CA15135 multi-targeting Biophysical Training School

Concept

The focus of this Training School will be to explore the principles underlying target identification, biochemical and cell-based assay development, small molecule screening and *in-vitro* ADME-Tox profiling as part of lead optimization to endow compounds with multi-targeting activity.

MuTaLig COST Action Committee

Stefano Alcaro, Chair (Italy) Fernanda Borges, Vice Chair (Portugal) Danijel Kikelj (Slovenia) Eugenio Gaudio (Switzerland) Sharon D. Bryant (Austria) Hanoch Senderowitz (Israel) Maria Laura Bolognesi (Italy) Maurizio Botta, (Italy) Rita Guedes (Portugal) Holger Stark (Germany) Claire Shoemake (Malta) Alfonso Garcia-Sosa (Estonia) Lucia Forzi (COST-Belgium) Svetlana Voinova (COST-Belgium)

Mu.Ta.Lig. COST ACTION CA15135 www.mutalig.eu http://www.mutalig.eu/training-schools/

COST

The mission of the European Cooperation in Science and Technology (COST) is to contribute to Europe's research and innovation capacities by enabling breakthrough scientific developments leading to new concepts and products. It is a unique platform where European researchers can jointly develop their initiatives across all scientific disciplines. (www.cost.eu).





3rd MuTaLig COST Action Training School

CA 15135



5-7 December 2018

Fraunhofer-IME Hamburg - Germany





Program

Keynote Lectures

Experts from industry and academic research will deliver exciting and informative lectures covering the following topics:

- Introduction to multi-targeting drug discovery.
- Biochemical and cell based assay development and screening.
- Methods to analyse in-vitro biological assay data.

• Analysis of images from High Content Screening. Full program to be announced on the MuTaLig Cost Action Website: http://www.mutalig.eu/training-schools/

Training Sessions

Participants will experience hands-on training sessions using experimental methods to provide a foundation for applying *in-vitro* approaches to design and discover multi-target ligands related to the mission of MuTaLig COST Action.

Topics:

- General concepts for biochemical and cell-based assays.
- Screening of biochemical and cell based assays against a small molecule library (proof-of-concept screen).
- ADME-Tox assays (e.g. cell viability, apoptosis, cardiotoxicity and mitochondrial toxicity).

Local Trainers Sheraz Gul & Oliver Keminer (Fraunhofer-IME)

Language

Local Organizing Committee

The official language of the Training School will be English. No simultaneous translation will be provided. Sheraz Gul (Fraunhofer-IME) Oliver Keminer (Fraunhofer-IME)

Logistics

Registration

Website: http://www.mutalig.eu/training-schools/ Inquiries: Sheraz.Gul@ime.fraunhofer.de *Limited places available. Register early using the registration form that will be published on the website.

Transportation

From Hamburg International Airport: (www.hamburg-airport.de) **By S-Bahn Train (45 minutes)**: take S1 train from airport to Hamburg Central Station (Hauptbahnhof). Change to S21 in the direction "Elbgaustrasse". Alight at "Eidelstedt", exit at Schnackenburgallee and turn left (there is only 1 exit). Continue along Schnackenburgallee for approximately 1 km. The Fraunhofer IME is on the left side opposite the football stadium. Cost €3.30 one-way.

(https://www.hvv.de/pdf/service/downloads/hvv_public_transport_2018.pdf)

By Taxi (30 minutes): The average cost is about €25.

Venue Fraunhofer-IME Schnackenburgallee 114 D-22525 Hamburg, Germany Accessibility S-Bahn Train: S1 & S21

