

CENTRE FOR BIOINFORMATICS  
PONDICHERRY UNIVERSITY  
PUDUCHERRY

June 30, 2017

CIRCULAR

Short Course on

“Development and Application of Molecular Dynamics”

Professor. Sourav Pal, Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai 400076 will give a short course on the above mentioned topic at Centre for Bioinformatics, Pondicherry University to the Faculty, Research Scholars and Students. The schedule of lectures are given below

Sl. No	Topic
1.	Introduction to simulation: Scope and the necessity
2.	Simulation methods at different length scales
3.	Quantum vs. Classical methods
4.	Classical simulation methods: Force field techniques
5.	Quantum mechanics/ Molecular Mechanics method
6.	Classical dynamics at atomistic level
7.	Bioinformatics: An important tool
8.	Mathematical Methods of Bioinformatics: An overview
9.	Computational tools for simulation and Bioinformatics

Note: In addition to above lectures some hands-on exercises will be conducted.


**Duration** : Lectures + Practical (10 Hrs)

**Dates** : July 6 – 8<sup>th</sup>, 2017.

**Time** : July 6<sup>th</sup> & 7<sup>th</sup> - 4:30 P.M. to 7:30 P.M; July 8<sup>th</sup> - 11.00 AM to 01.00 PM & 3.00 to 5.00 PM.

**Venue** : Seminar Hall, Center for Bioinformatics

Lectures are open to all research scholars, students and faculty of PU; Computational/Biological/Chemistry knowledge is desirable. Interested candidates can register online at [www.bicpu.edu.in](http://www.bicpu.edu.in). Faculty members, Research Scholars and students from other departments are requested to register online. Take a printout of the filled in form sent to their respective mail ids and forward through proper channel to the **Centre Head, Centre for Bioinformatics**. Last date for receiving the registration form is **July 5, 2017**. Maximum number of vacancies is 40 out of which 20 are reserved for applicants from the Center for Bioinformatics. An assessment test will be conducted at the end of the short-course. Successful candidates will be given a certificate.

  
Dr. S. Mohane Coumar  
Seminar coordinator

  
Dr. H. Surya Prakash Rao  
Centre Head (i/c)

Copy to

1. PA to the Vice-Chancellor, Pondicherry University for kind information to the VC (officialing)
2. PA to the Registrar, Pondicherry University for kind information to the Registrar
3. The DR (Aca), AR (P&D), Pondicherry University
4. The Systems Manager, Pondicherry University for display in the university web-site
5. The Director, Media Center with a request to video record all the lectures
6. The Dean, SLS, SOPCAS, Engineering, Mathematics
7. HODs of Departments of Bio-Technology, Biochemistry and Molecular Biology, Ecology and Environmental Sciences, Food Science and Nutrition, Microbiology, Bioinformatics, Chemistry, Physics, Earth Sciences, Center for Nanoscience and Technology, Centre for Green Energy and Technology, Pollution Control and Energy Technology etc.

Dr. H. S. Prakash Rao,  
Centre Head (i/c)  
Centre for Bioinformatics,  
School of Life Sciences,  
Pondicherry University, Puducherry-14.