

HALF-DAY

AI in structural biology: What's next ?

November 12nd, 2024



Biologie structurale
et chimie

Institut Pasteur
Paris

Amphitheater Duclaux, 28 rue du Dr Roux, 75015, Paris
Free event with mandatory registration.

PROGRAM

13h10: Reception of participants

Session 1

13h30 **Jessica Andreani** (CEA, Saclay):
"Predicting macromolecular interaction networks in the light of evolution"

14h10 **Guillaume Bouvier** (Institut Pasteur, Paris):
"Decoding the protein puzzle: AI's developments in predicting stability and interactions"

14h50 **Horacio Guzman** (Universidad Autonoma de Madrid):
"Unraveling RNA Structure with Multiscale Modeling"

Coffee break

Session 2

15h40 **Simona Cocco** (CNRS, ENS-Ulm, Paris):
"Shallow generative models for RNA riboswitches"

16h20 **Bogdan Ciambur** (Institut Pasteur, Paris) :
"Virtual screening on the billion scale with Active Learning"

16h40 **Alessandra Carbone** (Sorbonne Université, Paris)
"Decoding protein interactions and mutational landscapes with deep learning based on sequences"

17h20 **Sergei Grudinin** (CNRS, Grenoble)
"Toward predicting continuous conformational heterogeneity"

18h Cocktail

Organisers: Benjamin Bardiaux & Max Bonomi, Department of Structural Biology and Chemistry, Institut Pasteur, Paris.

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