

## Format of Registration Form

### *Application of in-silico* approaches in Biological Sciences

Name :

Designation :

Sex :

Institutional Address :

E-mail & Phone No :

How will the training help in improving the skill of the applicant (write in about 500 words);

Signature of Applicant

Date:

Place:

Comments of HOD

Supervisor (If applicable)

**Note:** Research students should route their application through respective supervisors and HoDs while teachers should submit application through their HoD/Director.

## Organizing Committee

Patron: Prof. Naveen Kumar, Director  
Institute of Science

Convener: Prof. Arvind Kumar

Co-Convener: Prof. Ashok Kumar

Prof. A.M. Kayastha

Organizing Secretary: Prof. Sukh Mahendra Singh

Co-Organizing Secretary: Dr. V.K. Singh

## Address for Correspondence

Prof. Arvind Kumar  
Coordinator & Convener  
OR  
Prof. Sukh Mahendra Singh  
Organizing Secretary  
Centre for Bioinformatics  
School of Biotechnology  
Institute of Science  
BANARAS HINDU UNIVERSITY  
VARANASI-221005

Phone No. 26701589

E-mail: bhuniv.btisnet@gov.in,  
arvindkumararvind8@gmail.com  
sukhmahendrasingh@yahoo.com

## Program

- **Application Deadline: 10 Feb., 2018**
- **Program Begins: 19 Feb., 2018**
- **Program Close: 21 Feb., 2018**



# DBT Sponsored Workshop on Application of *in-silico* approaches in Biological Sciences February 19-21, 2018



**ORGANIZED BY  
CENTRE FOR  
BIOINFORMATICS  
(SUB-DIC)**

**School of Biotechnology  
Institute of Science  
BANARAS HINDU UNIVERSITY  
VARANASI-221005**

## Centre for Bioinformatics

The Centre for Bioinformatics was established in 1989 at the School of Biotechnology, Institute of Science, Banaras Hindu University, Varanasi, as one of the Distributed Information Sub-Centres (Sub-DICs) under the Biotechnology Information System (BTIS) network. The centre became an independent unit under Institute of Science since 17 August 1998. The centre has three rooms attached to the School of Biotechnology which house all the facilities. The Centre has acquired a number of software and databases for the use of researchers.

### Aims of the Centre

- To act as a member of Bioinformatics Network System for providing information to the interested users in the area of Bioinformatics and Biotechnology.
- Centre provides online biological information through retrieval and *in-silico* (Computational Biology) applications.
- Provides internet, data search and other facilities to all the users of the university and neighboring institutes.
- The facilities of the centre are utilized for teaching of M.Sc. Biotechnology courses in general and one course namely Bioinformatics and Biostatistics is totally managed by the centre.
- To organize various training courses in the area of Bioinformatics and Biotechnology on yearly basis.

## Benefits of the Workshop

This Workshop shall provide an opportunity for Bioinformatics applications in Biological sciences. Participants shall acquire experience in comparative and functional genomics, proteomics and *in-silico* prediction of gene-gene network to understand the system biology. Computational identification and characterization of novel genes and proteins.

### Research Efforts in Bioinformatics

- Comparative and functional genomics-proteomics
- Gene fishing
- Homology modeling, protein-protein interaction and protein-drug interaction
- Microbial diversity analysis
- Biomedical genomics, proteomics
- Plant genome and transcriptome analysis

### Registration Fee & Payments

Registration fee: Rs. 1000/- (workshop)  
Participants: Maximum up to 15 for research students and scientists.  
(Fee to be submitted only upon intimation of selection. Working lunch will be organized on additional payment basis: Rs. 1000/- for the entire program)

### Important Information

Last date for submission of registration form:  
**10 Feb., 2018**



## Workshop (19-21 February, 2018)

Workshop shall be organized from 19<sup>th</sup> February, 2018 where distinguished speakers shall deliver lectures on different topics of genomics and proteomics. The event is only open for selected participants.

The workshop includes:

- (i) Real hands-on experiments using *in-silico* tools and techniques.
- (ii) Application of Bioinformatics in genomics & proteomics.
- (iii) Bioinformatics approaches from sequence analysis to phylogeny.

### Accommodation

The organizer will not provide any accommodation for out station candidates. Outstation candidates shall have to make their own arrangement for accommodation.