



4-6 NOVEMBER, 2019
NATIONAL HANDS ON WORKSHOP ON
“PHARMACOGENOMICS: BASICS
TO ADVANCED”

Link: [Registration form](#)

Hands on workshop

PRIMER DESIGNING, DNA EXTRACTION, RNA EXTRACTION, AGROSE GEL ELECTROPHORESIS, SANGER SEQUENCING, NEXT GENERATION SEQUENCING, HAPLOTYPE, LINKAGE ANALYSIS, STATISTICAL ISSUES IN PHARMACOGENOMICS, FUNCTIONAL ANALYSIS OF SNP.

**Utilization of
sequencing data for
pharmacogenomic
studies: Hands on
workshop**

**Venue: PGIMER,
Chandigarh**

Date: 4-6 Nov, 2019

**Medical
Pharmacologists
Society (MPS)**
**[Research Council
Initiative]**

Chairman:

Dr. Bikash Medhi
Professor,
Department of Pharmacology,
PGIMER, Chandigarh

Vice-Chairman: Dr. Ajay Prakash

Org secy.: Dr. Phulen Sarma
Co-Org secy.: Dr. Subodh Kumar
& Mrs. Gurjeet Kaur

LEARNING PROGRAM SCHEDULE

Day 1:

• INTRODUCTION TO PHARMACOGENOMICS

- Inauguration
- Pharmacogenomics: Basics.
- Techniques in pharmacogenomics.
- Primer designing (Hands on).
- DNA/RNA extraction (hands on).
- cDNA synthesis (hands on).
- Agarose gel electrophoresis (Hands on).
- Real time PCR (Hands on).
- Quantitative estimation of DNA/RNA (Hands on).

DAY 2

• SEQUENCING

- Detection of known and unknown mutation
- Principle of sanger sequencing
- Basic workflow of sanger sequencing
- Protocol (Hands on workshop)
 - (a) Quality of DNA
 - (b) Sanger PCR
 - (C) Washing of sanger pcr product
 - (D) Loading into sequencer
- Important steps of protocol
- Experimental trouble shooting
- Sanger sequencing results analysis
 - (a) Electropherograph analysis
 - (b) Softwares
 - (c) Regulatory mutation detection tools
- Data analysis

DAY 3

• NGS, RECENT ADVANCEMENT AND STATISTICAL ISSUES

- Next generation sequencing.
- Design and statistical issues in pharmacogenomic studies.
- Application of bioinformatics tools in pharmacogenomics (hands on).
- Functional impact of polymorphism: In-silico analysis.

Who can attend?

MD, DM, Ph.D., M.Sc. students and faculties in pharmacology and related streams, life sciences.

Total number of Seats

30

Fees

Students (MPS member)

6,000 INR/ 130 USD

Students (Non MPS member)

6,500 INR/150 USD

Faculty (MPS member)

8000 INR/200 USD

Faculty (Non MPS member)

8,500 INR/220 USD

Late registration

500 INR extra **(after 10 October)**

Bank details

Account Name- Medical Pharmacologist Society,

A/c No- 185001000497 (ICICI bank)

Branch- Kothanur, Bangalore,

IFSC Code- ICIC0001850

Accommodation

Own responsibility

As this is a limited seat workshop, once registered, the registration fee is non-refundable.

ORGANIZING COMMITTEE DETAILS:

Chairman	Dr. Bikash Medhi , Professor, Department of Pharmacology, PGIMER, Chandigarh
Vice-Chairman	Dr. Ajay Prakash , Asstt. Professor, Department of Pharmacology, PGIMER, Chandigarh
Organizing secretary	Dr. Phulen Sarma , Department of Pharmacology, PGIMER, Chandigarh
Co-Organizing secretary	Dr. Subodh Kumar , Department of Pharmacology, PGIMER, Chandigarh
Co-Organizing secretary	Mrs. Gurjeet Kaur , Ph.D. Scholar PGIMER, Chandigarh
Member	Dr. Shalmoli Bhattacharyya , Prof. & Head, Biophysics PGIMER, Chandigarh
Member	Dr. M. R. Shiva Prakash , Professor, Department of Microbiology, PGIMER Chandigarh
Member	Dr. Manish Modi , Professor, Department of Neurology PGIMER, Chandigarh
Member	Dr. Manoj Goyal , Professor, Department of Neurology PGIMER, Chandigarh
Member	Dr. Pramod Avti , Asstt. Professor, Department of Biophysics, PGIMER, Chandigarh
Member	Dr. Shivamurthy N. President, MPS
Member	Dr. Sanjay Bhadada , Professor, Endocrinology, PGIMER, Chandigarh
Member	Prof. Anju Gupta , Professor, Department of Paediatric Medicine PGIMER, Chandigarh

Registration form

NATIONAL HANDS ON WORKSHOP

“PHARMACOGENOMICS: BASICS TO ADVANCED: 2019”

DATE: 4-6 NOV, 2019. VENUE: PGIMER, CHANDIGARH

Name of the Participant:

Nationality:..... Age:..... Gender:.....

Email:..... Phone number:

Address:.....

.....

Name of the institute/College:

MPS registration status MPS member Non- member MPS registration number:.....

Student/Faculty
(Students have to submit studentship certificate from H.O.D.) MD DM MSc Ph.D Post doc fellow Faculty
Others (specify).....

Amount of fees paid Student, MPS member (6000 INR/130 USD) Student, Non MPS member (6500 INR/150 USD)
Faculty, MPS member (8000 INR/ 200 USD) Faculty, non MPS member (8500 INR/ 220 USD)

Mode of payment: Demand draft NEFT

DD/NEFT number:..... Bank:

For further details visit:

PGIMER website: pgimer.edu.in
Experimental pharmacology Lab, PGIMER, Chandigarh website: <http://www.eplpgi.in/>
Medical Pharmacologists society website: mpsmdparmac.org

Contact persons:

Dr. Bikash Medhi
drbikashus@yahoo.com
Phone number: 9815409652

Dr. Phulen Sarma
phulen10@gmail.com
Ph no: 8728830834

Research council MPS
Email:mpsresearchcouncil@gmail.com

How to register: Fill up the above form and send it to the below mentioned address OR Fill the Google form available in MPS website, PGIMER website and MPS website and send the printout, and demand draft/NEFT details to below mentioned address.

Click here to go to [online registration form](#)

Please send your filled up form, studentship certificate and original copy of demand draft/ printout of NEFT transaction details to

Dr. Shivamurthy N.

President, Medical Pharmacologists Society, No-41, Ground floor, 2nd Cross, 3rd main,
Guru Raghavendra Nagar, JP nagar 7th Phase, Bangalore-560078