



Romanian Academy
Institute of Biochemistry



University of Bucharest
Research Institute



University of Bucharest
Faculty of Physics



9.00 - 14.00, Friday, May 15th, 2026

Workshop

Current Topics in Molecular Biosciences

- 09.35 - 09.50 Gebhard Schertler *Structural Biology of Membrane Proteins, PSI, CH*
Probing Rhodopsin dynamics with time resolved crystallography on synchrotrons and Free Electron Lasers
- 09.50 - 10.05 Ching-Ju Tsai *Laboratory of Biomolecular Research, PSI, CH*
Light-sensitive GPCR-G protein signaling — What we have learned from the structures
- 10.05 - 10.20 Gabriela Popescu *Buffalo University, USA*
Dynamic Calcium Permeability of NMDA receptors
- 10.20 - 10.35 Kalina Hristova *Johns Hopkins University, USA*
Signaling events at the cell surface
- 10.35 - 10.50 Valerica Raicu *University of Wisconsin, USA*
Methods and techniques for studying molecular interactions collectively or a few at a time
- 10.50 - 11.05 Laurentiu Spiridon *Institute of Biochemistry of the Romanian Academy*
Improving Parallel Tempering with Robosample
- 11.05 - 11.20 Liviu Movileanu *Syracuse University, USA*
Bioinspired Nanopore Sensors Using Antibody Mimetic Technologies
- 11.20 - 11.40 Coffee Break
- 11.40 - 11.55 Kota Katayama *Nagoya Institute of Technology, JP*
Structure-guided molecular basis of wavelength selectivity in primate cone visual pigments
- 11.55 - 12.10 Kento Watanabe *Nagoya Institute of Technology, JP*
Infrared spectroscopic study of the molecular basis of negative allostery in muscarinic receptors
- 12.10 - 12.25 Ioana-Daniela Dumitru, *Faculty of Physics, University of Bucharest*
Conformational dynamics of the Basigin-MCT1 complex
- 12.25 - 12.40 William C. Wimley, *Tulane University, USA*
Synthetic Evolution of Host-compatible Peptide Antibiotics
- 12.40 - 12.55 Mariana Pinteală, *“Petru Poni” Institute of Macromolecular Chemistry, Iasi*
BioMat4CAST: Advancing the Future of Chemistry
- 12.55 - 14.00 Pizza, Networking, Visiting IBAR labs

Venue: The Seminar Hall of the Institute of Biochemistry
Splaiul Independentei 296