Overview of the workshop

On behalf of the Distalz management board, we would like to welcome you to the 4th Distalz International Workshop on “Inhibition of Protein-Protein Interactions in Alzheimer’s Disease and Related Proteinopathies” that will take place on March 27 and 28, 2017 at the Lille University CNRS Campus Haute Borne, France.

The workshop will be divided into three half-day sessions and, in the spirit of the Distalz Laboratory, bring together scientists from different areas of expertise. The focus will be on protein aggregation as a therapeutic target in neurodegenerative disorders. The meeting will feature talks in the following areas: chemistry and chemical biology related to aggregation inhibitors, biophysical methods to characterize aggregation and understand its molecular mechanisms, in vivo and clinical studies related to aggregation and aggregation inhibition.

This year, outstanding international speakers will be with us in addition to members of the Distalz laboratory of excellence:

- Claudio Grassi, Italy
- James Shorter, United States
- Raz Jelinek, Israel
- Florence Pasquier, France
- Marie-Françoise Chesselet, United States
- Nadia Stefanova, Austria
- Alessandro Fraldi, Italy
- Danny Segal, Israel
- Lisa Lapidus, United States
- Elsa Sanchez, Germany
- Frédéric Checler, France
- Gal Bitan, United States
- Franck-Gerrit Klärner, Germany
- Thomas Schrader, Germany
- Chunyu Wang, United States
- Morvane Colin, France
- Caroline Smet-Nocca, France

The main goal of the meeting will be to communicate the methods and techniques that are being used and developed for the study of aggregation to an audience of students and researchers, as well as to present the challenges that lie ahead. The workshop will also be a unique opportunity for speakers to meet fellow researchers interested in aggregation, and we hope that it will help to foster future collaborations in the area.

Registration

Registration is free but mandatory. You can register using the following link:

Practical Information

The Distalz Laboratory of Excellence

International Workshop

Inhibition of Protein-Protein Interactions in Alzheimer’s Disease and Related Proteinopathies

March 27 – March 28, 2017

Amphithéâtre
IRI Building
Campus CNRS Haute Borne
50, Avenue de Halley
59658 Villeneuve d’Ascq, France

Organization
Distalz Management Board

Contacts

caroline.smet@univ-lille1.fr
isabelle.landrieu@univ-lille1.fr
GBitan@mednet.ucla.edu
Program

Monday, March 27

Session 1:
Chair: Frédéric Checler
8:30–9:15
Welcome and registration
9:15–9:30
Protein aggregation in neurodegenerative disorders—Overview of the workshop
Philippe Amouyel, INSERM U1167, Institut Pasteur de Lille, Lille University, Distalz
9:30–10:10
Intraneuronal molecular interactors of Aβ and tau oligomers mediating synaptic dysfunction in Alzheimer’s disease
Claudio Grassi, Catholic University of Rome, Italy
10:10–10:50
Protein-disaggregase modalities for neurodegenerative disease
James Shorter, Perelman School of Medicine, University of Pennsylvania, USA
10:50–11:20
Coffee Break
11:20–12:00
Membranes as critical parameter in the biological activity of AD inhibitors
Raz Jelinek, Ben-Gurion University of the Negev, Israel
12:00–12:30
upcoming title
Florence Pasquier, Centre Mémoire de Ressources et de Recherche, CHRU Lille, Distalz
12:30–14:00
Lunch Break

Session 2:
Chair: Gal Bitan
14:00-14:40
CLR01 in an alpha-synuclein model of presymptomatic Parkinson’s disease
Marie-Françoise Chesselet, University of California-Los Angeles, USA
14:40-15:20
Multiple system atrophy - an oligodendroglial alpha-synucleinopathy
Nadia Stefanova, Innsbruck Medical University, Austria
15:20-16:00
Understanding and treating neurodegeneration in lysosomal storage diseases
Alessandro Fraldi, Telethon Institute of Genetics and Medicine, Italy
16:00-16:30
Coffee Break
16:30-17:10
Amyloid aggregation – mechanistic insights lead to development of inhibitors
Daniel Segal, Tel-Aviv University, Israel
17:10-17:50
Monomer dynamics control the first steps of aggregation
Lisa Lapidus, Michigan State University, USA
17:50-18:30
Computational studies of supramolecular ligands and amylodogenic peptides
Elsa Sanchez-Garcia, Max Planck Institut für Kohlenforschung, Germany
19:30
Dinner

Tuesday, March 28

Session 3:
Chair: Claudio Grassi
8:30-9:00
Welcome
9:00-9:40
Aβ oligomers and synaptic plasticity in Alzheimer mice models
Frédéric Checler, CNRS UMR 7275, Nice Sophia Antipolis University, Distalz
9:40-10:10
Small molecules for modulation of protein self-assembly, toxicity, and seeding
Gal Bitan, University of California-Los Angeles, USA
10:10-10:35
Molecular Tweezers and Clips – History, New Developments, Structural Diversity
Frank-Gerrit Klärner, University of Duisburg-Essen, Germany
10:35-11:00
Coffee Break
11:00-11:30
Alzheimer’s Disease – Supramolecular Aggregation Inhibitors
Thomas Schrader, University of Duisburg-Essen, Germany
11:30-12:10
Structural mechanisms in Alzheimer’s disease
Chunyu Wang, Rensselaer Polytechnic Institute, USA
12:10-12:35
Prion-like propagation - Focus on tau species
Morvane Colin, INSERM UMR-S 1172, Lille University, Distalz
12:35-13:00
Identification of the phosphorylation pattern that drives Tau aggregation
Caroline Smet-Noocca, CNRS UMR8576, Lille University, Distalz
13:00-14:00
Lunch