

BIOINFORMATICS TRAINING CALENDAR

2008
2009

BIOINFORMATICS

TRAINING

CALENDAR

2008-2009

Department of Biotechnology

Ministry of Science & Technology

Govt. of India

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Published by Apex Biotechnology Information Centre, Department of
Biotechnology, Ministry of Science & Technology, Govt. of India

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FOREWARD

Bioinformatics is now on a growth phase. The BTISnet of the department of biotechnology is currently focusing on implementation of theme based Bioinformatics R&D programs by pooling expertise in different fields of modern biology and biotechnology. Cell Biology and Systems Biology are going to be the trends of bioinformatics applications towards drug discovery and development. It is expected that 60 percent of cost savings and about 30 percent of time savings would be possible in the drug development process through the bioinformatics usage. This allows research organizations to eliminate several combinations of target molecules at the simulation stage itself there by reducing number of potential targets that have to be validated in the laboratory. Also traditional wet-lab methods are unable to handle huge amount of data being generated from genomics, proteomics and related research areas. Hence bioinformatics plays an increasingly significant role in managing and harvesting valuable knowledge from the volumes of data generated with the help of high throughput technologies which are now routinely used in biotechnology R&D and manufacturing laboratories.

Since 1986, the DBT is constantly promoting bioinformatics in the country. Initially the emphasis was on infrastructure creation, human resource development, resource building and integration. The department is now encouraging consortium based R&D projects like Bioinformatics applications on Tuberculosis, Kala-azar, Rice, Mango etc. These projects are being implemented in association with the Ministry of Health, ICMR and ICA. The Bioinformatics will help in integration of vast primary information resources for extracting in-depth knowledge which are otherwise not possible by other means. The knowledge which is generated out of bioinformatics shall be validated in association of wet-lab experimental biologists for practical applications

In order to strengthen bioinformatics capabilities in the country the BTISnet centres are conducting various short term training courses which are collated and given in this publication. A total of 104 training courses are proposed to be conducted in this financial year. We hope that these courses will be highly useful for the scientific community. The soft copy of the publication can be viewed/ downloaded from our website <http://www.btisnet.gov.in>.

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PREFACE

The need of bioinformatics tools and expertise has increased as several genome sequencing projects have resulted in an exponential growth of sequence based information resources. Knowledge Discovery from Data (KDD) which is a new term used in bioinformatics helping to extract interesting nontrivial, implicit, previously unknown and potentially useful information from data. The Biotechnology Information System Network (BTISnet) of the Department of Biotechnology is making all its efforts towards the effective utilization of various applications of bioinformatics and computational biology for accelerating biology and biotechnology R&D and Teaching activities.

BTISnet is functional from the year 1986-87 and the network is covering 143 institutions spread geographically all over the country. This includes an Apex Biotechnology Information centre at DBT, five Centre of Excellences (CoEs), ten Distributed Information Centres (DICs), 51 Distributed Information Sub Centres (Sub-DICs) and 76 Bioinformatics Infrastructure Facilities for Biology Teaching through Bioinformatics (BTBI). A super computer facility for bioinformatics and Computational Biology is also part of the BTISnet.

Besides these the network also comprise of six Interactive Graphics Facilities, Five Bioinformatics Long term courses and over 40 Bioinformatics R&D projects. More than 100 Databases in different fields of Biotechnology and 50 software packages have been developed and are made available for the open access. Over 40000 researchers and scholars are regularly interacting with the BTISnet centres seeking various applications of Bioinformatics. Quality Research publications are growing from India both in biotechnology and bioinformatics with the support of BTISnet. 1500 publications have been published from India which is exclusively from the bioinformatics field during the last five years. Now the focus is on theme based consortium projects like TB Bioinformatics and Rice Bioinformatics.

Bioinformatics is a multidisciplinary subject and therefore the researchers and students are to be trained continuously to upgrade their knowledge and skills in this area. In view of this the BTISnet centres are conducting several short term courses every year. In this year a total of 104 training courses are proposed to be organized in nine different broad areas. "Calendar (2008-09) at a Glance" is also appended at the end of this booklet for quick review of the training courses offered by different centres. We are confident that the Training Calendar will be useful for availing required trainings by the interested researchers. Suggestions and comments on the training courses are most welcome and the same may be sent to madhan.dbt@nic.in

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SYMPOSIA/
WORKSHOP**

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**TRAINING
PROGRAMMES
CENTRE WISE
DETAILS OF
COURSES**

Advanced Centre for Treatment Research and Education in Cancer (ACTREC), Mumbai

Training Code: [ACTREC-01]

Title	:	Applications in Bioinformatics
Date (from ___ to __)	:	January 15th 16th, 2009
Duration (in number of days):	:	2 Days
Subject Area	:	Computational and Structural Bioinformatics

OBJECTIVES: Increasing the awareness about usefulness of bioinformatics tools and importance of databases in contemporary biomedical research.

CONTENTS: Database concept, Biological Databases, and Sequence analysis, Biostatistics, Structural Bioinformatics, Cancer Biology & Proteomics.

METHODOLOGY : Lectures, Demos, Hands on session.

LEVEL OF PARTICIPANTS : Lecturer from various colleges and universities, Research Scholars actively engaged in Bioinformatics related field.

PREREQUISITES : Master Degree/ Ph.D. in Biological Sciences; Familiarity to computer use.

NUMBER OF PARTICIPANTS : 15-20

REGISTRATION FEE (if any):

Participants from	Without Accommodation	With Accommodation
India	Rs. 500/-	Not available
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Training Code: [AGU-01]

Title	: National Workshop on Genome Informatics
Date	: January 05 th - 07 th 2009
Duration:	: 3 Days
Subject Area	: Genome and Proteome Analysis

OBJECTIVES: To provide hands on training on bioinformatics tools and databases in genome analysis and to appraise researchers with its applications in biological research.

CONTENTS: Tools for genome analysis, Functional genomics, Proteome Analysis, Applications of Bioinformatics tools (PC and Linux based) in genome and proteome analysis.

METHODOLOGY : Lectures, Demos and Hands on training.

LEVEL OF PARTICIPANTS : Young Academicians, Scientists, Research Scholars and PG Students.

PREREQUISITES : Life Science background with basic knowledge of computers.

NUMBER OF PARTICIPANTS : 25

EXPECTED DATE OF ANNOUNCEMENT : October 2008.

Boarding & lodging arrangements etc. Upon request participants may be provided with accommodation in hostel/ hotel against payment.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 1000/-(Academicians/ Scientists) Rs. 500/-(Research Scholars & PG students) Rs. 50/- per day	Accommodation charges will be payable on actual basis For Hostel:

Contact Address

Prof. S. Karutha Pandian, Coordinator

Phone : 04565-225215
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E-mail : sk_pandian@rediffmail.com
Web -Address : www.alagappabiotech.org

Aligarh Muslim University, Aligarh

Training Code: [AMU-01]

Title	: Workshop on “Exploring proteins with Bioinformatics”
Date (from - to -)	: February 17 th - 19 th 2009
Duration (in number of days):	: 3 Days
Subject Area	: Genome and Proteome Analysis

OBJECTIVES: Training is targetted to acquaint Ph.D. students and teachers working in the area of biotechnology or the areas related to biotechnology with the application of bioinformatics in genomics and proteomics.

CONTENTS: Bioinformatics resources, Molecular Modeling, Molecular Dynamics, Proteomics, Computer Network Technology and online and offline software and Databases.

METHODOLOGY : Lectures, Demos and Hands on training.

LEVEL OF PARTICIPANTS : Scientists, Researchers, M.D. and Ph.D. Students.

PREREQUISITES : Basic knowledge of computers.

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : January 2009.

Boarding & lodging arrangements etc. : As per request.

