

# PROGRAM



## Wednesday 17

**13:30 DOORS OPEN**  
**14:15 WELCOME SPEECH**

**14:30 DANIEL PICOT**  
Electron transfer chains at the crossroad of photosynthesis and respiration

**14:55 AMANDINE MARÉCHAL**  
Mitochondrial respiratory complexes and supercomplexes

**15:30 VILLE KAILE**  
Molecular mechanisms underlying the energy currents of life

**16:05 PAUSE**

**16:20 ALBERT WEIXLBAUMER**  
Molecular basis of mRNA delivery to the bacterial ribosome

**16:55 CARINE TISNÉ**  
Advances in the structural and functional understanding of m<sup>1</sup>A RNA modification

**17:20 BÉATRICE GOLINELLI-PIMPANEAU**  
Structural insights into tRNA sulfuration by [4Fe-4S] dependent modification enzymes

**17:45 PIERRE POULAIN**  
When open science meets AI : building a data catalogue of molecular dynamics simulation data... and more

**18:00 COCKTAIL**

## Thursday 18

**9:00 ROBERTA CROCE**  
Photosynthesis in the far-red : the Acaryochloris way

**9:35 JULIEN SELLES**  
Electron transfer during photosynthesis : influence of cytochrome b6f-PSI supercomplexes

**10:00 WOJCIECH NAWROCKI**  
A closeup on the thylakoid membranes of Chlamydomonas upon state transitions

**10:15 AURÉLIA BARASCU**  
ROS dynamics during replicative senescence in *S. cerevisiae*

**10:30 PAUSE CAFÉ**

**11:00 STEFANO VANNI**  
Discovering new membrane proteins' functions with multi-scale molecular simulations

**11:35 MICKAEL COHEN**  
Discoveries on Mitochondrial Dynamics and Mitophagy during DYNAMO

**12:00 BRUNO MIROUX**  
SYBORG - Constructing a synthetic bacterial organelle in *E. coli*

**12:15 MARIA MARCILLO PARRA**  
A constricted mitochondrial morphology optimizes respiration

**12:30 REPAS**

**13:30 KATHARINA HÖFER**  
The art of RNylation : Linking nucleic acids to proteins with natural precision to regulate cellular processes

**14:05 ELISE DUBOUÉ-DIJON**  
Computational studies of RNases

**14:30 JONATHAN JAGODNIK**  
Widespread 30S binding sites in 5'UTRs promote gene expression and sRNA regulation

**14:45 PRISCA BERARDI**  
Both genome instability and replicative senescence stem from the shortest telomere in telomerase-negative cells

**15:00 FRÉDÉRIQUE BRAUN**  
*Ménage-à-trois* between Rae1, ribosomes and mRNA

**15:15 PAUSE CAFÉ**

**15:45 FRÉDÉRIC LEMAÎTRE**  
Using exogenous quinones to produce electricity from photosynthesis – An “open-ended” photoelectrochemical story starring microalgae ?

**16:10 JÉRÔME HÉNIN**  
Computational approaches to the modulation of mitochondrial proton carrier UCP1

**16:35 FRANÇOIS GELLÉ**  
Regulation and unregulation of brown adipose tissue UCP1 : from in silico to in cellulo molecular analyses

**16:50 MURIELLE LOMBARD**  
Anaerobic biosynthesis of Ubiquinone : role of prephenate as an oxygen donor

## Friday 19

**9:00 MARTIN JONIKAS**  
Structure, biogenesis and engineering of the pyrenoid

**9:35 MARIANNE JAUBERT**  
Phytochromes mediate depth sensing and photoacclimation in marine diatoms

**10:00 GWENAËLLE GAIN**  
Interplay between nutrient deficiency and allelopathy in microalgae : study through photosynthesis

**10:15 LISA WESTRICH**  
Functional characterization of Rubisco accumulation factor 1 during Rubisco assembly and beyond

**10:30 PAUSE CAFÉ**

**11:00 CYNTHIA SHARMA**  
Small RNAs and small proteins in flagella biogenesis in *Campylobacter jejuni*

**11:35 LIONEL BENARD**  
Pat1 in the crossroads of mRNA and peptide surveillance

**12:00 GRÉGORY BOËL**  
Completing the picture of the translation apparatus : ABC-F proteins to the rescue of the ribosome

**12:25 ZEYNEP BAHAROGLU**  
Bacterial epitranscriptomic adaptation to stress

**12:40 REPAS**

**13:40 PETRA HELLWIG**  
The high diversity of terminal oxidases : electrochemical and spectroscopic studies

**14:15 FABIO STERPONE**  
Proteome dynamics at the cell-death temperature : a picture of life adaptation to different thermal niches

**14:40 ANTOINE TALY**  
The opportunities and limitations of AlphaFold to model allosteric proteins

**14:55 CLAUDIA ZILIAN**  
Towards a fully active and perdeuterated GPCR sample for NMR conformational studies

**15:10 PAUSE CAFÉ**

**15:40 BEN LUISI**  
Dynamic machines for dynamic processes : drug efflux, riboregulation and their interplay

**16:15 NATHALIE DAUTIN**  
Haem import by Haemophilus influenzae

**16:40 ALEXIS LODÉ**  
Reconstitution and structural characterization of the MacAB-TolC efflux pump complex in *E. coli* : The challenges of working with protein complexes

**16:55 CLOSING WORDS**

