

# **26<sup>th</sup> Young Research Fellows Meeting**



**Faculty of Pharmacy  
Paris  
February, 20<sup>th</sup>-22<sup>nd</sup>, 2019**



**26<sup>th</sup> Journées Jeunes Chercheurs  
Young Research Fellow Meeting**

**PROGRAMME**

**Wednesday February 20, 2019**

- 10h00 – 12h30 :** Registration; welcome snacks and drinks
- 12h30 – 12h45 :** Introductory remarks  
**Ph. Belmont and L. Demange,**  
on behalf of the Organizing Committee
- 12h45 – 13h15 :** **Opening Keynote Lecture.**  
**Dr. Bart Roman, Ghent University, Belgium**  
Pharmacology of motor proteins: a fast-moving field
- 13h15 – 14h55 :** Oral Communication session
- 13h15 – 13h35 :** **CO 1 : Sergio Ortiz, CiTCoM, Faculté de Pharmacie, Paris-Descartes, Paris, France.**  
Inhibition of Arf1-BigSec7 interaction by natural and semisynthetic sesquiterpene lactones
- 13h35 – 13h55 :** **CO 2 : Mathieu Bordy, Ecole Nationale Supérieure, Lyon, France.**  
Fluorogenic probes for high-sensitivity imaging of enzymatic activity
- 13h55 – 14h15 :** **CO 3 : Willi Smeralda, CERMN, Caen, France.**  
Alzheimer's Disease: Development and application of a Multistep Procedure to Characterize Modulators of Amyloid Peptide Aggregation.
- 14h15 – 14h35 :** **CO 4 : Bérénice Hattat, IBMM, Montpellier, France & CERMN, Caen, France.**  
Synthesis and biological evaluation of multi-target directed ligands as potential treatment for alzheimer's disease.
- 14h35 – 14h55 :** **CO 5 : Pascal Dao, Institut de Chimie de Nice, Nice, France.**  
Development of highly sensitive fluorescent probes for the real-time monitoring of senescence in live cells.
- 14h55 – 15h05 :** **Flash Poster Presentation. Session 1.**
- 15h05 – 15h15 :** **Commercial presentation : Fluorochem**

- 15h15 – 16h05 :** **Coffee break, poster session & commercial exhibition.**
- 16h05 – 16h45 :** **Plenary lecture.**  
**Dr. C. Andraud, ENS Lyon, France.**  
Biophotonic molecules in the service of biophotonics.
- 16h45 – 17h45 :** **Oral Communications session.**
- 16h45 – 17h05 : **CO 6 : Krzysztof Chmiel, University of Silesia, Chorzow, Poland.**  
Amorphization as a Tool in Service of Pharmaceutical Industry.  
Corresponding Issues and proposed Solutions
- 17h05 – 17h25 : **CO 7 : David Fallon, GSK R&D, Stevenage, United Kingdom.**  
The Design and Synthesis of Bromodomain Photoaffinity Probes
- 17h25 – 17h45 : **CO 8 : Alice Legru, IBMM, Montpellier, France.**  
Inhibition of metallo- $\beta$ -lactamases (MBLs) to flight the bacterial resistance to  $\beta$ -lactam antibiotics.
- 17h45 – 17h50 :** **Welcome talk**  
**Pr. Jean-Louis Beaudeux, Faculty's Dean**
- 17h50 – 18h30 :** **EFMC lecture.**  
**Pr. Emmanuel Mikros, Faculty of Pharmacy, Athens, Greece.**  
Using advanced and analytical tools for efficient discovery of new bioactive compounds
- 18h30 – 19h30 :** **Sharing science and food session.**  
You own food buffet in front of the posters. Discuss science, wine and food together... Bring delights from your country and share it with your colleagues!
- 19h30 – 20h30 :** **Pharma welcomes you!**  
Enjoy the artists of the faculty of Pharmacy, music and show by our pharmacy's students.



