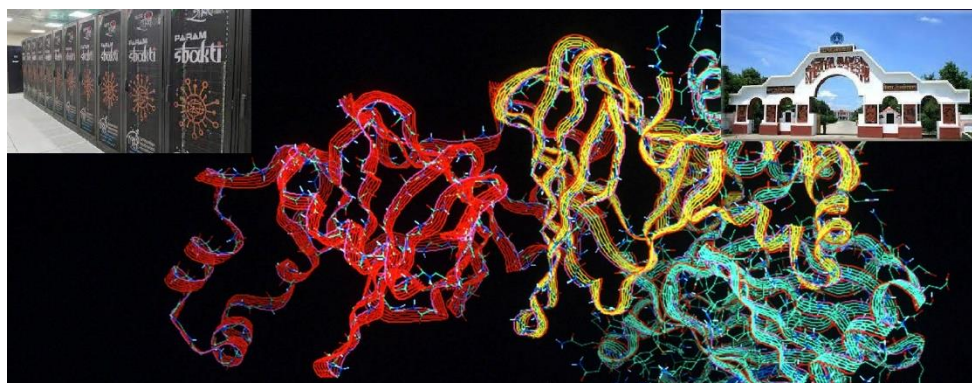


Online Workshop on High Performance Computing and AI for Computational Biology

October 29-30, 2021

Organized by IIT Kharagpur and Tezpur University
Under the aegis of National Supercomputing Mission



About the Workshop:

The workshop will cover various aspects of application of high performance computing (HPC) and artificial intelligence (AI) techniques to computational biology.

Tentative Topics:

- Introduction to HPC
- Introduction to MPI
- Introduction to OpenMP
- AI for Computational Biology
- Parallel Whole-Cell Simulation
- Overview of Optical Simulation
- Genotypic-Phenotypic Analysis
- Molecular Dynamics using GPU
- Advances in Genomics with HPC

Speakers:

Ashish Kuvelkar, C-DAC
Aditya Kumar, Tezpur University
Anupam Nath Jha, Tezpur University
Kapil Debnath, IIT Kharagpur
Pabitra Mitra, IIT Kharagpur
Pralay Mitra, IIT Kharagpur
Riddiman Dhar, IIT Kharagpur
Somnath Roy, IIT Kharagpur

Workshop Links:

[Online Registration Form](#)

Webpage:

www.ccds.iitkgp.ac.in/hpccb.html

Contact email: ccdsffi@ccds.iitkgp.ac.in

Important Dates:

Last date for registration: *October 22, 2021, 5:00PM*
(Registration may close earlier, if capacity is reached. Early registration is recommended.)

Notification and sharing of link: *October 25, 2021*

Who should attend:

Scientists, Industry Professionals, Faculty Members, Postdoctoral Fellows, Doctoral, UG/PG Students

Organizing Committee:

Aditya Kumar, Tezpur University
Anupam Nath Jha, Tezpur University
Pralay Mitra, IIT Kharagpur
Ashish Kuvelkar, CDAC
Somnath Roy, IIT Kharagpur

