

Integrative Structural Biology Symposium



Report of Contributions

Contribution ID: **1**

Type: **not specified**

Welcome

Thursday, 14 November 2024 09:45 (15 minutes)

Contribution ID: 2

Type: **not specified**

Integrating NMR with cryo-EM to tackle dynamic protein complexes

Thursday, 14 November 2024 10:00 (30 minutes)

Presenter: KALODIMOS, Charalampos (St Jude Children's Research Hospital, USA)

Contribution ID: 3

Type: **not specified**

"Lifting" the curtain on the molecular architecture of extracellular matrix using cryo-electron tomography

Thursday, 14 November 2024 10:30 (30 minutes)

Presenter: SCHUR, Florian (Institute of Science and Technology, Austria)

Contribution ID: 4

Type: **not specified**

A Structural Perspective of the Pathological Threshold in Huntington's Disease

Thursday, 14 November 2024 11:30 (30 minutes)

Presenter: BERNADÓ,, Pau (Centre de Biochimie Structurale, France)

Contribution ID: 5

Type: **not specified**

Deciphering chromatin organization and key DNA repair processes in the radiation resistant bacterium, *Deinococcus radiodurans*, using an integrated structural and cell biology approach

Thursday, 14 November 2024 12:00 (30 minutes)

Presenter: TIMMINS, Joanna (Institute of Biologie Structurale, France)

Contribution ID: 6

Type: **not specified**

Beyond Structures: Deciphering the Regulatory Interplay between Cell-Wall Degrading Machineries and Bacterial Cell Division

Thursday, 14 November 2024 12:30 (30 minutes)

Presenter: HERMOSO, Juan (Institute of Physical Chemistry Blas Cabrera, Spain)

Contribution ID: 7

Type: **not specified**

Integrated Structural Biology Studies, focusing on RNA

Thursday, 14 November 2024 14:30 (30 minutes)

Presenter: SCHWALBE, Harald (University of Frankfurt, Germany)

Contribution ID: 8

Type: **not specified**

Invited talk

Thursday, 14 November 2024 15:00 (30 minutes)

Presenter: S. FERNÁNDEZ, Israel (Biofisika Institute, Spain)

Contribution ID: 9

Type: **not specified**

XFEL- and synchrotron-based serial crystallography studies of the membrane-bound proton pump cytochrome c oxidase

Thursday, 14 November 2024 15:30 (30 minutes)

Presenter: BRÄNDÉN, Gisela (University of Gothenburg, Sweden)

Contribution ID: **10**

Type: **not specified**

Cryogenic probes to enhance Solid-state NMR signal detection in Integrative Structural Biology: Applications to Protein Assemblies

Thursday, 14 November 2024 16:30 (30 minutes)

Presenter: MOMPEÁN, Miguel (Institute of Physical Chemistry Blas Cabrera, Spain)

Contribution ID: 11

Type: **not specified**

SymProFold: Structural prediction of symmetrical biological assemblies

Thursday, 14 November 2024 17:00 (30 minutes)

Presenter: PAVKOV-KELLER, Tea (University of Graz, Austria)

Contribution ID: 12

Type: **not specified**

Harnessing Synergy: NMR and Synchrotron Radiation Illuminate the DNA Damage Response

Friday, 15 November 2024 09:30 (30 minutes)

Presenter: DÍAZ, Irene (University of Sevilla, Spain)

Contribution ID: 13

Type: **not specified**

Shedding light onto the Protein Universe at unprecedented scales

Friday, 15 November 2024 10:00 (30 minutes)

Presenter: PEREIRA, Joanna (Biozentrum Basel, Switzerland)

Contribution ID: 14

Type: **not specified**

Unveiling the Molecular Bases of RNA Virus Replication Using Integrative Structural Biology

Friday, 15 November 2024 10:30 (30 minutes)

Presenter: VERDAGUER, Núria (Institute of Molecular Biology of Barcelona, Spain)

Contribution ID: 15

Type: **not specified**

Cryo Electron Microscopy and the new image processing methods to handle conformational and compositional heterogeneity

Friday, 15 November 2024 11:30 (30 minutes)

Presenter: CARAZO, José Maria (National Centre for Biotechnolgy, Spain)

Contribution ID: 16

Type: **not specified**

The T-REXX endstation on beamline P14 at PETRA III: working towards improving the accessibility of time-resolved macromolecular crystallography

Friday, 15 November 2024 12:00 (30 minutes)

The T-REXX endstation on beamline P14 at PETRA III: working towards improving the accessibility of time-resolved macromolecular crystallography

Presenter: PEARSON, Arwen (University of Hamburg, Germany)

Contribution ID: 17

Type: **not specified**

XAIRA beamline at ALBA: Advancing macromolecular crystallography with low background diffraction and micron-sized beam

Friday, 15 November 2024 12:30 (30 minutes)

Presenter: GARRIGA, Damià (ALBA Synchrotron Light Souce, Spain)

Contribution ID: **18**

Type: **not specified**

Announcements

Friday, 15 November 2024 13:00 (15 minutes)

Contribution ID: **19**

Type: **not specified**

Closing Remarks

Friday, 15 November 2024 13:15 (15 minutes)

Contribution ID: **20**

Type: **not specified**

Visit to ALBA beamlines

Friday, 15 November 2024 14:30 (1h 30m)