## Thursday February 21, 2019

- 08h30 – 09h00 :** **Keynote lecture.**  
**S. Huvelle, Faculty of Pharmacy, Tours, France.**  
Original site-specific antibody-drug conjugates.
- 09h00 – 10h20 :** **Oral Communications session.**
- 09h00 – 09h20 : **CO 9 : Clara Van Hoey, University of Vienna, Vienna, Austria.**  
Drug Fragment-based Discovery of Enterovirus Inhibitors
- 09h20 – 09h40 : **CO 10 : Mathus Hlavac, Comenius University of Bratislava, Slovakia & ECPM, Strasbourg, France.**  
Synthesis and biological activity of predicted ALR2 inhibitors.
- 09h40 – 10h00 : **CO 11 : Lucia Ferrazzano, Alma Mater Studiorum, University of Bologna, Italy.**  
Mixtures of green solvent for solid phase peptide synthesis.
- 10h00 – 10h20 : **CO 12 : Manon Réau, Conservatoire National des Arts et Métiers, Paris, France.**  
NR-DBIND : A database dedicated to nuclear receptor binding data including negative data and pharmacological profile
- 10h20 – 10h40 :** **Flash Poster Presentation. Session 2.**
- 10h40 – 11h30 :** **Coffee break, poster session & commercial exhibition.**
- 11h30 – 12h50 :** **Oral Communications session.**
- 11h30 – 11h50 : **CO 13 : Daniele Di Marino, USI, Lugano, Switzerland.**  
Deciphering the mechanisms of allosteric modulation of HSP90.
- 11h50 – 12h10 : **CO 14 : Salomé Azoulay-Ginsburg, Bar Ilan University, Ramat Gan, Israël.**  
Lipophilic phenylbutyric acid derivative as a drug candidate for the treatment of misfolded proteins related diseases.
- 12h10 – 12h30 : **CO 15 : Xiaowei Chen, CiTCoM, Faculté de Pharmacie, Paris Descartes, Paris, France.**  
Interaction between HIV Maturation Inhibitors and GAG precursor.
- 12h30 – 12h50 : **CO 16 : Florian Descamps, UMR-S1172, Université de Lille, France.**  
Discovery of new compounds that promote non-amyloidogenic processing of the amyloid precursor protein for the treatment of Alzheimer's disease.
- 12h50 – 14h00 :** **Lunch break**

**14h00 – 18h30 :** **Cancer Session, “New Frontier in Oncology”  
Granted by Fondation ARC.**



**14h00 – 14h40 :** **Plenary lecture.**  
**Pr. Fernanda Borges, Faculty of Pharmacy, Porto, Portugal.**  
Drug discovery and neurodegenerative diseases: time for a change of tack.

**14h40 – 15h40 :** **Oral Communications session.**  
**14h40 – 15h00 :** **CO 17 : Laura Gallego Yerga, University Castilla la Mancha, Albacete, Spain.**

Nanomedicine for the treatment of glioblastoma: glycol-targeted cyclodextrin-calixarene heterodimers for controlled drug delivery.

**15h00 – 15h20 :** **CO 18 : Chloé Maucort, ICN, Nice, France.**  
Synthetic small molecules interfering with oncogenic microRNAs for the induction of glioblastoma stem cells differentiation.

**15h20 – 15h40 :** **CO 19 : Daniil Bazanov, Moscow State University, Moscow, Russia.**  
Novel cis-imidazoline derivatives as precursors for potent inhibitors of mdm2-p53 interaction

**15h40 – 16h05 :** **Flash Poster Presentation. Session 3.**

**16h00 – 16h45 :** **Coffee break, poster session & commercial exhibition.**

**16h45 – 17h25 :** **Plenary lecture.**  
**Pr. Gilles Pagès, IRCAN, Nice, France.**  
New therapeutic approaches in resistant kidney cancer care.

**17h25 – 18h25 :** **Oral Communications session.**  
**17h25 – 17h45 :** **CO 20 : Aurore Dumond, CSM, Monaco, Principality of Monaco.**  
Opposite effect of NRP-1 and NRP-2 in the aggressiveness of clear cell Renal Cell Carcinoma

**17h45 – 18h05 :** **CO 21 : Maria Karelou, National and Kapodistrian University of Athens, Greece.**  
Design, synthesis and pharmacological evaluation of novel tdp1 and 2 inhibitors.

**18h05 – 18h25 :** **CO 22 : Karine Porte, CEA – DRF – JOLIT – SCBM, Gif-sur-Yvette, France.**  
Bioorthogonal Cleavable Micelles for Double Targeted Controlled in Vivo Delivery

**18h25 – 18h55 :** **SCT Award for young investigators in medicinal chemistry lecture.**  
**Dr. Cyril Ronco, Institut de Chimie de Nice, France.**  
ER Stress inducers targeting resistant cancers

**19h00 – 20h30 :** **Round Table : How to get funds from the European Union, the H2020 scientific program. Pascale Massiani and Laura Molinari (French Ministry of Research), Alain Cimino (Cimbiose, a company specialized in H2020 projects) and Pr. Matthieu Montes (CNAM, ERC Starting Grant Laureate).**

