



WORKSHOP on *IN SILICO* PHARMACOLOGICAL APPROACHES for AYUSH Research

Jointly organized by
AYUSH Center of Excellence
Interdisciplinary School of Health Sciences
and
Bioinformatics Centre
Savitribai Phule Pune University, Pune
on 8th to 10th July 2019

ABOUT THE WORKSHOP

Natural products have immense potential for drug discovery because of their rich phytochemistry. The understanding of the complex interactions between a plethora of chemical moieties and a number of biological targets need computational methods. *In silico* pharmacological methods have facilitated the understanding of drug and disease targets and helped to speed up the drug discovery and development process. AYUSH systems (Ayurveda, Yoga and Naturopathy, Unani, Siddha, Tibetan medicine and Homeopathy) have a lot to offer for addressing healthcare challenges. *In silico* methods include data mining, quantitative structure-activity relationships, pharmacophores, molecular modelling, machine learning, network and data analysis tools. *In silico* approaches have the potential to explore, identify, and repurpose the natural compounds from traditional systems for addressing unmet medical needs thereby promoting multi-target drug discovery.

The workshop will be useful for faculty and students working in the area of AYUSH research and pharmaceutical sciences. The sessions will include hands on activities, case studies, panel discussion, software training and interactions with experts. The seats are limited. The participant selection will be based on statement of purpose and relevance of their projects.

REGISTRATION

The aspiring participant should register using - [Google Form](#) on or before 27th June, 2019. The selected participants will be informed by an E-mail. Registration fees are as follows: **Students:** ₹2500, **Faculty:** ₹3000 & **Industry representative:** ₹3500 (including breakfast and lunch)

Highlights of the workshop:

- Overview of Bioinformatics and Systems Biology
- Network Pharmacology
- Molecular Docking
- Opportunity to interact with experts
- Drug Repurposing

Venue:
Bioinformatics Centre,
Savitribai Phule Pune University, Pune- 411007

Date:
8th to 10th July 2019

Time:
9.00 AM to 5.00 PM