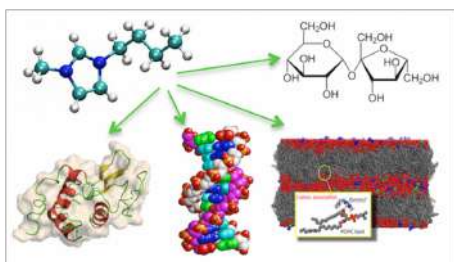
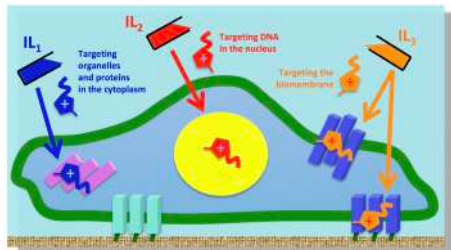


BIONS 2025

International Workshop on Biophysics of Ionic Liquids



Saturday 5th July 2025
Lecture Hall 1, Science
Department, URomaTre
Viale Guglielmo Marconi 446,
00146, Rome

Program:

- **9.00 Welcome**, Antonio Benedetto (BIONS 2025 Chair)
- **9.15 Ionic Liquid Toxicity: A Molecular View by NMR**
Venus Mithu (MPI for Multidisciplinary Sciences, Göttingen, DE)
- **9.45 What Do We Study When We Study Cytotoxicity? Lessons From Ionic Liquids**
Ksenia Egorova (Zelinsky Institute of Organic Chemistry, Moscow, RU)
- **10.15 Impact of Ionic Liquids on Cancer and Normal Cell Mechanics**
Jiajia Wei (University College Dublin, Dublin, IE)
- **10.30 Cutting-Edge Strategies in Biologics: Enhancing Developability, Stability, and Therapeutic Efficacy of Antibodies**
Veysel Kayser (University of Sydney, Sydney, AU)
- **11.00 Coffee Break @ an Authentic Italian Caffe Bar**
- **11.15 Modulation of Amyloid Aggregation of Globular Proteins by Ionic Liquids – The Role of Anions and Cations**
Diana Fedunova (Slovak Academy of Sciences, Kosice, SI)
- **11.45 Experimental Quantification of Interaction of Ionic Liquids With a Lipid Monolayer**
Sajal K Ghosh (Shiv Nadar Institution of Eminence, Delhi, IN)
- **12.15 The Role of Ionic Liquid Chain Length in Its Interaction with Lipid Rafts**
Alyona Yedelkina (University College Dublin, Dublin, IE)
- **12.30 Breaking Barriers: Ionic Liquids as Game Changers in Transdermal Drug Delivery?**
Ferdinand Fandrei (Lund University, Lund, SE)
- **12.45 Biophysical Study of the Protective Nature of Lipopolysaccharide in Bacterial Membrane Against Ionic Liquids**
Ajit Seth (Shiv Nadar Institution of Eminence, Delhi, IN)
- **13.00 Closing Remarks & Outlook for the Future**
Antonio Benedetto (BIONS 2025 Chair)
- **14.00 BIONS 2025 Lunch @ Trattoria Pecorino in Testaccio**
Via Galvani n. 64, 00153 Roma
- **16.00 BIONS 2025 Walking City Tour of Rome & ice-cream**
(Comfortable shoes, a hat & sun-cream are advised/suggested)