Preclinical Drug Discovery Training- 2023
Skill Development Centre
School of Life Sciences
University of Hyderabad
22nd May – 3rd June, 2023

Hands on Training on Preclinical Drug Discovery

About

The In vitro Preclinical Drug Discovery workshop will provide advanced training on drug discovery and identification of a lead/hit molecules. The participants will have one to one hands on experience on different aspects of preclinical drug discovery including animal cell culture, cytotoxicity/viability assays, apoptosis assays, cell cycle analysis etc. It enables the participants to plan, carry out preclinical drug discovery, interpret and present the data.

Topics to be covered

• Basics of Drug Discovery – Target identification & validation
• Introduction to Molecular Modelling - CADD & SBDD
• Fundamentals of Animal Cell Culture
• Cytotoxicity assays & inhibitory concentration 50 (IC50)
• Instrument operation and setup for acquisition and analysis of flow cytometer
• Data analysis, statistics, interpretation and data presentation

Target Participants

Postgraduates/PhD students / Faculty / Scientists/Industry Professionals in any branch of Life Sciences

Number of Participants: 15

Methodology

Classroom and laboratory (in vitro) based

Course fee

Students: Rs. 30,000/-; Faculty and industry personnel: Rs. 50,000/-

(Boarding/ Lodging and food charges extra; Shared hostel accommodation will be provided based on availability in the University Hostel / Guest house)

Resource Faculty / Experts

Dr. M.K. Arunasree
Dr. Aparna Vema

Application procedure

Submit CV and statement of purpose (SOP) to:
sdc.sls.uoh@gmail.com
on or before 10th May, 2023.

For further details, Contact

• Dr. Suresh Yenugu
  Co-ordinator,
  Skill Development Centre
  Email: sdc.sls.uoh@gmail.com