Respected Sir/Madam,

Greetings from Bioinformatics Centre, Department of Pharmaceutical Sciences & Drug Research, Punjabi University, Patiala

Department of Pharmaceutical Sciences and Drug Research, Punjabi University has been awarded Bioinformatics Centre under Department of Biotechnology (DBT). This Centre is mainly focused to provide training and to develop ability in handling various computational tools, which can be explored for *in-silico* drug designing, disposition, and toxicoinformatics to PG students, doctoral fellows, Scientists from industries, and young faculty across the country. It will provide a very good platform to the young budding researchers and those who are already engaged in the field of *in-silico* drug design for interacting with the leading scientist and experts from this field. This interaction will help in understanding fundamental concept and conceptualizing research problems in the advanced molecular modeling based *in-silico* drug designing.

The centre is organizing three-days workshop on **"Computer-assisted Development and Toxicity Prediction: Notion and Significance in Drug Discovery and Development"** from **3rd to 5th June, 2024**. You are requested to kindly encourage your students, pharma colleagues and faculty of your institution to attend this workshop. I am hereby enclosing the workshop brochure.

The registration form is available at https://forms.gle/GaRF27HL3ZvS1TnG6. The deadline for submission of registration form is 1st June, 2024. Numbers of participants are limited to twenty therefore, the applications will be considered on first cum first basis. E-certificates will be issued to the participants on successful completion of workshop.

If you have any questions, please feel free to contact at bic.workshop.pup@gmail.com regarding registration for the above event.

Thank you for your consideration.

Best Regards

Department of Pharmaceutical Sciences and Drug Research

Bioinformatics Centre, DBT

Punjabi University, Patiala,

147002

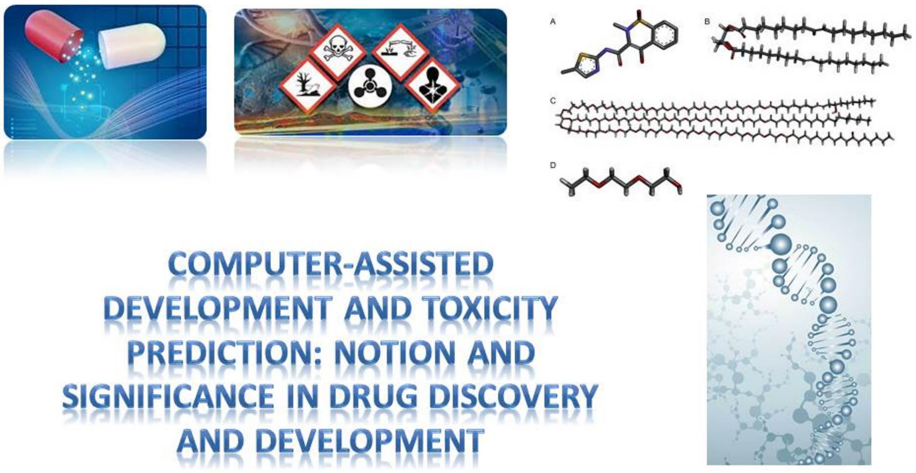
Online Workshop on

"Computer-assisted Development and Toxicity Prediction: Notion and Significance in Drug Discovery and Development"

June 3rd to 5th, 2024

Deadline for applications:

1st June, 2024



About the Centre

Bioinformatics Centre entitled **"Centre for drug design, disposition and toxicoinformatics"** at the Punjabi University, Patiala is granted by Department of Biotechnology (DBT), Govt. of India. This Centre is mainly focused to provide training and to develop ability in handling various computational tools and free-wares which can be explored for *in-silico* drug designing, disposition, and toxicoinformatics to PG students, doctoral fellows, scientists from industries,and young faculty across the country. Additionally, centre is involved in the designing of single targeted or multi targeted small molecules for different multi-factorial diseases like diabetic complications, cancer, tuberculosis, and Alzheimer's with the help of advanced molecular modeling techniques including docking, homology modeling, point mutational modeling, molecular dynamics, pharmacophore mapping, 3D-QSAR, network analysis and QSPR. This centre also deals with the utilization of *in-silico* assisted techniques for formulation development and ADMET prediction. This centre will provide a platform to the young budding researchers and those who are already engaged in the field of *in-silico* drug design for interacting with the leading scientist and experts from this field. Thus, the centre may provide deep understanding of fundamental concept and also help in conceptualizing research problems in the advanced molecular modeling based *in-silico* drug designing.

Objective

The main objective of this workshop is to provide basic understanding and training on *in silico* formulation development and toxicity prediction along with their implications in drug discovery and development to the PG, doctoral fellows and scientists from industries and young faculty across the country.

Workshop content

The workshop would be a series of scientific lectures followed by hands-on sessions on computational approaches including machine learning, QSPR, QSTR, molecular dynamics as well as various tool and databases and their applications related to toxicoinformatics and computer-assisted formulation development. The experts will be available to resolve queries of the participants.

Eligibility

PG students, doctoral fellows, pharma industry professionals, young faculty of colleges and universities.

Selection Procedure

Number of participants is limited to twenty therefore, the applications will be considered on first cum first basis. E-certificates will be issued only to those participants who will attend all sessions of the workshop and successfully complete the training.

Application procedure

Applicant can submit online Google form available at https://forms.gle/GaRF27HL3ZvS1TnG6

Application must reach on or before the 1st June 2024.

Contact us

For any queries contact through email at bic.workshop.pup@gmail.com or +91-9501019661 (Through WhatsApp only).

Organizing Committee Members

Prof. Om Silakari,
Principal Investigator, BIC
(Workshop Coordinator)

Prof. A. K. Tiwary,
Co-PI, BIC

Dr. Bharti Sapra,
Co-PI, BIC
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Prof. Gulshan Bansal
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