



Maurizio Mattarelli

He received his PhD degree in Physics in 2004 from the University of Trento, Italy. He later joined the University of Perugia, Italy in 2013, where he is now associate professor of experimental physics of matter and teaches courses on optics and biophotonics.

His work, defined by a multidisciplinary approach, lies at the crossroads of physics, biology, and nanotechnology. He focuses on the use of non-invasive optical techniques to study and characterize biological systems, leveraging light-based technologies to advance the life sciences. His recent scientific interests include: (1) developing microscopy and spectroscopy methods to investigate micromechanics at the single-cell and tissue levels, a key aspect of mechanobiology, and (2) creating imaging and spectroscopy devices for applications in both biomedical and environmental fields.

He has co-authored over 100 papers in international peer-reviewed journals and has supervised several Master's and Ph.D. students. He has been involved in several national and European research projects, including as Principal Investigator.

Details at:

<https://www.unipg.it/personale/maurizio.mattarelli>

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