



YOUNG LOBSTER DAY

9h00 - 10h15 : 1ère session

présidé par Marion Giraud

09:00 Abdelsayed Vaky
09:10 Paggi Laura
09:20 Candia Arana Matheus
09:30 Olmedo Miguel
09:40 Paravel Adrien
09:50 Sorg Kate
10:00 Cucchiarini Anne

Structure and Reorganization of Collagen in Biological Tissues: Benefit of Polarization-Resolved Second Harmonic Generation
Caractérisation multi-échelle et multimodale de l'altération du collagène dans les parchemins
Label-free Deep 3D Imaging of Cardiac Organoids
Human neurogenesis in midbrain organoids: unveiling molecular drivers of metabolic transitions in single cells.
Gene strand bias and genetic skews among Archaea
Investigating non-canonical nucleic acid structures called G-quadruplexes in Archaea
Targeting G-Quadruplexes to Combat Viruses with Pandemic Potential

Pause café 10h15 - 10h45 

10h45 - 11h50 : 2ème session

présidé par Kate Sorg

10:45 Hassanein Yara
10:55 Mariotte Tom
11:05 Garnier Tom

Investigating mesoderm internalization: potential role of Rnd1b in early zebrafish embryonic development
Dynamics of replication in *Haloferax volcanii*
Elucidating intracellular organisation and stress adaptation of *Haloferax volcanii* 's translation machinery and its biogenesis by fluorescence optical microscopy

Flash Talk

11:15 Agostini Manon
11:18 Benjelloun Yasmine
11:21 Chauvet Ilse
11:24 Zhu Yifei
11:27 Barrabes Elise
11:30 Gabillet Thomas

Role of circular Box C/D RNA in the methylation of ribosome in hyperthermophile archaea
Tracer des circuits neuronaux multicolores : apprentissage profond pour le traçage semi-automatique d'axones.
Imaging of myelin and metabolism in zebrafish embryos
Functional imaging of neuron activity with the 3-photon microscopy platform
Linking cell fate to cell behaviour and morphogenesis during zebrafish embryonic development
Études spectroscopiques de la liaison du monoxyde de carbone à l'hémoglobine à l'aide des techniques FTIR et pompe-sonde

Buffet et Posters 12h00 - 13h30



dans la Salle des Cadres

13h30 - 14h45 : 3ème session

présidé par Ilse Chauvet

13:30 Bing Xue
13:40 Victor Struillou
13:50 Marion Giraud
14:00 Polezhaeva Olga
14:10 Prudhomme Solene
14:20 Arjmand Payvand
14:30 Gharbi Amira

Nonlinear photodamage in multiphoton light-sheet microscopy : from simulation to experiment
Quantitative study of the clonal development of the cerebral neocortex
Self-Supervised Learning for Large-Scale Brainbow Image Analysis
Computational modelling of connectivity establishment in the auditory pathway
Imagerie multiphotonique multimodale du cerveau de souris
Addressing Aberrations and Scattering in Imaging: From Fundamentals to Applications
Investigation of the photophysics of the fast red negative Photochromism of Flavoprotein-Ligand Charge Transfer Complex.

Pause café 14h45 - 15h15 

15h15 - 16h30 : 4ème session

présidé par Maëlle Bouhassane

15:15 Yark Farida
15:25 Robin Khuner
15:35 Sidi Abdel Jelil Aichata
15:45 Ferreira Vivas Bras Nuno
15:55 Giraldo Betancur Susana

Ultrasensitive and quantitative detection of biomarkers using europium-doped vanadate nanoparticles (YVO4: Eu3+)
Du laboratoire à la start up
Monitoring kidney pathophysiological processes by quantitative optical imaging in glomeruli-on-chip devices
Corneal Transparency Diagnostics by Smart OCT and Deep Learning
THz spectroscopy for the analysis of cell membrane permeabilization under oxidative stress conditions

19h00 : Afterwork

