RNA: biology and applications
ITMO Bases moléculaires et structurales du vivant

February, 2nd to 3rd 2023
Amphithéâtre Buffon
15 rue Hélène Brion 75013 Paris

February, 2nd 2023

- 9.00 am – 9.10 am  Opening
- 9.10 am – 12.25 pm  RNA biogenesis, structure, RNA-mediated regulation
- 9.10 am – 9.55 am  Keynote: Dynamic riboregulatory assemblies in the control of gene expression - Ben Luisi – University of Cambridge
- 9.55 am – 10.25 am  Title to be announced - Pascale Romby – CNRS, IBMC
- 10.25 am – 10.55 am  Title to be announced - Remond Smyth – Helmholtz
- 10.55 am – 11.25 am  Coffee Break
- 11.25 am – 11.55 am  RNA maturation and decay in B. subtilis - Ciaran Condon - IBPC
- 11.55 am – 12.15 pm  Short talks
- 12.15 pm – 2.00 pm  Lunch break
- 2.00 pm – 4.15 pm  RNA modifications, Epitranscriptomics
- 2.00 pm – 2.45 pm  Keynote: Expanding world of RNA modification and its disease relevance - Tsutomu Suzuki – University of Tokyo
- 2.45 pm – 3.15 pm  When the Heat Is On - Turn Up the Ac(4C) - A Near Atomic Resolution Glance into RNA Acetylation - Moran Shalev-Benami - Weizmann Institute
- 3.15 pm – 3.45 pm  RNA modifications – from zero to hero - Mark Helm – University of Mainz
- 3.45 pm – 4.15 pm  RNA modification mapping and quantification using deep sequencing - Iouiri Motorine – University of Lorraine
- 4.15 pm – 4.45 pm  Coffee break
- 4.45 pm – 6.05 pm  RNP and phase separation
- 4.45 pm – 5.15 pm  What drives the specificity of RNA storage in P-bodies - Dominique Weil - IBPS, CNRS
- 5.15 pm – 5.45 pm  Engineering Phase Separations in Cells to Study RNA-Protein Condensates - Zohar Gueroui - ENS
- 5.45 pm – 6.05 pm  Short talks
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February, 3rd 2023

8.30 am – 11.00 am  RNP and RNA metabolism -Technical advances

8.30 am – 9.00 am  Title to be announced - Hervé Le Hir - IBENS

9.00 am – 9.30 am  Title to be announced - Olivier Namy – I2BC

9.30 am – 10.00 am  Imaging the life and death of mRNAs in single cells - Jeff Chao - Friedrich Miescher Institute for Biomedical Research

10.00 am – 10.30 am  Title to be announced - Florian Mueller – Pasteur Institute

10.30 am – 10.50 am  Short talk

10.50 am – 11.10 am  Coffee Break

11.10 am – 12.25 am  RNA therapeutics –Novel RNA platforms

11.10 am – 11.55 am  Keynote : Title to be announced - Frank de Rosa - Sanofi

11.55 am – 12.25 pm  Trans-amplifying RNA: a versatile vector system to deliver therapeutic proteins and RNAs - Tim Besseirt - TRON

12.25 pm – 12.55 pm  Title to be announced - Piotr Kovalski – University of Cork

12.55 pm – 1.20 pm  Title to be announced - Pascale Bouille - Flash Therapeutics

1.20 pm – 2.00 pm  Lunch break

2.00 pm – 4.00 pm  RNA therapeutics –Applications

2.00 pm – 2.30 pm  mRNA based-cancer vaccines - Eric Tartour – AP-HP

2.30 pm – 3.00 pm  Targeting PIM kinases in cancer using an antisens oligonucleotide strategy - Thierry Fest – University of Rennes

3.00 pm – 3.30 pm  New generation of antisense oligonucleotides for the treatment of Duchenne Muscular Dystrophy by exon-skipping - Aurélie Goyenville – UVSQ

3.30 pm – 3.50 pm  Short talks

3.50 pm – 4.00 pm  Closure