



28th YOUNG RESEARCH FELLOWS

A WEB MEETING

SCIENTIFIC PROGRAM

Thursday, February 11th morning

08h50 – 09h00 : **Introductive remarks**

09h00 – 09h40 : **Opening Lecture.**

Hélène Munier-Lehmann (Institut Pasteur, Paris)

Chemical tools to get insight into nucleotides metabolism.

09h40 – 11h00 : **Oral Communications session**

09h40 – 10h00 : **CO 1 : Elizabeth Goya-Jorge, Facultat de Farmacia, U. Valencia, Spain.**

Newly synthesized triarylmethanes discovered ligands of the aryl hydrocarbon receptor.

10h00 – 10h20 : **CO 2 : Clémentine Pescheteau, ICOA, U. Orléans, France.**

Design and synthesis of dual inhibitors of DYRK1A/CLK1 kinases involved in neurodegenerative diseases.

10h20 – 10h40 : **CO 3 : Carlotta Pontremoli, Department of Chemistry, U. Torino, Italy.**

Squaraine dyes as fluorescent turn-on probes for the detection of mucin.

10h40 – 11h00 : **CO 4 : Romain Paoli-Lombardo, ICR, UMR 7273, U. Marseille, France.**

Pharmacomodulation and optimization of new 3-Nitroimidazo[1,2-a]pyridines substrates of NTR1 against kinetoplastids.

11h00 – 11h30 : **Coffee break.**

11h30 – 12h10 : **Plenary Lecture.**

Xavier Morelli (CRCM, Marseille)

Interactive drug discovery targeting protein/protein interaction: the 2P2I approach.

12h10 – 12h30 : **Flash Poster Presentation. Session 1.**

Cosmin Butnarusu, Torino, Italy.

Ameni Hadj-Mohamed, Paris, France.

Julia Macyszyn, Warsaw, Poland.

Rostyslav Bardovskyi, Nice, France.

Gladis E H Edinsha, Nagercoil, India.

Lucile Brier, Lille, France.

Déto Ursul Jean-Paul N'Guessan, Abidjan, Ivory Coast.

Kévin Brugermann, ICOA, Orléans, France.

Ayoub El Mahmudi, Rabat, Morocco.

Ye Xiaoqing, Faculty of Pharmacy, Paris, France.

12h30 – 14h00 : **Lunch break.**

Thursday, February 11th afternoon

14h00 – 14h40 : Plenary lecture.

Esma Saada Bouzid (CAL, Nice)

Precision medicine in oncology.

14h40 – 15h40 : Oral Communications session.

14h40 – 15h00 : **CO 5 : Joanna Miskiewicz, Inter-Faculty Individual Studies in Mathematics and Natural Sciences, Warsaw, Poland.**

Designed RNA enzyme as a potential antibacterial.

15h00 – 15h20 : **CO 6 : Antoinette Keita, UMR IRD 261 MERIT, Faculty of Pharmacy, U. Paris, France.**

Simplified alkaloid mimics in the fight against malaria hepatic stage.

15h20 – 16h00 : Keynote lecture - SCT award in medicinal chemistry.

Peng Wu (Marx Planck Institute, Dortmund, Germany)

Small molecules targeting protein-RNA interactions as chemical probes and therapeutic leads.

16h00 – 16h30 : Coffee break.

16h30 – 17h10 : Oral Communications session

16h30 – 16h50 : **CO 7 : Asma Sellami, GBCM – EA 7528, CNAM, Paris, France.**

Predicting potential EDCs binding to ER α using a pipeline combining SB and LB *in silico* methods.

16h50 – 17h10 : **CO 8 : Fancesco Mesiti, Net4Science, Catanzaro, Italy.**

The influence of 4-oxoquinoline tautomerism in the MAOs inhibition.

17h10 – 17h50 : Plenary Lecture.

Alan C. Spivey (Imperial College, London)

A natural product synthesis, meta-functionalisation of aryl boronates & protein structure mimicry.

18h00 – 20h00 : Pharma welcomes you!

Enjoy the artists of the Faculty of Pharmacy, music and show by our pharmacy's students.



Friday, February 12nd morning

09h00 – 09h40 : Plenary Lecture.