Any other relevant information, if any: Nil

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 500/-	Rs. 1000/-
SAARC Countries	USD 50/-	USD 100/-
Other Countries	USD 50/-	USD 100/-

Contact Address

Prof. M. Saleemuddin, Coordinator

Phone : 571-2720388
Fax : 571-2721776
E-mail : alg_btisamua@sancharnet.in
Web –Address : http://www.bioinformaticsamu.tripod.com

Anna University, Chennai

Training Code: [AU-01]

Title	: Workshop on Sequence Analysis & Molecular Simulations
Date (from - to -)	: December 10 th -13 th 2008
Duration (in number of days):	: 4 Days
Subject Area	: Computational and Structural Bioinformatics

OBJECTIVES: To give training in sequence analysis and molecular simulations to researchers and college teachers.

CONTENTS: Biological sequence analysis, Molecular Simulations, Molecular Dynamics and Docking.

METHODOLOGY : Lectures, Demos, Hands on session and projects.

LEVEL OF PARTICIPANTS : College Professors, Lecturers, Post Doctoral Candidates, Research Scholars and interested persons from companies .

PREREQUISITES : Knowledge in computers and molecular biology.

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : Second week of September 2008.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 1500/-	Not available

Contact Address

Prof. P. Gautam, Coordinator

Phone : 044-22350772 Fax : 044-22350299 E-mail : tkothai@annauniv.edu, tkothai@yahoo.com Web –Address : www.annauniv.edu/biotech

College of Veterinary Sciences, AAU, Guwahati

Training Code: [AAUCVS-01]

Title	: Bioinformatics:Current approaches and applications
Date (from - to -)	: September 23 rd - 26 th 2008
Duration (in number of days):	: 4 Days
Subject Area	: General Bioinformatics Training

OBJECTIVES: To familiarize teachers/ researchers about the emerging trends & applications of Bioinformatics in genomic research and in analysis and interpretation of biological data.

CONTENTS: Retrieval of information from Biological Databases, DNA and Protein Sequence analysis, Phylogenetic analysis, Gene and Protein Predictions.

METHODOLOGY : Lectures, demos and hands on session.

LEVEL OF PARTICIPANTS : Teachers/ Researchers/ Ph.D. Scholars

PREREQUISITES : Preliminary knowledge of computers and internet

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : August 25, 2008.

Boarding & lodging arrangements etc. : Limited number of participants may be accommodated in the University Guest House against payment.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 600/-	Rs. 1000/-

Training Code: [AAUCVS-02]

Title	: Molecular Techniques and Bioinformatics tools in Biological Research
Date (from - to -)	: December 02 th - 05 th 2008
Duration (in number of days):	: 4 Days
Subject Area	: Bioinformatics with respect to Medical Sciences

OBJECTIVES: To provide hands on training on application of molecular techniques and bioinformatics tools in biological research to teachers/researchers of biological, veterinary, medical and agricultural sciences.

CONTENTS: Application of Molecular techniques (Electrophoresis, PAGE, ELISA, RNA-PAGE, PCR, RT-PCR etc.) in biological research, Bioinformatics web resources & tools, Online databases & retrieval of biological information, Sequence and Phylogenetic analysis etc.

METHODOLOGY : Lectures, demos and hands on session.

LEVEL OF PARTICIPANTS : Teachers/ Researchers/ Ph.D. Scholars

PREREQUISITES : Preliminary knowledge of computers and internet, experience in biological/ bio-medical research

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : November 01, 2008

Boarding & lodging arrangements etc. : Limited number of participants may be accommodated in the University Guest House against payment.

Contd.....

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 600/-	Rs. 1000/-

Contact Address
Dr. Probodh Borah, Coordinator

Phone : 0361-2334990 (O), 2307329 (R), 09435116191 (M)
Fax : 0361-2337700
E-mail : borahp@rediffmail.com
Web -Address : www.vetbifguwahati.ernet.in/www.biftraining.bolgspot.com

Banaras Hindu University, Varanasi

Training Code: [BHU-01]

Title	: Bioinformatics and Sequence Analysis
Date (from - to -)	: October 15 th - 17 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: Genome and Proteome Analysis

OBJECTIVES: To create awareness among participants for use of bioinformatics tools in their research work.

CONTENTS: Introduction to Bioinformatics Sequence, Search tools, BLAST and FASTA etc.

METHODOLOGY : Lectures, demos and hands on session.

LEVEL OF PARTICIPANTS : Research Scientists / Ph.D. Scholars

PREREQUISITES : Must have basic knowledge of computers

NUMBER OF PARTICIPANTS : 15

EXPECTED DATE OF ANNOUNCEMENT : September 2008

Boarding & lodging arrangements etc. : Shall be arranged

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 500/-	
SAARC Countries		
Other Countries		

Training Code: [BHU-02]

Title	: Bioinformatics and Microbial Diversity Analysis
Date (from - to -)	: January 07 th - 09 th , 2009
Duration (in number of days):	: 3 Days
Subject Area	: Bioinformatics with respect to Environment & Biodiversity

OBJECTIVES: To create awareness among participants for use of bioinformatics tools in their research work.

CONTENTS: Introduction to Bioinformatics Microbial Diversity

METHODOLOGY : Lectures, demos and hands on session.

LEVEL OF PARTICIPANTS : Research Scientists / Ph.D. Scholars

PREREQUISITES : Must have basic knowledge of computers

NUMBER OF PARTICIPANTS : 15

EXPECTED DATE OF ANNOUNCEMENT : December 2008

Boarding & lodging arrangements etc. : Shall be arranged

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 500/-	
SAARC Countries		
Other Countries		

Contact Address

Prof. Anil Kumar Tripathi, Coordinator

Phone : 0542-2368331, 2368364
Fax : 0542-2368693, 2368174
E-mail : coordinator_bhu@rediffmail.com
Web –Address : tripathianil@rediffmail.com, coordinator_bhu@rediffmail.com

Banasthali Vidyapith, Banasthali

Training Code: *[BANV-01]*

Title	: Computational approaches in Biological Data Mining
Date (from - to -)	: December 06 th - 08 th , 2008
Duration (in number of days):	: 3 Days
Subject Area	: Knowledge Discovery from Data (KDD)

OBJECTIVES: To promote awareness skills using online and offline information retrieval using internet and CD ROMs databases and scientific software and their application in teaching and research in biological sciences, Retrieval and searching of biological databases.

CONTENTS: Introduction to biological databases, Biological resources in the cyberspace, Retrieval of Data from biological databases and access to online journals.

METHODOLOGY : Theory lectures and live practical demonstration on biological databases/resources on internet by the experts as well as handouts on sessions.

LEVEL OF PARTICIPANTS : Ph.D. and Post Ph.D. students, College & University teachers and scientists in research institutions.

PREREQUISITES : Knowledge in Computer Package and Molecular Biology

NUMBER OF PARTICIPANTS : Maximum 30

EXPECTED DATE OF ANNOUNCEMENT : September first week.

Boarding & lodging arrangements etc. : Will be arranged on sharing basis in the guest house.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 500/-	Rs. 1000/-
SAARC Countries	Rs. 500/-	Rs. 1000/-
Other Countries	Rs. 1000/-	Rs. 1500/-

Contact Address**Dr. Vinay Sharma, Coordinator**

Phone : 01438-228302, Ext. 01438-228341, 380 (O)

Fax : 01438-228365

E-mail : vinaysharma30@yahoo.co.uk

Web -Address : www.banasthali.org

Barkatullah University, Bhopal

Training Code: [BU-01]

Title	: Bioinformatics and Biological Information Resources
Date (from - to -)	: August 12 th - 14 th , 2008
Duration (in number of days):	: 3 Days
Subject Area	: General Bioinformatics Trainings

OBJECTIVES: To increase the awareness of biological resources available online and techniques of retrieval.

CONTENTS: Introduction to bioinformatics, biological data types, biology resources, biology data retrieval techniques.

METHODOLOGY : Lectures, Demos and Hands on session.

LEVEL OF PARTICIPANTS : Bachelor and Master level students from biology

PREREQUISITES : Computer basic knowledge and internet usage.

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : 15th July 2008

Boarding & lodging arrangements etc. : Boarding and lodging arrangement will be made on request.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 300/-	Rs. 600/-

Training Code: [BU-02]

Title	: Bioinformatics in Microbial Genomics
Date (from - to -)	: November 17 th - 22 nd , 2008
Duration (in number of days):	: 6 Days
Subject Area	: Genome and Proteome Analysis

OBJECTIVES: To train the research scholars and faculties in the use of bioinformatics tools in microbial genome analysis.

