



Back-to-Back Workshops (2–4 days each) for Data Analysis in Genomics, Transcriptomics and Proteomics

Dates: 22–31 December 2013

Each module is independent. Participants (students, researchers and teachers of life science background) can **select one, two or all modules**.

Generalized structure: Overview lectures and demonstrations (~30%) followed by hands-on case studies (~70%) on each topic.

Topics: (i) Access and analysis of data from NGS (assembly, SNP, CNV variations, metagenomics and RNA-seq) experiments; (ii) Access and analysis of data from microarray and mass-spec experiments; (iii) Annotations and analysis with protein–protein interactions and pathway studies; (iv) Drug designing and related steps (ligand screening and docking, molecular simulations and homology modelling).

Other courses: Advanced literature search and biocuration (1–2 January 2014) for researchers, and career planning (20–21 December 2013) for students/beginners.

20 seats only!

Details: www.ibab.ac.in/shodhaka@ibab.ac.in



BOSE INSTITUTE
P-1/12 C.I.T. SCHEME-VIIM
KOLKATA 700 054

Advt No.: S/MICRO/25/2013-14

Bose Institute, Kolkata, invites applications from Indian citizens for one (01) temporary position of Junior Research Fellow in the DAE sponsored project entitled '**Exploration of promoters of biotechnological importance from metagenomic DNA**' under Dr Tapan Kumar Dutta, Department of Microbiology. The project is tenable for three years.

For details of qualification, fellowship, age, etc. please visit the Bose Institute website: www.icbose.ac.in/advertisement.html. Application should reach addressed to **The Registrar**, Bose Institute, P-1/12, C.I.T. Scheme VII-M, Kankur-gachi, Kolkata 700 054 on or before **26 November 2013**.

Registrar

Joint Entrance Screening Test JEST-2014

**For Ph.D. Programmes in Physics/Theoretical
Computer Science/Neuroscience**

Applicants seeking admission for a Ph.D./Integrated Ph.D. Programme in Physics or Theoretical Computer Science or Neuroscience in one of the participating institutes may appear for the Joint Entrance Screening Test (JEST).

The participating institutes are: ARIES Nainital, HBNI Mumbai, HRI Allahabad, ICTS-TIFR Bangalore, IGCAR Kalpakkam, IIA Bangalore, IISc Bangalore, IISERs at Mohali, Pune and Thiruvananthapuram, IMSc Chennai, IOP Bhubaneswar, IPR Gandhinagar, IUCCA Pune, JNCASR Bangalore, NBRC Gurgaon, NCRA-TIFR Pune, NISER Bhubaneswar, PRL Ahmedabad, RRCAT Indore, RRI Bangalore, SINP Kolkata, SNBNCBS Kolkata, TCIS-TIFR Hyderabad, TIFR Mumbai, UGC-DAE-CSR Indore and VECC Kolkata.

Candidates for Physics/Theoretical Computer Science/Neuroscience can apply ON-LINE through the web page mentioned below. An application fee is payable.

The exam will be conducted simultaneously at various centres across India.

Important dates:

- **Date of examination:** Sunday, **16 February 2014**, from 10.00 a.m. to 1.00 p.m.
- On-line application will be enabled at <http://www.jest.org.in> from 11 November 2013.

Visit <http://www.jest.org.in> for applying and more information