



# Summer School “BioBrillouin for MechanoBiology: Materials, Methods and Perspectives”

6-9 July 2025, Perugia, Italy

The proposed school will focus on advanced microscopy and spectroscopy techniques, in particular on Brillouin spectroscopy and its applications in studying the mechanical properties of cells and tissues.



The program will provide an immersive learning experience, fostering a multidisciplinary environment for students and early-career researchers from physics, engineering, biology, and medicine.

## Invited speakers:

- Prof. **Kareem Elsayad** (Lab Leader - Medical University of Vienna (AT))
- Prof. **Daniele Fioretto** (Professor University of Perugia) (IT)
- Dr. **John R Sandercock** (JRS Scientific Instruments) (CH)
- Prof. **Maurizio Mattarelli** (Professor University of Perugia) (IT)
- Prof. **Francesca Palombo** (Professor of Biomedical Spectroscopy in Physics University of Exeter) (UK)
- Prof. **Giuliano Scarcelli** (Professor at the University of Maryland) (USA)
- Prof. **Giorgio Scita** (Professor Department of Oncology and Hemato-Oncology University of Milan & IFOM) (IT)
- Prof. **Thomas Dehoux** (Research scientist Institut Lumière Matière) (FR)
- Prof. **Claudio Canale**, Professor - University of Genova (IT)

Moreover, leading companies in the field (JRS-Optical Instruments, CellSense, Specto photonics) will showcase their latest instruments, offering on-site demonstrations of cutting-edge technologies.



## Organizing Committee:

- Dr. Silvia Caponi, CNR, Perugia, Italy
- Prof. Maurizio Mattarelli, University of Perugia, Italy
- Prof. Daniele Fioretto, University of Perugia, Italy
- Dr. Francesco Bonacci, University of Perugia, Italy
- Dr. Alessandra A. Passeri, University of Perugia, Italy

Registration before 15th June 2025



More information at:  
<https://lab-ics.com/school>