CONTENTS: Microbial genome features and diversity, General tools used in sequence analysis, characterization of genome, comparative genomics and application.

METHODOLOGY : Workshop.

LEVEL OF PARTICIPANTS : Research Scholars and faculties working in the field of Life science

PREREQUISITES : Computer knowledge, knowledge of installation of software tools and internet usage.

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : 1st October 2008

Boarding & lodging arrangements etc. : Boarding and lodging arrangement will be made on request.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 1500/-	Rs. 2500/-

Training Code: [BU-03]

Title	: Phylogenetics Analysis Algorithms and Tools
Date (from - to -)	: February 09 th - 12 th , 2009
Duration (in number of days):	: 4 Days
Subject Area	: Computational Bioinformatics

OBJECTIVES: To train the research scholars and faculties working in the area of biodiversity.

CONTENTS: Introduction to Phylogenetic analysis, Algorithms related to phylogenetic analysis, Methodology for Phylogenetics Analysis, Tools available for Phylogenetics Analysis.

METHODOLOGY : Workshop

LEVEL OF PARTICIPANTS : Research Scholars and faculties working in the field of Life science

PREREQUISITES : Computer knowledge, knowledge of installation of software tools and internet usage.

NUMBER OF PARTICIPANTS : 15

EXPECTED DATE OF ANNOUNCEMENT : 1st January 2009

Boarding & lodging arrangements etc. : Boarding and lodging arrangement will be made on request.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 1000/-	Rs. 1500/-

Contact Address
Dr. Anil Prakash, Coordinator

Phone : 0755-2677748
Fax : 0755-2485656
E-mail : ap_btsbpl@mail.bsnl.in
Web -Address : www.bioinfubpl.nic.in

Biotech Consortium India Limited, New Delhi

Training Code: [BCIL-01]

Title	: Commercialisation of Biotechnology
Date (from - to -)	: February 20 th 2009
Duration (in number of days):	: 1 Days
Subject Area	: Commercial aspects of Biotechnology

OBJECTIVES: To create awareness among representatives from research institutions, industries, academia and PG students on commercial aspects of biotechnology including various issues involved in technology and know-how evaluation and transfer, importance of drafting of comprehensive license agreements and contracts, IPR issues, licensing and regulatory requirements etc.

CONTENTS: Business oppurtunities and key issues concerning commercialization of biotechnology including technology evaluation, maximizing intellectual assets through patenting, technology transfer process, financing options under public private partnership, Techno-preneurship and business oppurtunities in biotechnology and venture capital.

METHODOLOGY : Presentation by experts followed by panel discussion.

LEVEL OF PARTICIPANTS : Representatives from research institutions, industry, academicians, financial institutions, Govt. Departments and PG students.

PREREQUISITES : Should be actively engaged in biotechnology research/ development and commercialization.

NUMBER OF PARTICIPANTS : 70-100

EXPECTED DATE OF ANNOUNCEMENT : January, 2009.

Boarding & lodging arrangements etc. : To be arranged by the participants on their own.

Contd.....

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 3000/-	NA
SAARC Countries	NA	NA
Other Countries	NA	

Contact Address
Dr. Purnima Sharma, Coordinator

Phone : 011-23219064/ 65/ 66/ 67
Fax : 011-23219063
E-mail : info.bcil@nic.in
Web -Address : www.bcil.nic.in

Biotech Park in Biotechnology City, Lucknow

Training Code: [BP-01]

Title	: Computational Tools and Databases for Genomics & Proteomics
Date (from - to -)	: May 27 th - 29 th , 2008
Duration (in number of days):	: 3 Days
Subject Area	: Genome and Proteome Analysis

OBJECTIVES: To give an in-depth idea of the role of computational tools & biological databases in sequence alignment, comparative genomics, phylogenetic analysis, molecular modeling, molecular mechanics and molecular visualization.

CONTENTS: Protein structure prediction tools, genome analysis tools, protein modeling tools, dynamics of protein solvents, molecular simulation, general approaches for drug development, In-silico drug development, micro-array techniques, pharmaco-genomics.

METHODOLOGY : Lectures, Demonstrations and hands on session.

LEVEL OF PARTICIPANTS : Scientists, Research Scholars, Post graduate students in biological/ chemical/ medical/ engineering discipline.

PREREQUISITES : Minimum science graduate having basic knowledge of computer operation.

NUMBER OF PARTICIPANTS : 20

Boarding & lodging arrangements etc. : No

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 2000/-	
SAARC Countries		
Other Countries		

Training Code: [BP-02]

Title	: Bioinformatics in Molecular Modeling, Data Analysis & System Biology
Date (from - to -)	: August 08 th - 09 th 2008
Duration (in number of days):	: 2 Days
Subject Area	: Bioinformatics with respect to Medical Sciences

OBJECTIVES: The course is aimed to give a brief overview about the structural aspect of bioinformatics, system biology, genomics and proteomics approaches for drug development and related areas.

CONTENTS: Comparison of protein sequence through algorithm and softwares, multiple sequence alignment of protein, protein structure prediction tools, genome analysis tools, protein modeling tools, molecular simulation, general approaches for drug development, in-silico drug development, micro-array techniques, pharmaco-genomics.

METHODOLOGY : Lectures, Demonstrations and hands on session.

LEVEL OF PARTICIPANTS : Scientists, Research Scholars, Post graduate students in biological/ chemical/ medical/ engineering discipline.

PREREQUISITES : Minimum science graduate.

NUMBER OF PARTICIPANTS : 20

Boarding & lodging arrangements etc. : No

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 1500/-	
SAARC Countries		
Other Countries		

Training Code: [BP-03]

Title	: In-silico analysis of Bio Molecules and Drug Designing
Date (from - to -)	: November 06 th -08 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: General Bioinformatics Trainings

OBJECTIVES: To provide a platform to young researcher and students about advancement of bioinformatics tools and their applications in different field of biotechnology, In-silico drug development.

CONTENTS: Sequence analysis, molecular docking, protein modeling, sequence refinement and validation, receptor-ligand interaction, homology modeling, pharmacogenomics and rational drug designing.

METHODOLOGY : Lectures, Demonstrations and hands on session.

LEVEL OF PARTICIPANTS : Scientists, Research Scholars, Post graduate students in biological/ chemical/ medical/ engineering discipline.

PREREQUISITES : Minimum science graduate.

NUMBER OF PARTICIPANTS : 20

Boarding & lodging arrangements etc. : No

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 2000/-	
SAARC Countries		
Other Countries		

Training Code: [BP-04]

Title	: Bioinformatics and its application in RNAi
Date (from - to -)	: February 17 th - 19 th 2009
Duration (in number of days):	: 3 Days
Subject Area	: Bioinformatics with respect to Medical Sciences

OBJECTIVES: To impart knowledge about the importance of readily available bioinformatics software tools, how to access, utilize and implement them for the benefit of biotechnology, analysis of gene silencing, whole genomes and proteome.

CONTENTS: Bioinformatics and its application of IT for R&D, online databases, RNA interface, databases, prediction approaches, annotation of genome sequence for gene prediction and other structural elements.

METHODOLOGY : Lectures, Demonstrations and hands on session.

LEVEL OF PARTICIPANTS : Scientists, Research Scholars, Post graduate students in biological/ chemical/ medical/ engineering discipline.

PREREQUISITES : Minimum science graduate.

NUMBER OF PARTICIPANTS : 20

Boarding & lodging arrangements etc. : No

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 2000/-	

Contact Address

Dr. P. K. Seth, Coordinator

Phone : 0522-2365050, 4012076/ 77
Fax : 0522-4012081
E-mail : info@biotechpark.org.in
Web -Address : www.biotechpark.org.in

Birla Institute of Scientific Research, Jaipur

Training Code: [BISR-01]

Title	: Molecular Modeling and Drug Designing
Date (from - to -)	: September 05 th - 07 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: Structural Bioinformatics

OBJECTIVES: To provide participants with an insight into the various aspects of in-silico protein modeling and drug design techniques through guided practical training.

