

Programme prévisionnel AMMIB du 20 Avril 2023

Institut de Biologie Intégrative de la Cellule, I2BC
 Amphi Bâtiment 21, 1 avenue de la Terrasse, 91190 Gif-sur-Yvette.



9:15 – 09:30	Introduction de la journée
9:30 – 9:50	Clément Fauchereau , I2BC, CNRS/CEA, Gif-Sur-Yvette (15' talk + 5' questions) <i>Artificial intelligence: overview and prospects</i>
9:50 – 10 :20	Mehdi Munim , Université Paris-Cité, Paris (25' talk + 5' questions) <i>Evaluation of the prediction of amyloid fibrillar structures by AlphaFold 2</i>
Pause	
10:50 – 11:20	Satya Prakash Tripathi , I2BC, CNRS/CEA, Gif-Sur-Yvette (15' talk + 5' questions) <i>AlphaFold assisted Structural insights into NOS: A computational biology perspective</i>
11:20 – 11:50	Ivan Reveguk , école Polytechnique (25' talk + 5' questions) <i>Classifying kinase structures using machine learning</i>
11:50 – 12:20	Thibault Tubiana , I2BC, CNRS, Gif-sur-Yvette (25' talk + 5' questions) <i>Molecular modelling, homo-oligomerisation and membrane interactions of hepatitis E virus pORF1 replication polyprotein</i>
Déjeuner	
13:50 – 14:00	Hommages Stéphane Abel & Jean Cognet
14:00 – 14:20	Thibaud Dieudonné , I2BC, CNRS, Gif-sur-Yvette (15' talk + 5' questions) <i>Cryo-EM investigation of the catalytic cycle of a human lipid transporter</i>
14:20 – 14:40	Neha Tripathi , I2BC, CNRS/CEA, Gif-Sur-Yvette (15' talk + 5' questions) <i>Study of the formation of a peptide corona around a plastic nanoparticle by molecular dynamics</i>
14:40 – 15:10	Jiang Yingmin , Université Paris Saclay, Orsay (25' talk + 5' questions) <i>Coarse-grained molecular dynamics simulations of liquid-liquid phase separation of intrinsically disordered proteins</i>
15:10 – 15:40	Cagla Okyay , Université Paris Saclay, Orsay (25' talk + 5' questions) <i>Coarse-grained modelling of ssDNA translocation through a protein nanopore</i>
Pause	
16:10 – 16:40	Liuba Mazzanti , Université Paris Saclay, Orsay (25' talk + 5' questions) <i>Understanding passive membrane permeation of peptides: physical models and sampling methods compared.</i>
16:40 – 17:10	Raphaëlle Versini , LBT/LB, CNRS/Sorbonne Université, Paris (25' talk + 5' questions) <i>Molecular dynamics based prediction of Fzo1 transmembrane domains</i>
17:10 – 17:20	Conclusion

