

Structural Biology Meeting @Instruct-IT

20 October 2026

📍 Sesto Fiorentino, Via L. Sacconi 6 ([CERM-UNIFI](#))

Agenda

- **10:45-10:50** Lucia Banci (University of Florence)
 - **Welcome**
- **10:50-11:10** Beatrice Vallone (University of Rome 'La Sapienza')
 - ***Structural dynamics of HER3 paves the way to mechanism based drug design***
- **11:15-11:35** Winfried Weissenhorn (Institut de Biologie Structurale)
 - ***Cleaving membrane necks with ESCRT-III and VPS4***
- **11:40-12:00** Harald Schwalbe (Goethe University Frankfurt; Instruct-ERIC Director)
 - ***4D structural biology: using light as trigger to understand protein, RNA, and DNA refolding***
- **12:05-12:15** Roberta Pierattelli (University of Florence)
 - ***Introduction to CERM/CIRMMP, Instruct-IT***
- **12:15-13:45** **Laboratory Visit & Lunch**
- **13:45-14:05** Barbara Zambelli (University of Bologna)
 - ***The disordered tail of NDRG1 in lung cancer: from molecular interactions to small molecules***
- **14:10-14:30** Jiri Novacek (CEITEC Masaryk University)
 - ***Plum Pox Virus structure and stabilization of virus-like particles***
- **14:35-14:55** Alessandro Piai (IRBM SpA)
 - ***A Ligand-Observed NMR Strategy for Hit Discovery and Qualification: the SARS-CoV-2 NSP13 Case Study***
- **15:00-15:20** Michael Assfalg (University of Verona)
 - ***Structural insights into tau ubiquitination***
- **15:25-15:45** Enrico Luchinat (University of Florence)
 - ***NMR in living human cells: applications to protein conformation and ligand binding***
- **15:50-16:05** **Coffee Break**
- **16:05-16:25** Linda Cerofolini (University of Florence)
 - ***NMR for the characterization of challenging biotherapeutics: antibodies, enzymes, and metallo-enzymes***
- **16:30-16:50** Marco Schiavina (University of Florence)
 - ***Broadening the NMR view by narrowing the linewidth: exploring Intrinsically Disordered Proteins and their interactions***
- **16:55-17:15** Matteo Tassinari (Human Technopole)
 - ***Molecular Mechanism of Thyroid Hormone Transport by MCT8 and MCT10***
- **17:20-17:40** Antonio Rosato (University of Florence)
 - ***Applications of machine learning and molecular dynamics simulations to the investigation of metalloproteins***
- **17:45-17:50** Lucia Banci (University of Florence)
 - **Closure Remarks**