CONTENTS: Overview, Structure Database and chemical libraries, Various file formats, Information retrieval methods, Molecular Visualization, Molecular Modeling techniques, Molecular Docking methods, Chemical sketching, Cheminformatics and structure based Drug designing.

METHODOLOGY : Lectures, Demonstration and Hands on session in the lab. The hands on session will include the following software: Discovery Studio, Exome Horizon, Modeller, Autodock, Arguslab, ACD, ISIS and other related tools.

LEVEL OF PARTICIPANTS : UG, PG, Scholars and Faculty members of Life Sciences, Information Technology, Physical and Medical Sciences.

PREREQUISITES : Basic knowledge of computers

NUMBER OF PARTICIPANTS : 40

Boarding & lodging arrangements etc. : August, 2008

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 1500/-	
SAARC Countries	(For Academic Institute)	
Other Countries	Rs. 3000/-	
	(For Commercial Organization)	

Training Code: [BISR-02]

Title	: Bioinformatics: Computational Genomics
Date (from - to -)	: January 20 th - 22 nd 2009
Duration (in number of days):	: 3 Days
Subject Area	: Genome Analysis

OBJECTIVES: The workshop will focus on the current state-of-the-art, bioinformaticstechniques used for biological sequence and genome analysis. The participants will learn the online as well as local sequence analysis methods.

CONTENTS: Overview, Bioinformatics Databases, Sequence Alignment, Database searching techniques, BLAST and FASTA methods, Multiple Sequence Alignment and Phylogenetics, Genome Sequencing and Annotation, Genome Assembly, Genome Comparision Method.

METHODOLOGY : Lectures, Demonstration and Hands on session in the lab.

LEVEL OF PARTICIPANTS : UG, PG, Scholars and Faculty members of Life Sciences, Information Technology, Physical and Medical Sciences.

PREREQUISITES : Basic knowledge of computers

NUMBER OF PARTICIPANTS : 40

EXPECTED DATE OF ANNOUNCEMENT : December, 2008

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 1500/- (For Academic Institute)	(For Commercial Organization)
SAARC Countries		
Other Countries	Rs. 3000/-	- N.A. -

Contact Address**Dr. M. Krishna Mohan, Coordinator**

Phone : 0141-2385094
Fax : 0141-2385121
E-mail : Training.bisr@gmail.com
Web -Address : www.bisr.res.in

Birla Institute of Technology, Ranchi

Training Code: *[BIT-01]*

Title	: Workshop on Structural Bioinformatics
Date (from - to -)	: September 08 th - 13 th 2008
Duration (in number of days):	: 6 Days
Subject Area	: Computational and Structural Bioinformatics

OBJECTIVES: 1. To provide an exposure to the recent approaches which are being used in Computational and Structural Bioinformatics.

2. To impart knowledge about the importance of bioinformatics software tools; viz how to access, utilize and implement for the benefit of molecular modeling and drug designing.

CONTENTS: Basics of protein organisation, Information resources in bioinformatics, Database searching, strategies of macromolecule modeling, Molecular simulation, Molecular dynamics, Drug designing, Molecular docking, Homology Modeling, Proteomics application in Drug Discovery, Proteomics tools, Protein structure and function analysis, linkage of biotechnology with bioinformatics.

METHODOLOGY : Lectures, Demonstration and Hands on session.

LEVEL OF PARTICIPANTS : Academician and Scientist, Research Scholars.

PREREQUISITES : Preliminary knowledge about biotechnology especially Molecular Biology and Computational techniques.

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : July 15, 2008.

Contd.....

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 1500/-	Rs. 2000/-

Contact Address**Dr. A. S. Vidyarthi, Coordinator**

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Fax : 0651-2276590

E-mail : btis_bit@bitmesra.ac.in

Web -Address : www.bitmesra.ac.in

Bose Institute, KolkataTraining Code: *[BI-01]*

Title	: Workshop on “Molecular Phylogenetic Analysis” & One day symposium on “Evolutionary Genomics on Post Genomic Era”
Date (from - to -)	: January 05 th - 08 th 2009
Duration (in number of days):	: 4 Days
Subject Area	: General Bioinformatics Training/ Genome & Proteome Analysis

OBJECTIVES: To provide hands on training and theoretical classes for biologists.

CONTENTS: Different techniques for molecular phylogenetic analysis.

METHODOLOGY : Lectures, Hands on session and Seminars.

LEVEL OF PARTICIPANTS : Researchers, Scientists, Academicians.

PREREQUISITES : M.Sc. or M.Tech.

NUMBER OF PARTICIPANTS : 20 for Workshop and 100 for Symposium.

EXPECTED DATE OF ANNOUNCEMENT : Sometime in September, 2008.

Boarding & lodging arrangements etc. : Will be arranged on request and advance payment.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 1500/- for Workshop	Rs.2500/- for Workshop
SAARC Countries	Rs. 1500/- for Symposium	Rs.1000/- for Symposium
Other Countries		

Contact Address**Prof. P. Chakrabarti, Coordinator**

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Fax : 033-23553886
E-mail : dicdbt@boseinst.ernet.in
Web –Address : www.boseinst.ernet.in/bic

CCS Haryana Agricultural University, Hisar

Training Code: [CCSHAU-01]

Title	: Biological Databases for Plant Sciences
Date (from - to -)	: October 14 th - 18 th 2008
Duration (in number of days):	: 5 Days
Subject Area	: Bioinformatics with respect to Agriculture/ Plant Sciences

OBJECTIVES: 1. To understand the availability and usage biological databases specific to plant sciences only.

2. To carry out the structural and functional analysis of databases.

CONTENTS: Biological Databases, Rice Genome, NCBI Tools for Data Analysis, Whole Genome projects of plants.

METHODOLOGY : Lectures and Hands on session.

LEVEL OF PARTICIPANTS : Assistant Scientist and above ,
Doctoral Students engaged in Plant
Science Research.

PREREQUISITES : Usage of Computers.

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : First week of August, 2008.

Boarding & lodging arrangements etc. : Can be arranged on prior intimation.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 2000/-	Rs. 2000/- + Actuals
SAARC Countries	Rs. 3000/-	Rs. 3000/- + Actuals
Other Countries	US\$ 100	US\$ 100 + Actuals

Contact Address

Dr. Sudhir Kumar, Coordinator

Phone : 01662-289114, 234003

Fax : 01662-284310

E-mail : sudhir@hau.ernet.in, haubif@gmail.com

Web -Address : www.hau.ernet.in/bioinfo

Central Agricultural Research Institute, Port Blair

Training Code: [CARI-01]

Title	: Functional and Structural Genomics: An In-silico approach
Date (from - to -)	: December 03 rd - 06 th 2008
Duration (in number of days):	: 4 Days
Subject Area	: Computational and Structural Bioinformatics Genome and Proteome Analysis

OBJECTIVES: To impart awareness of Bioinformatics Tools and their applications in biological sciences, microarray data analysis, genomics and proteomics.

CONTENTS: Microarray Data Analysis, Sequence Analysis Tools, Genomics and Proteomics.

METHODOLOGY : Lectures, Demos and Hands on session

LEVEL OF PARTICIPANTS : Scientists, Lecturers, Research Scholars and Students

PREREQUISITES : Must have basic knowledge of computers.

NUMBER OF PARTICIPANTS : 30

Boarding & lodging arrangements etc. : CARI Guest House

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 1000/-	Rs. 2000/-
SAARC Countries	US\$ 75	US\$ 150
Other Countries	US\$ 150	US\$ 300

Training Code: [CARI-02]

Title	: Emerging Bioinformatics Tools in Biotechnology
Date (from - to -)	: February 10 th - 11 th 2009
Duration (in number of days):	: 2 Days
Subject Area	: Computational and Structural Bioinformatics General Bioinformatics Trainings

OBJECTIVES: To impart awareness about the importance of Bioinformatics Tools and their application in Biotechnology.

