



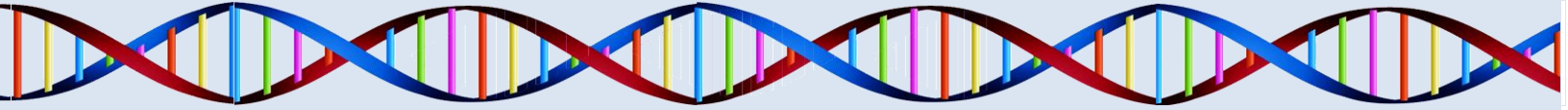
Training programme
on
**Computational Tools for Genome Resource
Data Analysis in Fisheries Domain**
(October 12th – 22nd 2011)



Sponsoring Authority
National Agricultural Bioinformatics Grid

About the Training Programme

The completion of Human Genome Project and sequencing projects of other model organisms resulted in generation of vast array of the genomic and proteomic data. The requirement of handling this data to derive meaningful results gave rise to the discipline of bioinformatics. Bioinformatics amalgamates the knowledge of computers, molecular biology information, statistical concepts and mathematical principles to draw important inferences of the ongoing life processes. With the objective to spread awareness and disseminate bioinformatics concepts among the research community National Agricultural Innovative Project (NAIP), ICAR sanctioned a mega project 'Establishment of National Agricultural Bioinformatics Grid' (NABG) and National Bureau of Fish Genetic Resources (NBFGR), Lucknow has been recognized as a nodal centre of fisheries domain. NBFGR takes the opportunity to organize a training programme on '**Computational Tools for Genome Resource Data Analysis in Fisheries Domain**' to make researchers acquainted with Fish Bioinformatics concepts. This training will also provide knowledge about the recent trends of bioinformatics research and help to understand application of tools and softwares for management and analysis of fish genome data.



About NBFGR

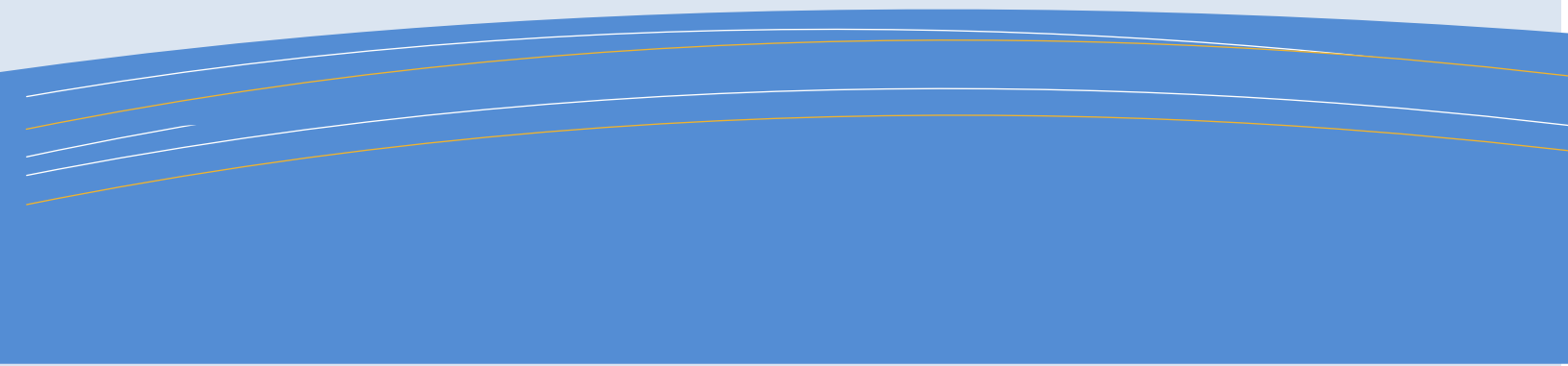
The National Bureau of Fish Genetic Resources established in 1983 has emerged as a Center of Excellence in cataloguing and conserving aquatic bio-resources of India. The Bureau has been promoting database development, genotyping, registration of aquatic germplasm, genebanking and evaluation of endangered and exotic fish species. It has developed modern facilities with state-of-art facilities for genomic and proteomic research, gene bank, tissue repository, cell culture facility and DNA Bar-coding laboratory. It has also been identified as a collaborating institute to collect and compile the fish genomic information for establishing data warehouse for fisheries domain under NABG.

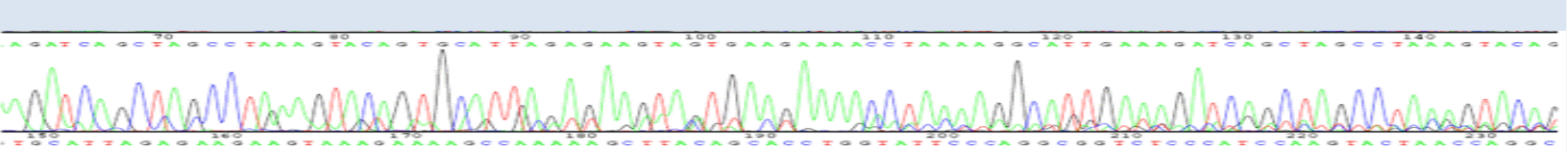
Objectives of the Training

- To acquaint the participants with the application of Bioinformatics in Fisheries domain.
- To impart hands on training on important bioinformatics software and tools.

Course content

- Sequence alignment
- Genome data analysis
- Functional Genomics
- Phylogenetic analysis
- EST data analysis
- Genetic diversity analysis
- Introduction to Bioinformatics programming skills
- Understanding Neural Networks in Bioinformatics
- Database Management System





Computational Tools for Genome Resource Data Analysis in Fisheries Domain

APPLICATION FORM

- Name of the Applicant : _____
- Research Institute : _____
- Designation : _____
- Official address : _____

- Telephone No : _____
- Mobile No : _____
- E-mail address : _____
- Area of research : _____
- Bioinformatics related experience : _____

Date

Signature of competent authority

Signature of Applicant

Instructions to participants:

- The complete application should be emailed to nabg.nbfgr@gmail.com latest by **August 20th 2011** and a copy of the same to usarkar1@rediffmail.com & nsnagpure@gmail.com.
- The applications should be forwarded by competent authority of the respective Institute.
- The application form and other details are available at: <http://www.nbfgr.res.in/>.
- The selected participants will be paid TA/DA as per rules. Train fare is limited to AC II tier of railways on submission of ticket numbers.
- Free boarding and lodging will be provided to the participants during the training program.



Eligibility

Scientists/researchers/faculty members of middle level from NARS system and conventional Universities working in area of biological sciences and bioinformatics.

Number of participants: 25

Last date for receipt of nomination: Aug 20th 2011

Intimation to selected candidates: Sep 5th 2011

How to apply

Eligible candidates from ICAR/ SAUs/ Conventional universities may apply using the prescribed application form available in the brochure along with short biodata on or before August 20th 2011. Selected candidates will be informed regarding their confirmation through email.

How to reach

The campus of NBFGR is located 6 kms from Charbagh Railway Station and 7 kms from Amausi Airport, both of which are well connected with Auto/ Taxi services. Kindly avail prepaid Auto/ Taxi for reaching NBFGR.



For further query please contact

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Director

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Lucknow- 226002

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Weather conditions

During October, Lucknow experiences very pleasant weather condition with temperature around 20-25°C, which is an ideal season to visit the city.