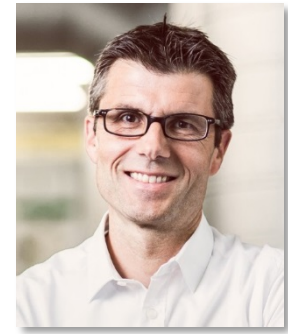


Curriculum Vitae

Prof. Dr. phil. II habil. Dario Anselmetti

*09.04.1963 in Basel (Switzerland), married, three children
lives in Werther / Westf. (Germany)



Professional Coordinates

Bielefeld University, Faculty of Physics

Full Professor and Chair in *Experimental Biophysics & Applied Nanoscience*

Funding Director and member of *Bielefeld Institute for NanoScience (BINAS)*

Member of the *Center for Interdisciplinary Material Science and Technology Development (CiMT)*

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Data Management & Social Networking in Science

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Career Track & Research Statement

Dario Anselmetti holds the chair in *Experimental Biophysics and Applied Nanoscience* in the Department of Physics at Bielefeld University (Germany). He obtained his academic degree in Physics, Mathematics and Astronomy 1987 from Basel University (Switzerland). After receiving his PhD in the field of scanning probe microscopy and nanophysics in 1990 (Prof. Dr. Hans-Joachim Güntherodt), he went as a postdoc to the IBM Research Laboratories in Rüschlikon/Zurich (Prof. Dr. Heini Rohrer, Nobel prize winner in physics, 1986). After a postdoc position at the Institute of Physics at Basel University where he was project leader of an interdisciplinary biosensor project with the industrial partner Hoffmann-La Roche, he joined 1994 the research department of Novartis (former Ciba-Geigy) where he worked for five years as a senior research associate and project leader in nanotechnology and biophysics. After co-managing the Solvias spin-off company in Basel 1999, he returned to academia, taking up his current position in 2000. Dr. Anselmetti has authored over 200 scientific publications (231 publications, h-index (ISI) = 37, >5800 citations, >30 citations/paper) and several patents in the field of single molecule biophysics, single cell analysis, scanning probe methods, single molecule force spectroscopy, micro- and nanofluidics, lab-on-a-chip, optical tweezers, nanopores and nanophotonics. He is a *Novartis Leading Scientist* prize winner (1998) and was appointed as a member of the North Rhine-Westphalian Academy of Sciences, Humanities and the Arts in Düsseldorf (2005).

Teaching Statement

Comprehensive teaching, the direct contact to students and the communication of science at all levels like in invited public talks and newspaper articles are eminent aspects for Dario Anselmetti. During his career in industry in the 90s, he finished his habilitation in 1998 in Experimental Solid-State Physics at University of Basel, formally receiving *his right to teach* at a University (*venia legendi*). This formal step was legitimating previous teaching activities as a supply teacher in "his" home gymnasium during the years of his academic studies (physics and mathematics courses, Unter-/Oberstufe), as well as a substitute docent of his Ph.D. advisor in teaching courses at the undergraduate and graduate level. In Bielefeld, he is the founder of the teutolab-PHYSIK, where young learners with their classes (age group 9-13) can attend a morning in a dedicated University classroom laboratory practicing basic physics experiments from everyday life. Since its inauguration in 2003 with a frequency of three times per week, more than 40'000 scholars have already attended the courses (always with extremely positive feedback). They are trained in small classes by supervising teaching students and future school teachers, gaining their first hands-on experience in the field of teaching.

At the University, his main teaching interests are the introductory courses in physics (1-4) at the undergraduate level (with lots of experiments ...), as well as his biophysics courses (1-3) at the

advanced graduate level. Especially the regular excursions in the last introductory courses (e.g. to the Physikalisch-Technische Bundesanstalt (PTB) in Braunschweig and to the Deutsche Elektronensynchrotron (DESY) in Hamburg) attracts lots of interest by his students. The appreciation of these courses by the students is documented by numerous student course evaluations, as well as a special student prize award ("*Goldene Kreide*") for the best introductory course (physics) of the natural sciences faculties in the year 2002/2003.

Alumni Career

The Biophysics group has created numerous academic offspring, where more than 100 alumni finishing with bachelor (>26), master (28), diploma (42), Ph. D. (27) or habilitation (3) degree and started their academic career in Bielefeld. Presently, they are now working as (bio)physicists in industrial companies (Carl-Zeiss, BASF/Elastogran, Ford, Harting, Xell, LaVisionBiotec, DEKRA, Bruker/JPK, PlasmidFactory, Knorr, Alere Technologies, ...), as medical physicists in clinical hospitals (Bielefeld, Braunschweig, Würzburg, ...), as patent attorneys in patent offices (Epping-Hermann-Fischer, ...), teachers in high schools (Bielefeld, Paderborn, Halle, Erkelenz, ...), scientists in private and governmental research institutions (XEROX Palo Alto Research Center, Alfred-Wegener-Institute for Polar and Marine Research, DESY, Forschungszentrum Jülich, Max-Planck-Institute Potsdam, ...) or as professors at universities in Germany and abroad (Arizona State University in Tempe, Arizona (USA) and Jakobs-University in Bremen). An overview can be found on <https://www.physik.uni-bielefeld.de/biophysik/alumni.html>.

Education

1998	Habilitation in Experimental Physics at University of Basel
1990	Dissertation in Experimental Physics at University of Basel
1987	Diploma degree in Physics at University of Basel

Professional Career

Since 2000	Full professor of Experimental Physics and Applied Nanoscience at Bielefeld University
1998–2000	Lecturer for Experimental Physics at the Institute of Physics at University of Basel
1994–2000	Senior Research fellow and project manager at Ciba-Geigy Ltd., Novartis Ltd. and Solvias Ltd. in Basel (Switzerland)
1992–1994	Senior research fellow at the Institute of Physics at University of Basel
1990–1992	Research associate at the IBM Research Laboratory Zurich in Rüschlikon (Switzerland)

Awards

1998	<i>Novartis Leading Scientist</i> award winner
2005	Appointed full member of the North Rhine-Westphalian Academy of Sciences, Humanities and the Arts

Memberships

- Member of the North Rhine-Westphalian Academy of Sciences, Humanities and the Arts
- Member of the Biophysical Society (USA)
- Member of the German Physical Society (DPG)
- Member of the Swiss Physical Society (SPG)
- Member of the German Society for Biophysics (DGfB)
- Member of the Swiss Society for Optics and Microscopy (SSOM)

Administrative Experience and Additional Information

- 2002–2012 Director and principal investigator of the interdisciplinary Collaborative Research Center CRC 613 (SFB 613) "*Physics of single molecule processes and molecular recognition in organic systems*" at Bielefeld University
- Since 2004 Founding director and principal investigator of the Bielefeld Institute for Nanoscience (BINAS) at Bielefeld University
- Since 2017/2019 Vice-Dean/Dean of the Faculty of Physics of Bielefeld University
- 2006–2011 Member of the Finance Council of Bielefeld University
- 2003–2006 Member of the Research Council of Bielefeld University
- Since 2012 Editorial member of Journal of Nanobiotechnology
- Since 2003 Founding director of the teutolab-PHYSIK – an experimental children science laboratory at Bielefeld University.