**20h30 – 01h00 :** **Let's go to the XVIth YRFM Party !**  
Food, music, dance and drinks into the Orpheus Club



## Friday February 22, 2019

- 08h30 – 10h10 :** **Oral Communications session.**
- 08h30 – 8h50 : **CO 23 : Sandi Brudar, Faculty of Chemistry and Chemical Technology, Ljubjana, Slovenia.**  
The influence of the solution conditions on the fibrillization of hen egg-white lysozyme.
- 08h50 – 09h10 : **CO 24 : Juliane Sousa Lanza, BIOCIS, Faculté de Pharmacie, Châtenay-Malabry, France.**  
Combined antileishmanial chemotherapy: mixed micellar system of known actives allows oral treatment of leishmaniasis.
- 09h10 – 09h30 : **CO 25 : Pedro Soares, Faculty of Sciences, Porto, Portugal.**  
Improving the activity of dietary cinnamic and benzoic acids for the treatment of neurodegenerative disorders.
- 09h30 – 09h50 : **CO 26 : Thi-Hong-Lien Han, ITODYS, Paris-Diderot, Paris, France.**  
Oxidation Stress in Friedreich Ataxia: role of Frataxin.
- 09h50 – 10h10 : **CO 27 : Aine Mahon, University College Dublin, Ireland.**  
The Synthesis of Aromatic Lipoxin A4 Analogues with Upper Chain Modifications.
- 10h10 – 11h00 :** **Coffee break, poster session & commercial exhibition.**
- 11h00 – 11h40 :** **Plenary lecture.**  
**Dr. Gilles Guichard, IECB, Bordeaux, France.**  
Foldamers for mimicking and engineering the backbone of biologically active peptides.
- 11h40 – 13h00 :** **Oral communications session.**
- 11h40 – 12h00 : **CO 28 : Ana Carolina Ruberte, University of Navarra, Pampelona, Spain.**  
Selenium heteroaryl derivatives as potent cytostatic and antioxidant agents.
- 12h00 – 12h20 : **CO 29 : Gianina Dodi, Grigore T. Popa University, Iasi, Romania.**  
Synthesis and characterization of multifunctional hybrid magnetic nanoparticles designed for multimodal imaging.
- 12h20 – 12h40 : **CO 30 : Merve Saylam, Izmir Katip Celebi University, Izmir, Turkey.**  
Targeting Myeloperoxidase: Studies on Novel Benzimidazole Derivatives as MPO Inhibitors.
- 12h40 – 13h00 : **CO 31 : Roberta Ibba, University of Sassari, Sassari, Italy.**  
Screening of UGGT binding fragments as chemical leads for the development of novel broad-spectrum antivirals.

**13h00 – 14h00 :** **Lunch break**

**14h00 – 16h30 :** **Multi-targeted drug Keynote lectures session  
in coordination with the COST MuTaLig European Action.**



14h00 – 14h30 : **Pr. Stefano Alcaro, University of Catanzaro, Italy.**

From the MuTaLig COST Action to the Net4Science academic spin-off: one evolution branch of a research project for multi-target drug discovery.

14h30 – 15h00 : **Pr. Danijel Kikelj, University of Ljubjana, Slovenia.**

Discovery of dual gyrase A/gyrase B inhibitors with antibacterial activity.

15h00 – 15h30 : **Dr. Eugenio Gaudio, Institute of Oncology Research, Bellinzona, Switzerland.**

Selection of biological targets and assessments of biological data: a case study.

15h30 – 16h00 : **Pr. Hanoch Senderowitz, Bar Ilan University, Tel Aviv, Israël.**

Title to be announced.

16h00 – 16h30 : **Dr. Sharon Bryant, Inte:Ligand, Wien, Austria.**

Advanced 3D-pharmacophores & the MuTaLig chemoteca: enhancing virtual screening efficacy in multitarget drug discovery.

**16h30 – 17h00 :** **Coffee break, poster session & commercial exhibition.**

**17h00 – 18h20 :** **Oral communications session.**

17h00 – 17h20 : **CO 32 : Maxime De Abreu, CiTCoM, Faculté de Pharmacie, Paris Descartes, Paris, France.**

Straightforward access to phthalazine scaffold under visible-light irradiation.

17h20 – 17h40 : **CO 33 : Patricia Serra, iMed, Faculty of Pharmacy, University of Lisbon, Lisbon, Portugal.**

Structure-based virtual screening toward Hexokinase 2 inhibitors: targeting metabolism and apoptosis signaling in cancer cells.

17h40 – 18h00 : **CO 34 : Richard Botar, University of Debrecen, Hungary.**

A novel PC2A-derivative ligand as pH-responsive „smart” MRI probe: synthesis and characterization.

18h00 – 18h20 : **CO 35 : Agnieszka Zak, ICOA, Orléans, France.**

Synthesis and biological evaluation of new fluorinated ligands targeting P2X7R.

**18h20 – 18h50 :** **Closing Keynote lecture.**

**Dr. Fayna Mammeri, ITODY, Paris-Diderot University, France.**

Design of star-shaped magneto-plasmonic nanoparticles made of gold and iron oxide for biomedicine. A focus on photothermia application.

**18h50 – 19h00 :** **Awards and concluding remarks**