

CA15135 multi-targeting Biophysical Training School

Program

Day 1 – Wednesday 5 th December 2018	
9:00-9:30	Introductions
9:30-10:15	Lecture (Dr Sheraz Gul, Fraunhofer IME-SP) From target to Lead - overview and general concepts
10:15-10:30	Break
10:30-11:15	Invited Speaker (TBD) Example of successful output from MuTaLig COST Action
11:15-12:00	Lecture (Dr Sheraz Gul) Introduction to drug discovery and the design and development of assays
12:00-13:00	Lunch
13:00-14:00	Preparation of practical work (Dr Sheraz Gul)
14:00-19:00	Practical work - Assay Development & Screening (Group Activity)
19:00	Group Dinner
Day 2 – Thursday 6 th December 2018	
9:00-9:30	Discussion of results from Day 1
9:30-10:15	Case Study (Dr Sheraz Gul) Biochemical assay development
10:15-10:30	Break
10:30-11:15	Case Study (Dr Sheraz Gul) Cell based assay development
11:15-12:00	Case Studies (Oliver Keminer) Analysis of High Content Screening assay data
12:00-13:00	Lunch
13:00-19:00	Practical work - Assay Development & Screening (Group Activity)
19:00	Free evening - Harbour Adventure in Hamburg
Day 3 – Friday 7 th December 2018	
9:00-9:30	Discussion of results from Day 2
9:30-10:15	Invited Speaker (Prof Stefano Alcaro, Università Magna Graecia di Catanzaro) Overview of the MuTaLig COST Action
10:15-10:30	Break
10:30-11:15	Case Study (Dr Sheraz Gul) Methods to analyse <i>in-vitro</i> biological assay data
11:15-12:00	Case Studies (Oliver Keminer) Analysis of images from of High Content Screening assays
12:00-13:00	Lunch
13:00-13:45	Lecture (Dr Sheraz Gul) Design of project critical paths which integrate <i>in-vitro</i> , <i>in-vivo</i> and <i>in-silico</i> elements.
13:45-17:00	Data Analysis (Group Activity)
17:00-18:00	Compare results and identify learnings from practical course and presentations (Group Activity)
18:00	Departure

