

# Instruct-ing Structural Biologists Towards Integration

18-21 July 2022

## Program

### *Day 1 (morning only)*

10:00-13:00 - Massimiliano Bonomi Integrative modeling including Cryo-EM in molecular dynamics simulations

Data will be provided for the participants to reproduce the calculations

### *Day 2 (morning only)*

10:00-13:00 - Enrico Ravera Combining high resolution x-ray data with NMR using REFMAC

Data will be provided for the participants to reproduce the calculations

### *Day 3 (morning only)*

10:00-13:00 - Dina Schneidman-Duhovny Low resolution structural data integration and deep learning

Data will be provided for the participants to reproduce the calculations

### *Day 4*

- Christian Tarchi - Psychological aspects of Learning (20 minutes + examples)
- Antonio Rosato - Structural Biology data in the EOSC context
- Lucia Banci - Introduction about the role of large-scale research infrastructures/ERICs (10-15 minutes) + Highlight lecture #1 (20 minutes + discussion)
- Alexandre Bonvin - Highlight lecture #2 (20 minutes + discussion)
- (tbc) - Highlight lecture #3 (20 minutes + discussion)
- David Stuart - Highlight lecture #4 (20 minutes + discussion)
- Andrej Sali - Highlight lecture #5 (20 minutes + discussion)
- Angela Gronenborn - Highlight lecture #6 (20 minutes + discussion)
- Sandra Mitchell - Philosophical aspects of Integration of different data sources in Science (30 minutes + discussion)