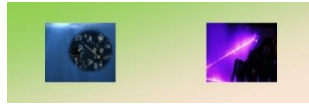


Journée 2023 de la Société Française de Photobiologie

Le 24 Janvier 2023, La FIAP, Paris



8h30-8h45: Registration

8h45-9h00: Introduction

Session 1 : Photosynthetic electron transport rate in symbiotic animals

9h00-9h30 : Roberta Croce (Vrije Universiteit, Amsterdam), NL *Invited*
« One, none and one hundred thousand Chlamy »

9h30-10h00 : Pierre Cardol, (Université de Liège, Belgique) *Invited*
Photosynthetic electron transport rate in symbiotic animals.

10h00-10h15 Sarah Garric, Station Biologique de Roscoff, *Short Talk*
Photoacclimation des plastes Cryptophytes (*Plagioselmis prolunga*) chez leurs hôtes
Mesodinium rubrum et *Dinophysis acuminata*.

10h15-10h30 Gwenaëlle Gain, IBPC Paris *Short Talk*
Measurements of photosynthesis in mixture reveal the role of nutrients and
allelopathy in the competition between dinoflagellates and diatoms. *Selected Talk*

10h30- 10h45 Shun Liu, Institut de Biologie de l'ENS (IBENS) *Short Talk*
Integrative atlas of diatom plastid transporters and potential cross-talk related
transporter discovering *Selected Talk*

10h45-11h15 Coffee break

11h15-11h45 François-Yves Bouget (Sorbonne Université, Banyuls-sur-mer) *Invited*
Photoperiodic responses in the sea : insight from phytoplankton model

11h45-12h15 Stefania Viola, CEA Cadarache *Invited*
Life in the shade : how photosystem II adapted to far-red light

12h15-12h30 Marie Dannay- CEA Grenoble 'LHL4 is at the crossroads of photoreceptor-
mediated photoprotection in *C. reinhardtii*', *Short Talk*

12h30-12h45 Dimitris Petroutsos, CNRS, CEA Grenoble- PHOTOTROPIN-mediated
phosphorylation of BSK1 controls photosynthetic carbon partitioning in *Chlamydomonas*
photoreceptor/metabolism, *Short Talk*

12h45-14h00 LUNCH

Session 2 : Ultrafast spectroscopy in photobiology

14h00-14h10 : Introduction // Honor of Klaus Brettel

14h10-14h40 : John Kennis (Vrije Universiteit Amsterdam, NL) *Keynote*
Sensing mechanisms in photoregulatory proteins probed by ultrafast vibrational spectroscopy

14h40-15h00 : Pavel Müller (I2BC / CEA Saclay) *Invited*
Kinetics of Electron Returns in Successive Two-Photon DNA Repair by (6-4) Photolyase

15h00-15h20 : Pascale Chagnenet (LOB, Polytechnique) *Invited*
Recent advances in the development of time-resolved circular dichroism for probing conformational dynamics of biomolecules

15h20-15h40 : Nicolas Ferré (ICR, Aix-Marseille U.) *Invited*
pH effects on retinal photochemistry in a microbial rhodopsin

15h40-15h55 : Emilie Renouard (Pasteur, ENS) *Selected Talk*
Multiscale Time-Resolved Spectroscopic Study of the Fluorescent Protein Dreiklang and Two Point Variants Unravels Photoswitching and Non-Productive Dynamics

15h55-16h10 : Houda Moumene (MSME, U. Gustave Eiffel) *Selected Talk*
QM/MM calculations and spectra modelling of the bioluminescent system Nanoluc Furimamide

16h10-16h40: Coffee break

16h40-17h10 : Martin Weik (IBS, Grenoble) *Keynote*
Time-resolved crystallography at XFELs of light-sensitive proteins at work

17h10-17h40 : Jérémie Léonard (IPCSM, Strasbourg U.) *Invited*
Learning from photosensitive proteins to design efficient molecular motors

17h40-17h55 : Cedric Mittelheiser (LASIRE, U. Lille) *Selected Talk*
Understanding the photo-switching mechanism of a novel near-iR photomodulatable Fluorescent Proteins (iR-RSFP)

17h55-18h10 : Anastasiia Delova (ITODYS, U. Paris Cité) *Selected Talk*
Modeling the effects of photo-induced drugs in a biological membrane model by molecular dynamics simulations

18h10-18h20: Conclusion