Frederik Rombouts (Janssen Pharmaceutica NV, Belgium)

Synthesis of macrocyclic MCL-1 inhibitors with optimized physicochemical properties using Petasis approach.

09h40 – 11h00 : Oral Communications session

09h40 – 10h00 : CO 9 : Manon Mirgaux, LBS, U. Namur, Belgium.

Crystallography and Molecular Dynamics of hIDO1 to assist structure-based drug design.

10h00 – 10h20 : CO 10 : Alessandra Corio, LCBPT-UMR 8601, U. Paris, Paris, France.

Design and synthesis of Red-SMU1 disruptors as new antiviral agents against Influenza A virus.

10h20 – 10h40 : CO 11 : Florentina Geanina Lupascu, University of Medicine and Pharmacy "Grigor T. Popa" Iasi, Romania.

Co-encapsulation of pioglitazone and curcumin into chitosan nanoparticles and in vivo antidiabetic potential.

10h40 – 11h00 : CO 12 : Fatma Zahra Thari, Laboratory of Pharmacology and Toxicology Faculty of Medicine and Pharmacy, U. Mohamed V, Rabat, Morocco.

Thiazolidine-2,4-dione derivatives: Synthesis, α -glucosidase and α -amylase inhibition potential and acute toxicity evaluation.

11h00 – 11h30 : Coffee break.

11h30 – 12h10 : Plenary Lecture.

Bertrand Liagre (University of Limoges)

Photodynamic therapy activity of a new porphyrin-xylan-coated silica nanoparticle in a human colorectal cancer in vivo model.

12h10 – 12h30 : Flash Poster Presentation. Session 2.

Marine Duplantier, Amiens, France.

Marco Maspero, Milano, Italy.

Zakaria Moutaoukil, ICN, Nice, France.

Diana Oliveira, Porto, Portugal.

Jérémy Caburet, Grenoble, France.

Joanna Musia, Poznan, Poland.

Panpan Ma, Faculty of Pharmacy, Paris, France.

Chaimae Ouazzani Chahdi, Fes, Morocco.

Monsarrat Clément, Pessac, France.

Duong Kim Hoang Yen, Budapest, Hungary.

12h30 – 14h00 : Lunch break.

Friday, February 12nd afternoon

14h00 – 14h40 : Plenary Lecture.

Julie Broggi (ICR, Marseille)

The application fields of enamine based organic electrons donors.

14h40 – 16h00 : Oral Communications session.

14h40 – 15h00 : **CO 13 : Robin Birus, Institute of Pharmaceutical and Medicinal Chemistry U. Münster, Germany.**

Analyzing Cellular Effects and Pharmacokinetic Properties of Human Protein Kinase CK2 Inhibitors with an Indeno[1,2-b]indole Scaffold.

15h00 – 15h20 : **CO 14 : Mirjana Antonijevic, CERMN, Caen, France.**

Discovery of an allosteric pocket network of the TrkB neurotrophin receptor, a promising target in the development of new ligands.

15h20 – 15h40 : **CO 15 : Davia Prischich, Institute for Bioengineering of Catalonia (IBEC), U. Barcelona, Spain.**

In vivo photopharmacology of adrenergic receptors.

15h40 – 16h00 : **CO 16 : Dinesh Dhumal, CINaM UMR 7325 CNRS, U. Marseille, France.**

An ionizable supramolecular dendrimer nanosystem for effective siRNA delivery with a favorable safety profile.

16h00 – 16h30 : Coffee break.

16h30 – 17h10 : Oral Communications session

16h30 – 16h50 : **CO 17 : Luana Heimfarth, Health Sciences Graduate Program, Federal University of Sergipe, Arcaju, Brazil.**

Effect of naringenin and naringenin complexed with hydroxypropyl- β -cyclodextrin on neonatal sepsis. Role of COX-2, NF κ B, MAPK pathways.

16h50 – 17h10 : **CO 18 : Félix Grosjean, IBMM, UMR 5247 CNRS, U. Montpellier, France.**

Development of 5'-Nucleotidase inhibitors for cancer immunotherapy.

17h10 – 17h50 : Plenary Lecture.

Dominique Bonnet (University of Strasbourg)

Designing chemical tools to shed light on G-Protein-coupled receptors.