



To Create Globally Competent Pharmacist
**Gurunanak College of Pharmacy,
Nagpur**

Two Days Training Workshop

On

“Computers in Pharmaceutical Drug Development”

24 - 25 February 2018



Venue- Auditorium, Gurunanak College of Pharmacy,
Nagpur

ABOUT THE COLLEGE

Gurunanak college of pharmacy Nagpur was established in 2004 under the aegis of The Sikh Education Society Nagpur, recognized by AICTE and affiliated to RTM Nagpur University Nagpur. The college has completed 14 years of dedicated and excellent service in the field of technical education. The college offers UG, PG and pharmacy. The college is well known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. The college is NAAC accredited as well as received NIRF ranking.

ABOUT THE THEME

Use of computational techniques in drug discovery and development process is rapidly gaining in popularity, implementation and appreciation. There is an ever growing effort to apply computational power to the combined chemical and biological space in order to streamline drug discovery, design, development and optimization. In biomedical arena, computer-aided or in silico design is being utilized to expedite and facilitate hit identification, hit-to-lead selection, optimize the absorption, distribution, metabolism, excretion and toxicity profile and avoid safety issues. Regulatory agencies as well as pharmaceutical industry are actively involved in development of computational tools that will improve effectiveness and efficiency of drug discovery and development process, decrease use of animals, and increase predictability. It is expected that the power of Computer aided drug design and development (CADD) will grow as the technology continues to evolve. CADD is being utilized to identify hits (active drug candidates), select leads (most likely candidates for further evaluation), and optimize leads i.e. transform biologically active compounds into suitable drugs by improving their physico-chemical, pharmaceutical, ADMET/PK (pharmacokinetic) properties. Therefore faculty of academic institutions as well as students are required to be updated and trained. It should be apparent that CADD has an immense potential in today's drug development era and knowledge as well as importance of computers in drug development process. Thus exposure and training to such recent advances to faculty and students can fulfill the requirements of Pharmaceutical industries.

CONTENTS

- ✚ Drug Development Process
- ✚ Modeling approaches in Drug Development
- ✚ Preclinical (SimCYP)
- ✚ Pharmacokinetics & Population approach (Phoenix WinNonlin, Non-Linear Mixed Effects Modeling)
- ✚ Clinical Development : Data Capture & Data Review
- ✚ Formulation Development
- ✚ GI absorption simulation (GastroPlus)
- ✚ Model construction
- ✚ Parameter Sensitivity analysis
- ✚ Virtual trials (Fed vs fasted simulation)
- ✚ IVIVC & Biowaiver

RESOURCE PERSONS

Dr. Rama Sivasubramanian

Clinical Development Director

Clinical Development & Analytics

Novartis Healthcare Pvt. Ltd. Hyderabad

Mr. Punit Girdhar

Scientific Writer

Clinical Development & Analytics

Novartis Healthcare Pvt. Ltd. Hyderabad

WHO SHOULD ATTEND

Teachers, post graduate and research students pharmacy institutions. Candidates from industries and R & D organizations may also attend the workshop.

Demand Draft for the Registration Fee (Rs. 300/-) should be in favor of the “Principal, Gurunanak College of Pharmacy, Nagpur”.

HOW TO APPLY

The applicants should send their applications in the specified format through their Principal / Sponsors to reach us on or before 15.02.18. If selected they should confirm their participation in time.

SCHEDULED DATES

Last date for receipt of Applications: 18.02.2018

Registration Fees- 300/- INR

Patron

S. Gurubax Singh Lamba

President, Sikh Education Society

S. Sarabjeet Singh Kalsi

Secretary, Sikh Education Society

Organizing Committee

Convener

Dr. A.M. Ittadwar

Principal

Coordinator

Dr. V.A. Kilor

Members

Dr. V. V. Kale

Mr. K. S. Moharir, Mr. G. K. Lohiya

Mr. K.B. Bhelkar

Registration

Mr. T. M. Rasala, Mrs. S. A. Ubgade

Application form completed in all aspects is to be

sent to : Mr. T. M. Rasala

Mobile- 7038940109

Email- tirupati.rasala@gmail.com

Gurunanak College of Pharmacy Nagpur

Two Days Training Workshop On
“Computers in Pharmaceutical Drug Development”
24/02/18 to 25/02/18

APPLICATION FORM

Name : _____

Age : _____ Qualification: _____

Sex : _____ Designation: _____

Organization : _____

Address for Communication (with telephone no. & E-mail ID): _____

DD No and Date: _____

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case I am unable to attend the course.

Place :

Date :

Signature of the Applicant

I hereby certify that Dr./ Mr./Mrs./Ms. _____ is a student/ faculty of our institute and he/ she intends to attend afore mentioned workshop. I am forwarding his/ her application for the registration.

Seal and signature of HOD/ Principal