

### Comité scientifique

- Le Questel Jean-Yves, Laboratoire CEISAM
- Lebreton Jacques, Laboratoire CEISAM
- Collet Sylvain, Laboratoire CEISAM

### Comité d'organisation

- Le Questel Jean-Yves, Laboratoire CEISAM
- Lebreton Jacques, Laboratoire CEISAM
- Collet Sylvain, Laboratoire CEISAM
- Chaalan Maryam, Laboratoire CEISAM

## INFORMATIONS PRATIQUES

### CONTACT

**Maryam CHAALAN**

Laboratoire CEISAM

02 51 12 57 24

maryam.chaalan@univ-nantes.fr

www.piramid-research.fr

### ILS NOUS SOUTIENNENT



LA CITÉ, NANTES  
5 rue Valmy, Nantes  
Busway, ligne N° 4, arrêt «Cité internationale des congrès»

# JOURNÉES SCIENTIFIQUES UNIVERSITÉ DE NANTES

COLLOQUE

09

## PROTEIN-PROTEIN INTERACTIONS IN RATIONAL APPROACHES FOR MEDICINAL INNOVATIVE DRUGS

VENDREDI 1<sup>er</sup> JUIN 2018  
LA CITÉ, NANTES

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## PROTEIN-PROTEIN INTERACTIONS IN RATIONAL APPROACHES FOR MEDICINAL INNOVATIVE DRUGS

The program PIRAMID (Protein Interactions in Rational Approaches for Medicinal Innovative Drugs) is funded for 5 years by the Pays-de-la-Loire Region Research Council in the framework of the « Dynamiques Scientifiques » call. This project merges together several regional research groups (7 laboratories, 11 teams and around 60 people) covering multidisciplinary fields such as biology in cancer, cardiovascular research, metabolic and lung risk factors, medicinal and organic chemistry, molecular modelling. The project PIRAMID aims to design, in particular through a wide range of molecular modelling approaches, original inhibitors targeting selected protein-protein interactions.

The Scientific Days of the University of Nantes offer an excellent opportunity to set up a Symposium on this PIRAMID multidisciplinary research project. Some speakers recognized as experts at a national and international level and members of the PIRAMID consortium will present relevant aspects of their research linked to protein-protein interactions. For this second edition, a special focus will be put on the experimental approaches dedicated to the quantification of the intermolecular interactions involved in the processes targeted by the project or in comparable systems. This colloquium will also be an opportunity to emphasize the academic and industrial impact of the PIRAMID project.

9h - 9h10

Accueil des participants

9h10 - 10h10

**Conférence plénière :**  
« An automated setup on beamline FIP at the ESRF for X-ray structure resolution and room temperature ligand screening »

Jean-Luc Ferrer, Institut de Biologie Structurale de Grenoble, France

10h10 - 10h40

**Intervention :**  
« Multivalent glycomimetics to infer with carbohydrate-binding proteins »

Sébastien Gouin, équipe CORAIL, laboratoire CEISAM, Nantes, France

10h40 - 11h

Pause-café

11h - 11h30

**Intervention :**  
« Strategies in the search for novel antiparasitic agents »

Pascal Marchand, laboratoire IICiMed, Nantes, France

11h30 - 12h

**Présentation des activités du Cancéropôle Grand-Ouest**

12h - 13h30

Déjeuner

13h30 - 14h30

**Conférence plénière :**  
« Insights into protein-ligand interactions for structure-based drug discovery »

Anna Vulpetti, Novartis Institute for BioMedical Research, Bâle, Suisse

14h30 - 15h

**Intervention :**  
« Dynamic study of protein interactions at the cell membrane level »

Erwan Mortier, plateforme IMPACT, laboratoire CRCINA, Nantes, France

15h - 15h20

Pause-café

15h20 - 16h20

**Conférence plénière :**  
« The emerging role of MS in structurale biology »

Elisabetta Boeri-Erba, Institut de Biologie Structurale de Grenoble, France

16h20 - 16h50

**Intervention :**  
« Quantification of molecular interactions : usefulness for drug design »

Jérôme Graton, équipe MODES, laboratoire CEISAM, Nantes, France

16h50 - 17h20

**Intervention :**  
« Organic synthesis in Chemical-Biology research programs »

Arnaud Tessier, équipe SYMBIOSE, laboratoire CEISAM, Nantes, France

17h20

Fin