CONTENTS: Biological Databases, Genetic and Physical Mapping, Sequence Analysis, Gene Prediction and Modeling Proteins.

METHODOLOGY : Lectures, Demos and Hands on session

LEVEL OF PARTICIPANTS : Scientists, Research Scholars and Students

PREREQUISITES : Must have basic knowledge of computers.

NUMBER OF PARTICIPANTS : 30

EXPECTED DATE OF ANNOUNCEMENT :

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 1000/-	Rs. 2000/-

Contact Address

Dr. M. Balakrishnan, Coordinator

Phone : 03192-250436 (O), 253312 (R), 09434283615 (M)
Fax : 03192-251068/ 233281
E-mail : mbkrishnan@hotmail.com
Web -Address : http://cari.res.in

Central Institute of Medicinal and Aromatic Plants, Lucknow

Training Code: [CIMAP-01]

Title	: CIMAP Summer Training on Techniques & Tools of Biotechnology and Bioinformatics (CST-2008)
Date (from - to -)	: June 23 rd - July 22 nd 2008
Duration (in number of days):	: 30 Days
Subject Area	: Bioinformatics with respect to Agriculture/ Plant Sciences

OBJECTIVES: Integrated wet & dry lab training to B.Tech., M.Sc. and M.Tech. students.

CONTENTS: The training beginning with basics of Molecular Biology tools, Bioinformatics and Plant Tissue Culture techniques would provide exposition to following main areas: (i) DNA/RNA techniques (ii) Molecular Biology Tools and Methods (iii) Plant Tissue culture Techniques (iv) Bioinformatics Tools and Application

METHODOLOGY : Lectures, Demos and Hands on session

LEVEL OF PARTICIPANTS : B.Tech. and M.Sc. Students

PREREQUISITES : NIL

NUMBER OF PARTICIPANTS : 24

EXPECTED DATE OF ANNOUNCEMENT : March 2008

Boarding & lodging arrangements etc. : Boarding and lodging as to be arranged by candidates themselves.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 10,000/-	

Training Code: [CIMAP-02]

Title	: Biotechnology and Bioinformatics Workshop
Date (from - to -)	: October 17 th - 22 th 2008
Duration (in number of days):	: 6 Days
Subject Area	: Bioinformatics with respect to Agriculture/ Plant Sciences

OBJECTIVES: Recent trends in application of tools and techniques of biotechnology and bioinformatics.

CONTENTS: The training will provide an exposure in the recent trends in molecular biology, bioinformatics and plant tissue culture with emphasis on following areas: (i) DNA/RNA Techniques (ii) Molecular Biology Tools and Methods (iii) Plant Tissue Culture Techniques (iv) Bioinformatics Tools and Applications.

METHODOLOGY : Lectures, Demos and Hands on session

LEVEL OF PARTICIPANTS : Scientists, Researchers, Academicians and Students

PREREQUISITES : NIL

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : July 2008

Boarding & lodging arrangements etc. : Will be made available on request.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 3000/-	

Training Code: [CIMAP-03]

Title	: CIMAP winter workshop on tools and techniques of Biotechnology and Bioinformatics (CWW-2009)
Date (from - to -)	: January 19 th - 31 st 2009
Duration (in number of days):	: 20 Days
Subject Area	: Bioinformatics with respect to Agriculture/ Plant Sciences

OBJECTIVES: Advanced integrated wet & dry lab workshop on tools and techniques of biotechnology and bioinformatics.

CONTENTS: The training would provide exposition to the following main areas: (i) DNA/RNA techniques (ii) Molecular Biology Tools and Methods (iii) Plant Tissue culture Techniques (iv) Bioinformatics Tools and Application

METHODOLOGY : Lectures, Demos and Hands on session

LEVEL OF PARTICIPANTS :

PREREQUISITES : Preference to candidates who have attended the CIMAP Summer/ Winter Training Course.

NUMBER OF PARTICIPANTS :

EXPECTED DATE OF ANNOUNCEMENT : November 2008

Boarding & lodging arrangements etc. : Residential

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries		Rs. 15,000/-

Contact Address**Dr. Ashok Sharma, Coordinator**

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Web -Address : www.cimap.res.in

Central Plantation Crops Research Institute, Kasaragod

Training Code: [CPCRI-01]

Title	: Bioinformatics and Biotechnology, : Applications in plantation crops
Date (from - to -)	: August 04 th - 08 th 2008
Duration (in number of days):	: 5 Days
Subject Area	: Bioinformatics with respect to Agriculture/ Plant Sciences

OBJECTIVES: To familiarize the researchers/ students in the advanced techniques in Biotechnology/ Bioinformatics.

CONTENTS: Basic Bioinformatics tools and application, DNA/RNA techniques. Molecular Biology tools and methods, Plant Tissue Culture Techniques.

METHODOLOGY : Lectures, demos and hands on session.

LEVEL OF PARTICIPANTS : Researchers/ PG Students

PREREQUISITES : Basics in Biotechnology/ Bioinformatics.

NUMBER OF PARTICIPANTS : 10

EXPECTED DATE OF ANNOUNCEMENT : First week of July 2008

Boarding & lodging arrangements etc. : Will be arranged on payment.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 500/-	Accommodation charges will be collected as per ICAR norms

Training Code: [CPCRI-02]

Title	: Principles and Applications of Bioinformatics
Date (from - to -)	: November 03 th - 07 th 2008
Duration (in number of days):	: 5 Days
Subject Area	: General Bioinformatics Trainings

OBJECTIVES: To familiarize the researchers/ students in the advanced techniques in bioinformatics.

CONTENTS: Biological Databases, Sequence Analysis, Database search tools, Molecular modeling, Molecular docking, Creation of Database.

METHODOLOGY : Lectures, Demos and Hands on session

LEVEL OF PARTICIPANTS : Researchers/ PG Students

PREREQUISITES : Basics in Biotechnology/ Bioinformatics.

NUMBER OF PARTICIPANTS : 10

EXPECTED DATE OF ANNOUNCEMENT : First week of July 2008

Boarding & lodging arrangements etc. : Will be arranged on payment.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 500/-	Accommodation charges will be collected as per ICAR norms

Contact Address

Dr. George V. Thomas, Coordinator

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E-mail : bioinfocperi@yahoo.com, subdic@bioinfpcpri.org
Web -Address : www.bioinfpcpri.org

Ch. Charan Singh University, Meerut**Training Code:** [CCSU-01]

Title	: Bioinformatics in Agriculture
Date (from - to -)	: October 04 th - 05 th , 2008
Duration (in number of days):	: 2 Days
Subject Area	: Genome and Proteome Analysis

OBJECTIVES: To train Masters, Ph.D. and Post Doctoral Students.**CONTENTS:** Bioinformatics tools and their applications in agriculture sciences.**METHODOLOGY** : Workshop: Lectures, Demos and Hands on session.**LEVEL OF PARTICIPANTS** : Masters, Ph.D. and Post Doctoral Students.**PREREQUISITES** : Basic computer operation.**NUMBER OF PARTICIPANTS** : 30**Boarding & lodging arrangements etc.** : Will be made

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 500/-	Rs. 800/-

Contact Address**Dr. H. S. Balyan, Coordinator**

Phone : 0121-2768195, 09412515497 Fax : 0121-2768195 E-mail : hsbalyan@rediffmail.com, hsbalyan@gmail.com Web -Address :

Dr. Y. S. Parmar University of Horticulture & Forestry, Solan

Training Code: [YSPUHF-01]

Title	: Bioinformatics and its applications in Plant Sciences
Date (from - to -)	: June 05 th - 07 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: Bioinformatics with respect to Agriculture/ Plant Sciences

OBJECTIVES: To promote awareness of IT applications in Biological Sciences, Bioinformatics Tools for genomics and proteomic analysis, hands on trainings in basic bioinformatics tools.

CONTENTS: Introduction to Bioinformatics, Biological Databases, Phylogenetic & Sequence analysis tools, structural bioinformatics.

METHODOLOGY : Lectures, Demonstration and practical session.

