione Lombardia.
- “Image of distinction” in the scientific microphotography contest Nikon Small World.
- Cozzarelli Prize for the best 2018 PNAS paper, class III Engineering and Applied Sciences