

Nancy Computational Structural Biology Meeting (NCSB)

July 9th, 2024

Program:

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- 9:30 - 9:45 **Welcome and introduction**
- 9:45 - 10:30 **Massimiliano Bonomi (Institut Pasteur, CNRS, Paris) - Protein structural ensembles from 3D and 2D cryo-EM data**
- 10:30 - 11:00 **Coffee break**
- 11:00 - 11:30 **Chris Chipot (Université de Lorraine, CNRS, LPCT, Nancy) - Modeling rare events. Discovering reaction pathways, slow variables, and committor probabilities with machine learning**
- 11:30 - 12:00 **Alessandra Carbone (Sorbonne Université, LCQB, Paris) - Sequence, structure and population allele frequency accurately predict mutational effects in proteins**
- 12:00 - 14:00 **Lunch and poster session**
- 14:00 - 14:30 **Lars Malmstrom (University of Zurich, Switzerland) - Using proteomics and digital twin modeling to predict sepsis patient outcomes**
- 14:30 - 15:00 **Elodie Laine (Sorbonne Université, LCQB, Paris) - Explaining Conformational Diversity in Protein Families through Molecular Motions**
- 15:00 - 16:00 **Coffee break and poster session**
- 16:00 - 16:30 **Sergei Grudinin (CNRS, LJK, Grenoble) - On the simplification of dynamics in molecular systems**
- 16:30 - 17:00 **Nicolas Soler (Université de Lorraine, Dynamic, Nancy) - DNA processing during conjugative transfer of ICEs from Firmicutes**

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