LEVEL OF PARTICIPANTS : Scientists, Research Scholars, Students and staff of Bioinformatics centres.

PREREQUISITES : Basic computer operation and knowledge of Internet.

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : On request

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 500/-	

Training Code: [YSPUHF-02]

Title	: Introduction to Genomics and Proteomics
Date (from - to -)	: June 05 th - 07 th , 2008
Duration (in number of days):	: 3 Days
Subject Area	: Genome and Proteome Analysis

OBJECTIVES: To promote computer awareness to the participants/ users to the latest development in computer applications.

CONTENTS: Genomics, Proteomics and the emerging concepts on Biotechnology and Bioinformatics.

METHODOLOGY : Lectures, Demonstration and hands on session.

LEVEL OF PARTICIPANTS : Scientists, Research Scholars, Students and staff of Bioinformatics centres.

PREREQUISITES : Basic in Genomics and Proteomics.

NUMBER OF PARTICIPANTS : 20

Boarding & lodging arrangements etc. : On request

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 500/-	

Training Code: [YSPUHF-03]

Title	: IPR Awareness Workshop
Date (from - to -)	: January 07 th - 08 th 2009
Duration (in number of days):	: 2 Days
Subject Area	: IPR

OBJECTIVES: To create awareness regarding IPR issues and to provide basic knowledge about drafting & filing of patents.

CONTENTS: (i) Introduction to IPR,(ii) Research Planning in relation to patentibility (iii)Patent search through Internet (iv) Drafting & filing of Patents.

METHODOLOGY : Deliberation and Demonstration session on patent search.

LEVEL OF PARTICIPANTS : Scientists, Research Scholars, Students and staff of Bioinformatics centres.

PREREQUISITES : Basic knowldge in IPR.

NUMBER OF PARTICIPANTS : 20

Boarding & lodging arrangements etc. : On request

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 250/-	

Contact Address

Dr. S. V. Bhardwaj, Coordinator

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Fax : 01792-252242
E-mail : satbhardwaj@yahoo.com
Web –Address :

Devi Ahilya University, Indore

Training Code: [DAU-01]

Title	: Machine Learning Techniques for Bioinformatics Data Analysis
Date (from - to -)	: October 20 th - 24 th 2008
Duration (in number of days):	: 5 Days
Subject Area	: Bioinformatics Data Analysis

OBJECTIVES: To describe about the major machine learning techniques for analysis of Bioinformatics Data deriving useful information from the Data.

CONTENTS: Major machine learning techniques like HMM, SVM and others will be discussed. Practical exercises describing the application of these techniques in genome and proteome data analysis will also be discussed.

METHODOLOGY : Lectures cum Hands on training

LEVEL OF PARTICIPANTS : Post graduate students, Research Scholars and Young Researchers.

PREREQUISITES : Preliminary knowledge of Computer & Internet.

NUMBER OF PARTICIPANTS : 25-30

Boarding & lodging arrangements etc. : University Guest House, DAVV, Indore.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 600/-	Accommodation fee will be charged from the participants as per actual. (Rs. 125/- per night)

Contact Address

Dr. Anil Kumar, Coordinator

Phone : 0731-2470372, 2470373 Fax : 0731-2470372 E-mail : ak_sbt@yahoo.com, bioinfo@sancharnet.in Web –Address : http://www.davvbiotech.res.in

G. B. Pant University of Agriculture & Technology, Pant Nagar

Training Code: [GBPUAT-01]

Title	: Protein Structure and Drug Design Applications in Agriculture
Date (from - to -)	: September 09 th - 11 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: Bioinformatics with respect to Agriculture/ Plant Sciences

OBJECTIVES: To train participants with use of various protein structure inference and drug design software analysis packages with potential applications in development of new pesticides & drug for Agriculture and Animal Husbandry.

CONTENTS: Basics of Protein Structure, different approaches & software to structure findings: Host pathogen interaction in pathogenesis and role of drugs. Approaches and software tools employed in design of new drugs in Agriculture and Animal Husbandry.

METHODOLOGY : Lectures and Hands on experience lab sessions.

LEVEL OF PARTICIPANTS : Ph.D. Student, Young Researchers and faculty working in the area of Pathology, Biophysics, Bioinformatics, Drug Design.

PREREQUISITES : Basic knowledge in Biochemistry, Immunology, Biophysics and skills in use of a desk top computer.

NUMBER OF PARTICIPANTS : 25

EXPECTED DATE OF ANNOUNCEMENT : First week of July, 2008.

Boarding & lodging arrangements etc. : Selected candidates will be provided with food and accommodation.

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REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 500/-	Rs. 500/-
SAARC Countries	US \$ 20	US \$ 20
Other Countries	US \$ 20	US \$ 20

Contact Address**Dr. Soma S. Marla, Coordinator**

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Web -Address : www.gbpuat.ac.in/acads/cbsh/Bioinformatics/home.htm

Guru Jambheshwar University of Science & Technology, Hisar

Training Code: [GJU-01]

Title	: Applications of Bioinformatics in Environment and Biodiversity
Date (from - to -)	: November 03 rd - 07 th 2008
Duration (in number of days):	: 5 Days
Subject Area	: Environment and Biodiversity

OBJECTIVES: To familiarize the participants with the available databases on environment and biodiversity. To train the participants on the data mining exercise in environment and biodiversity.

METHODOLOGY : Lectures, Demos and Hands on session

LEVEL OF PARTICIPANTS : Research students and starting level faculty.

PREREQUISITES : M.Sc. in any branch of biology.

NUMBER OF PARTICIPANTS : 15

EXPECTED DATE OF ANNOUNCEMENT : May, 2008.

Boarding & lodging arrangements etc. : Would be provided on request.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 750/-	Rs. 1000/-
SAARC Countries	Rs. 1000/-	Rs. 1500/-
Other Countries	US \$ 400	US \$ 500

Contact Address

Dr. J. S. Rana, Coordinator

Phone : 01662-263165 (O), 263265, 09896300256 (M) Fax : 01662-276240 E-mail : jogenderrana@hotmail.com Web -Address : www.gju.ernet.in

Guru Nanak Dev University, Amritsar

Training Code: [GNDU-01]

Title	: Computational approaches to Molecular Biology
Date (from - to -)	: November 20 th -21 st 2008 (tentative)
Duration (in number of days):	: 2 Days
Subject Area	: Computational and Structural Bioinformatics

OBJECTIVES: To train Life Science Students/ Research Fellows & Faculty in Bioinformatics and its applications.

CONTENTS: Tools of Bioinformatics.

METHODOLOGY : Lectures, Demos and Hands on session

LEVEL OF PARTICIPANTS : Faculty Members/ Research Fellows/ students .

PREREQUISITES : Basic knowledge in computers and applications in Molecular Biology.

NUMBER OF PARTICIPANTS : 14-16

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 250/-	
SAARC Countries		
Other Countries		

Contact Address

Prof. Gurcharan Kaur, Coordinator

Phone : 0183-2258431
Fax : 0183-2258272
E-mail : bicamritsar@yahoo.com
Web -Address : www.gndu.ac.in

HNB Garhwal University, Garhwal

Training Code: [HNBGU-01]

Title	: Student oriented skills for quality teaching and research
Date (from - to -)	: 31 st May - 01 st June 2008
Duration (in number of days):	: 5 Days
Subject Area	: Training for trainer

OBJECTIVES: To familiarize biology teachers with skills that would stimulate critical thought and independent effort, reasoning and analysis, motivation and power of expression in students - basic ingredients for excellence in research & teaching.

CONTENTS: Student oriented skills, enquiry based learning, interactive modules, brain storms etc.

METHODOLOGY : Lectures, Interactive mock sessions, field trips, database generation and analysis.

LEVEL OF PARTICIPANTS : Senior School and UG Teachers.

PREREQUISITES : Only faculty with a strong sense of commitment towards students need apply.

NUMBER OF PARTICIPANTS : 25

EXPECTED DATE OF ANNOUNCEMENT : Two months before the event.

