

Winter School

within the 19th Photonics Workshop



BioQantSense Winter School

08-12 March 2026, Kopaonik, Serbia

Speakers

Riccardo Cicchi - National Institute of Optics (INO), CNR, Florence, Italy
Autofluorescence label-free high-contrast imaging of tumor margins in freshly excised gastro-intestinal biopsies

Frank Setzpfandt - Abbe Center of Photonics, FSU Jena
Quantum sensing with photon pairs

Giacomo Mazzamuto – CNR INO, Florence, Italy
Imaging neural tissue with Light-Sheet Fluorescence Microscopy A progress update

Peter Galajda - Biological Research Centre, Szeged, Hungary
Photonics and Microbiology

Francesco Riboli - National Institute of Optics, CNR & LENS, Florence, Italy
Optical limiter and isolators in nonlinear multilayer photonic systems

Marija Ćurčić – Institute of Physics Belgrade, Serbia
Integrating Classical Microscopy Concepts into Quantum Imaging with Undetected Light: Progress, Challenges and Perspectives

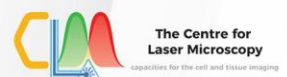
Sara Nocentini - National Institute of Metrological Research (INRiM), Italy
Reconfigurable optical and magnetic unclonable functions

Francesca Torrini - National Institute of Optics (INO), CNR, Florence, Italy
Butterfly-like microfluidic chip integrating a 3D-printed biomimetic scaffold for multimodal in vitro optical analysis of neuronal system

Filip Krajinić – Institute of Physics Belgrade, Serbia
Quantum interferometry with undetected photons in mid-infrared spectrum



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Lóránd Kelemen - Biological Research Centre, Szeged, Hungary
Biophysics with polymer microtools prepared and driven by light

Arne Wickenbrock - Johannes Gutenberg Universitaet Mainz, Germany
Biomedical application of diamond-based quantum sensing

Ana Jakovljević – Faculty of Biology, Institute of Physiology and Biochemistry
“Jean Giaja”, Belgrade, Serbia
Holographic and Nonlinear Microscopy for Investigating Glial Cell
Morphology

Branislav Jelenković – Institute of Physics Belgrade, Serbia
Overview of scientific results - impacts, innovations, outcomes

Giulia Adembri - CNR INO, Florence, Italy
BioQantSense: Management Approaches and Lessons Learned from a
WIDERA Twinning Project at the Institute of Physics Belgrade