KEMIJSKI INŠTITUT

IC|CI CNR Istituto di Cristallografia

Mini symposium at establishment of a collaboration between National Institute of Chemistry (NIC) and Institute of Crystallography (IC), CNR

May 7, 2025

Grand lecture hall, National Institute of Chemistry, Ljubljana

Also available with remote connection:

https://ki-ljubljana.webex.com/ki-ljubljana/j.php?MTID=mcb6c58552e0b71422af6076c3cf7cabe

Meeting number: 2787 217 4631

Programme

10.00 **Welcome and short presentation of institutes by the Directors**
Gregor Anderluh (NIC) and Cinzia Giannini (IC)

10.15 **Insights in the molecular and structural basis of dystroglycanopathies**
Alberto Cassetta (IC)

10.40 **A Detailed Examination of Interactions Between Actinoporins and Lipids**
Gašper Šolinc (NIC)

11.05 **Sar study of the human host-defence peptide ll-37**, Andrea Caporale (IC)

11.30 **Mechanistic Insights into the Dynamics of an Antibiotic Target Revealed by NMR relaxation,** Iza Ogris (NIC)

12.00 – 13.00 Coffee break, snacks

13.00 **Building the Framework for HK1-VDAC1 Interaction Site Mapping: Early Insights into Metabolic Adaptation and implications for Cell Fate**, Marianna Flora Tomasello (IC)

13.25 **Vibrational spectroscopy in biomedical research on diabetes-related changes in body tissues**, Barbara Zupančič (NIC)

13.50 **DeLA-Drug: an AI-based algorithm for the automatic generation of focused libraries**
Giuseppe Mangiatordi (IC)

14.15 **Leveraging multiscale simulations to investigate the functioning of biological systems**
Jure Borišek (NIC)

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