Boarding & lodging arrangements etc. : Shall be made available at subsidized rates.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 600/-	
SAARC Countries		
Other Countries		

Training Code: [HNBGU-02]

Title	: Research orientation in Biological Science : Database generation, mining and analytical tools
Date (from - to -)	: October 01 st - 05 th , 2008
Duration (in number of days):	: 5 Days
Subject Area	: Training for trainers

OBJECTIVES: (i) To open intellectual avenues that will stimulate original thought and independent effort and reveal the relationships among sciences, social sciences and humanities. (ii) To update participants with research methods and quantitative tools through hands on database generation from field trips in rural himalaya (projects in nature/ villages)

CONTENTS: Reviews in front line areas of Biosciences research, Database generation, Data mining, Data processing etc.

METHODOLOGY : Lectures, Projects, Field trips to generate database, hands on computer session for data analysis, application of quantitative tools, audiovisual presentation.

LEVEL OF PARTICIPANTS : PG students, UG Teachers

PREREQUISITES : Computer friendliness.

NUMBER OF PARTICIPANTS : 25

EXPECTED DATE OF ANNOUNCEMENT : Two months before the event.

Boarding & lodging arrangements etc. : Shall be made available at subsidized rates.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 600/-	
SAARC Countries		
Other Countries		

Training Code: [HNBGU-03]

Title	: Biology outreach through nature watch & Computers
Date (from - to -)	: November 12 th - 16 th 2008
Duration (in number of days):	: 5 Days
Subject Area	: Training for trainer

OBJECTIVES: To outreach students in rural interior of garhwal himalayas for (i) Support to Biology and allied subjects teaching (ii) Computer networking (iii) Innovative enquiry based learning thru nature watch & bio-resource data generation.

CONTENTS: Three days camp shall be organized in villages around the three bioinformatics nodes identified in Tehri, Mussorie and chamoli Garhwal for outreach programs.

METHODOLOGY : Audio visual presentations, Inter active brainstorms, Computer sessions, Nature watch, Field trips.

LEVEL OF PARTICIPANTS : 10, 10+ students, UG

PREREQUISITES : All willing students in villages.

NUMBER OF PARTICIPANTS : All willing students

EXPECTED DATE OF ANNOUNCEMENT : Two months before the event.

Boarding & lodging arrangements etc. : Boarding arrangements for all village participants will be made on site.

Any other relevant information, if any : Our 10+2skilled UG student resource persons of 5 yrs. Integrated Biotech Program & Research Fellows will act as trainers. They will carry own camping kits for lodging in villages.

Contact Address

Dr. Asha Chandola Saklani, Coordinator

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Web –Address : http://uttara.in

Holy Cross College, Trichy, T.N

Training Code: [HCC-01]

Title	: Bioinformatics: Tools and Applications
Date (from - to -)	: June 26 th - 29 th 2008
Duration (in number of days):	: 2 Days
Subject Area	: Computational Biology

OBJECTIVES: This workshop gives a flavour of sequence analysis tools, techniques and applications. The Bioinformatics content covered in higher secondary Biology syllabus will be given prime consideration.

CONTENTS: A comprehensive lecture and laboratory manual will be provided. Participants will complete team and individual assignments.

METHODOLOGY : Lectures, Demos, Hands on Session & Projects.

LEVEL OF PARTICIPANTS : School Teachers

PREREQUISITES :

NUMBER OF PARTICIPANTS : 20

Boarding & lodging arrangements etc. : Will be arranged on request

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Free	
SAARC Countries		
Other Countries		

Training Code: [HCC-02]

Title	: Genome and Proteome Analysis
Date (from - to -)	: September 18 th - 20 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: Computational Biology

OBJECTIVES: This workshop is the starting point for hands on instruction in the use of software tools for genomic and computational biology research.

CONTENTS: Participants will gain practical experience with a wealth of bioinformatics tools and applications.

METHODOLOGY : Lectures, Demos, Hands on Session & Projects.

LEVEL OF PARTICIPANTS : College Staff, Research Scholars, P.G. Students

PREREQUISITES : Working knowledge of Computers

NUMBER OF PARTICIPANTS : 20

Boarding & lodging arrangements etc. : Will be arranged on request

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 750/-	Rs. 750/-+Actual charges of accommodation
SAARC Countries		
Other Countries		

Training Code: [HCC-03]

Title	: Database and Data Mining
Date (from - to -)	: January 08 th - 10 th 2009
Duration (in number of days):	: 3 Days
Subject Area	: Computational Biology

OBJECTIVES: Participants will gain practical experience in accessing, retrieving and implementing information from Database.

CONTENTS: A comprehensive lecture and laboratory manual will be provided. Participants will complete team and individual assignment.

METHODOLOGY : Lectures, Demos, Hands on Session & Projects.

LEVEL OF PARTICIPANTS : U.G. and P.G. Students

PREREQUISITES : Working knowledge of Computers

NUMBER OF PARTICIPANTS : 20

Boarding & lodging arrangements etc. : Will be arranged on request

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Nil	

Contact Address
Dr. Daisy. P, Coordinator

Phone : 0431-2700637
Fax : 0431-2713312
E-mail : hcc_wc@yahoo.co.in, daisyleslie@yahoo.com
Web -Address : www.hccbif.org, www.holycrossindia.ac.in

Indian Agricultural Research Institute, New Delhi

Training Code: [IARI-01]

Title	: Workshop cum training on Crop Database Management
Date (from - to -)	: November - December 2008
Duration (in number of days):	: 7 Days
Subject Area	: Major Database Development and Retrieval

OBJECTIVES: To discuss and interact with participants on the current and future developments of databases related to different crops.

CONTENTS: Database basics, Data Mining, Crop Database past and current scenario, crop database need for integration, future prospects.

METHODOLOGY : Lectures and Hand on session.

LEVEL OF PARTICIPANTS : Young and middle level researchers

PREREQUISITES : M.Sc. in Agriculture/ Bioinformatics

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : May, 2008.

Boarding & lodging arrangements etc. : Subject availability and based on first come first serve basis.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 2000/-	Rs. 2500/-
SAARC Countries	US\$ 75	US\$ 150
Other Countries	US\$ 100	US\$ 200

Contact Address

Dr. H.Chandrasekharan, Coordinator

Phone	: 011-25842490
Fax	: 011-25842490
E-mail	: head_usi@iari.res.in, chandrasekaranh@hotmail.com
Web -Address	: www.iari.res.in

Indian Institute of Science, Bangalore

Training Code: [IISc-01]

Title	: Structural Bioinformatics Workshop
Date (from - to -)	: November 17 th - 19 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: Computational and Structural Bioinformatics

OBJECTIVES: To provide a comprehensive training on structural bioinformatics. Will cover genome level analysis and drug design.

CONTENTS: Protein structure database, comparative analysis of protein structure, structural motifs in proteins, protein-ligand interaction, softwares for structural analysis and interpretation.

METHODOLOGY : Lectures, Demos, Hands on session.

LEVEL OF PARTICIPANTS : Faculty, Post doctoral fellows, Senior graduate students and scientists from industries.

PREREQUISITES : Basic knowledge of macromolecular structure is desirable.

NUMBER OF PARTICIPANTS : Limited to about 30 participants.

EXPECTED DATE OF ANNOUNCEMENT : August, 2008

Boarding & lodging arrangements etc. : Limited accommodation is available in campus.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 1500/-	Rs. 2000/-
SAARC Countries		
Other Countries		

Contact Address

Prof. S.Ramakumar, Coordinator

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Indian Institute of Spices Research, Calicut

Training Code: *[IISR-01]*

Title	: In-Silico analysis and annotation of ESTs
Date (from - to -)	: June 16 th - 18 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: Genome and Proteome Analysis

OBJECTIVES: To provide hands on training in In-silico analysis and annotation of ESTs of plants.

CONTENTS: Data mining, Sequence alignment, assembling and analysis with SSR tools, Plant functional annotation using annotation servers and gene correlation studies.

METHODOLOGY : Lectures, Demonstations and Hands on Session.

LEVEL OF PARTICIPANTS : Scientists, Teachers, Research Scholars and students.

