

Miranda Parisi

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Education & experience

University of Roma Tre, Rome, Italy <i>PhD in Science of Matter and Nanomaterials</i>	Jan 2024 – Dec 2026
University of Roma Tre, Rome, Italy & Universitas Mercatorum, Rome, Italy <i>Research in Photonics</i>	Feb 2022 – Oct 2023
University of Roma Tre, Rome, Italy <i>Master Degree in Biomedical Engineering (LM-21)</i>	Oct 2019 – Dec 2021
University of Roma Tre, Rome, Italy <i>Bachelor Degree in Biomedical Engineering (L-8)</i>	Oct 2016 – Dec 2019

Publications

Super-resolution optical imaging of bacterial cells	2022
Miranda Parisi , Massimiliano Lucidi, Paolo Visca and Gabriella Cincotti <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 29, 4: Biophotonics, 1-13, IEEE	
An image processing-based quantification of gram variability in <i>Acinetobacter baumannii</i>	2023
Sofia Canciello, Miranda Parisi , Massimiliano Lucidi, MPaolo Visca and Gabriella Cincotti <i>Microscopy Research and Technique</i> , 86, 3, 378-382, Wiley Online Library	
Expanding the microbiologist toolbox via new far-red-emitting dyes suitable for bacterial imaging	2024
Massimiliano Lucidi, Giulia Capecechi, Daniela Visaggio, Tecla Gasperi, Miranda Parisi , Gabriella Cincotti, Giordano Rampioni MPaolo Visca and Kirill Kolmakov <i>Microbiology Spectrum</i> , 12, 1, e03690-23, "American Society for Microbiology"	
Chiral Gold Nanoparticles via L-or D-Cysteine Functionalization: Synthesis and Characterization	2025
Marco Ranaldi and Miranda Parisi , Chiara Battocchio, Giovanna Iucci, Ivan Khalakhan, Ilaria Fratoddi, Sara Cerra, Claudia Fasolato, Sveva Grande, Alessandra Palma, Ilaria Gianani, Marco Barbieri and Iole Venditti <i>ChemPlusChem</i> , 90, 9, e202500027	
Photon-starved polarimetry via functional classical shadows	2025
Matteo Rosati, Miranda Parisi , Lidia Sansoni, Eleonora Stefanutti, Andrea Chiuri and Marco Barbieri <i>AVS Quantum Science</i> , 8, 1, AIP Publishing	
Controlling sloppiness in two-phase estimation with a tunable weak measurement	2025
Gabriele Bizzarri, Miranda Parisi , Mylenne Manrique, Ilaria Gianani, Andrea Chiuri, Matteo Rosati, Vittorio Giovannetti, Matteo GA Paris and Marco Barbieri <i>Optica Quantum</i> , 3, 5, 432-438, Optica Publishing Group	
Faithful and secure distributed quantum sensing under general-coherent attacks	2026
Gabriele Bizzarri, Marco Barbieri, Mylenne Manrique, Miranda Parisi , Fabio Bruni, Ilaria Gianani and Matteo Rosati <i>npj Quantum Information</i> , 12, 1, 33, Nature Publishing Group UK London	
Bayesian stepwise estimation of qubit rotations	2026
Mylenne Manrique, Marco Barbieri, Assunta Di Vizio, Miranda Parisi , Gabriele Bizzarri, Ilaria Gianani and Matteo GA Paris <i>AVS Quantum Science</i> , 8, 2, AIP Publishing	