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alliance nationale
pour les sciences de la vie et de la santé

RNA : biology and applications

ITMO Bases moléculaires et structurales du vivant

Febuary, 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** — *Regulatory RNAs in bacteria: novelties and future challenges* - **Pascale Romby** – CNRS, IBMC
- **10.25 am – 10.55 am** — **Coffee Break**
- **10.55 am – 11.25 am** — *Probing the structure and function of long viral RNAs* - **Redmond Smyth** – Helmholtz Institute
- **11.25 am – 11.55 am** — *RNA maturation and decay in B. subtilis* - **Ciaran Condon** - CNRS, IBPC
- **11.55 am – 1.30 pm** — **Lunch break and poster session**
- **1.30 pm – 3.45 pm** — **RNA modifications, Epitranscriptomics**
- **1.30 pm – 2.15 pm** — Keynote: *Expanding world of RNA modification and its disease relevance* - **Tsutomu Suzuki** – University of Tokyo
- **2.15 pm – 2.45 pm** — *When the Heat Is On - Turn Up the Ac(4C) - A Near Atomic Resolution Glance into RNA Acetylation* - **Moran Shalev-Benami** - Weizmann Institute
- **2.45 pm – 3.15 pm** — *RNA modifications – from zero to hero* - **Mark Helm** – University of Mainz
- **3.15 pm – 3.45 pm** — *RNA modification mapping and quantification using deep sequencing* - **Iourii Motorine** – University of Lorraine
- **3.45 pm – 4.15 pm** — **Coffee break**
- **4.15 pm – 5.45 pm** — **RNP and phase separation**
- **4.15 pm – 4.45 pm** — *What drives the specificity of RNA storage in P-bodies* - **Dominique Weil** - IBPS, CNRS
- **4.45 pm – 5.15 pm** — *Engineering Phase Separations in Cells to Study RNA-Protein Condensates* - **Zoher Gueroui** - ENS
- **5.15 pm – 5.45 pm** — *Probing and harnessing synthetic liquid-liquid phase separation of RNA in Bacteria* – **Ariel Lindner** - CRI

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- **8.30 am – 11.00 am** — **RNP and RNA metabolism -Technical adavances**
- **8.30 am – 9.00 am** — *Molecular tricks to illuminate mRNP particle dynamics* - **Hervé Le Hir** - IBENS
- **9.00 am – 9.30 am** — *A complex interplay between GalQ34 and PSI35 modifications in tyrosine tRNA to fine tune accurate decoding in Human cells* - **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** — *Exploring spatial RNA regulation by quantitative imaging* - **Florian Mueller** – Pasteur Institute
- **10.30 am – 10.50 am** — **Coffee Break**
- **10.50 am – 1.00 pm** — **RNA therapeutics –Novel RNA platforms**
- **10.50 am – 11.30 am** — Keynote : *mRNA in Medicine: Optimization of an mRNA platform for "best-in-class" applications* - **Frank de Rosa** - Sanofi
- **11.30 am – 12.00 pm** — *Trans-amplifying RNA: a versatile vector system to deliver therapeutic proteins and RNAs* - **Tim Besseirt** - TRON
- **12.00 pm – 12.30 pm** — *Engineering circular RNA nanotherapeutics* - **Piotr Kovalski** – University of Cork
- **12.30 pm – 1.00 pm** — *Biological RNA delivery* - **Pascale Bouille** - Flash Therapeutics
- **1.00 pm – 2.20 pm** — **Lunch break and poster session**
- **2.20 pm – 3.50 pm** — **RNA therapeutics –Applications**
- **2.20 pm – 2.50 pm** — *mRNA in cancer vaccine design* - **Karine Breckpot** – Free University of Brussels
- **2.50 pm – 3.20 pm** — *Targeting PIM kinases in cancer using an antisens oligonucleotide strategy* - **Thierry Fest** – University of Rennes
- **3.20 pm – 3.50 pm** — *New generation of antisense oligonucleotides for the treatment of Duchenne Muscular Dystrophy by exon-skipping* - **Aurélie Goyenvalle** – UVSQ
- **3.50 pm – 4.00 pm** — **Closure**