PREREQUISITES : Basic knowledge in Bioinformatics, biotechnology and computers.

NUMBER OF PARTICIPANTS : 15

EXPECTED DATE OF ANNOUNCEMENT : 15th April, 2008

Boarding & lodging arrangements etc. : Available on request

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	ICAR Employees: Nil Others Rs. 1500/-	Rs. 500/- Rs. 2500/-

Training Code: [IISR-02]

Title	: Agri-Bioinformatics: Tools and Applications
Date (from - to -)	: October 20 th - 24 th 2009
Duration (in number of days):	: 5 Days
Subject Area	: Bioinformatics with respect of Agriculture/ Plant Sciences

OBJECTIVES: To provide hand on training on various tools and applications of bioinformatics in agricultural research.

CONTENTS: Biological Databases, Sequence Analysis, Primer Designing, Phylogeny, EST Analysis, Gene Identification.

METHODOLOGY : Lectures, Demonstration, Hands on Session.

LEVEL OF PARTICIPANTS : Scientists, Teachers, Research Scholars and Students.

PREREQUISITES : Basic knowledge in Bioinformatics, Biotechnology and Computers.

NUMBER OF PARTICIPANTS : 15

EXPECTED DATE OF ANNOUNCEMENT : 1st September, 2008

Boarding & lodging arrangements etc. : Available on request

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	ICAR Employees: Nil	Rs. 500/-
SAARC Countries	Others Rs. 1500/-	Rs. 2500/-
Other Countries		

Contact Address**Dr. Santosh J. Eapen, Coordinator**

Phone : 0495-2731410, 2730906 Ext. 404 DISC No. 0495-2731566
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E-mail : disc@spices.res.in, sjeapen@spices.res.in
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Indian Institute of Technology, Kharagpur

Training Code: [IITK-01]

Title	: Bioinformatics in Genomics and Proteomics
Date (from - to -)	: September 26 th - 27 th 2008
Duration (in number of days):	: 2 Days
Subject Area	: Genome and Proteome Analysis

OBJECTIVES: To create awareness among the researchers regarding the use of Bioinformatics tools and their applications in genome and protein research.

CONTENTS: Biological Sequence Analysis, DNA Micro-array, Molecular Markers, Biological Database, System Biology, Protein Structure Analysis, Immuno-informatics.

METHODOLOGY : Lectures, Demos, Hands on session.

LEVEL OF PARTICIPANTS : M.Sc., Ph.D. students & teachers of Colleges and Universities/ Institutes.

PREREQUISITES : Basic knowledge in Molecular Biology & computers.

NUMBER OF PARTICIPANTS : 70

EXPECTED DATE OF ANNOUNCEMENT : June, 2008

Boarding & lodging arrangements etc. : Institute Guest House with subsidized rate.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 1200/- (including working lunch)	

Contact Address

Prof. S.C. Kundu, Coordinator

Phone : 03222-283764, 281365 Fax : 03222-278433, 255303, 278707 E-mail : kundu@hijli.iitkgp.ernet.in Web -Address : www.iitkgp.ernet.in
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Institute of Life Sciences, Bhubaneswar

Training Code: [ILS-01]

Title	: Functional Genomics
Date (from - to -)	: November 19 th - 21 st 2008
Duration (in number of days):	: 3 Days
Subject Area	: Genome and Proteome Analysis

OBJECTIVES: To train the researchers working in Biotechnology and Bioinformatics.

CONTENTS: Computer based prediction of important genes and proteins.

METHODOLOGY : Lectures, Demos, Hands on session.

LEVEL OF PARTICIPANTS : Mid carrier scientists and research scholars.

PREREQUISITES : Basic knowledge in Computers & Genomics.

NUMBER OF PARTICIPANTS : 14

Boarding & lodging arrangements etc. : Will be provided by the host institute

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 1000/-	Rs. 2000/-
SAARC Countries		
Other Countries		

Contact Address

Dr. S. K. Das, Coordinator

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Institute of Microbial Technology, Chandigarh

Training Code: [IMTECH-01]

Title	: Role of chemoinformatics, Pharmacoinformatics and Bioinformatics in Drug Discovery
Date (from - to -)	: October 14 th - 17 th 2008
Duration (in number of days):	: 4 Days
Subject Area	: Bioinformatics with respect to Medical Sciences

OBJECTIVES: To familiarize the participants about computational tools developed for searching drug targets and drug molecules.

CONTENTS: Introduction to rational drug design, searching drug targets using bioinformatics, searching drug molecules using docking, application of chemoinformatics in searching drug molecules.

METHODOLOGY : Lectures and Demos.

LEVEL OF PARTICIPANTS : Ph.D.

PREREQUISITES : Basic knowledge in computer and molecular biology.

NUMBER OF PARTICIPANTS : 30

Boarding & lodging arrangements etc.: We will try to accommodate participants in our guest house.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs 2000/-	Participants have to pay accommodation charges.
SAARC Countries	Rs 2500/-	
Other Countries	Rs 3000/-	

Contact Address

Dr. G. P. S. Raghava, Coordinator

Phone : 0172-2690557
Fax : 0172-2690632, 2690585
E-mail : raghava@imtech.res.in
Web -Address : http://www.imtech.res.in/raghava/

Indian Veterinary Research Institute, Izatnagar

Training Code: *[IVRI-01]*

Title	: National Workshop on Biocomputing
Date (from - to -)	: June 24 th - 27 th 2008
Duration (in number of days):	: 4 Days
Subject Area	: Computational Biology

OBJECTIVES: Databases and pattern matching, Analysis of Microarrays.

CONTENTS: Data Mining, Modeling and simulation, Advances in Biocomputing , Area of research and development in Biocomputing.

METHODOLOGY : Lectures, Demos and Hands on session.

LEVEL OF PARTICIPANTS : Persons working in the field of bioinformatics/ Statistics/ Math/ Veterinary/Agriculture/ Medical Sciences.

PREREQUISITES :

NUMBER OF PARTICIPANTS : 50

Boarding & lodging arrangements etc. : Will be provided as per ICAR rules and regulations.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 500/-	Rs. 600/-
SAARC Countries	Rs. 1000/-	Rs. 1600/-
Other Countries	Rs. 2000/-	Rs. 3000/-

Training Code: [IVRI-02]

Title	: Training in Biocomputing
Date (from - to -)	: November 17 th - 20 th 2008
Duration (in number of days):	: 4 Days
Subject Area	: Computational Biology

OBJECTIVES: Creating awareness of scientists about the tools used in biocomputing, To review advances in biocomputing.

CONTENTS: Statistical and mathematical tools in biocomputing, Computer in biocomputing, Advances in biocomputing, Area of research and development in biocomputing.

METHODOLOGY : Lectures, Demos and Hands on session.

LEVEL OF PARTICIPANTS : Persons working in the field of bioinformatics/ Statistics/ Math/ Veterinary/Agriculture/ Medical Sciences.

NUMBER OF PARTICIPANTS : 20

Boarding & lodging arrangements etc. : Will be provided as per ICAR rules and regulations.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 500/-	Rs. 600/-
SAARC Countries	Rs. 1000/-	Rs. 1600/-
Other Countries	Rs. 2000/-	Rs. 3000/-

Contact Address**Dr. Rajendra Singh, Coordinator**

Phone : 581-2300305, 2300207
 Fax : 581-2300305, 2303284
 E-mail : codisc@ivri.up.nic.in
 Web –Address : www.ivri.nic.in

Jamia Millia Islamia, New Delhi**Training Code:** [JMI-01]

Title	: Bioinformatics Applications in R&D
Date (from - to -)	: December 04 th - 05 th 2008
Duration (in number of days):	: 2 Days
Subject Area	: General Bioinformatics Trainings

OBJECTIVES: To introduce variety of applications of bioinformatics in biotechnology R&D.

CONTENTS: Bioinformatics Diversity and Applications, Current and Future Trends, Data generating techniques, Bioinformatics research methods and perspective.

METHODOLOGY : Lectures, Demonstration, Panel Discussion and Hands on experiences..

LEVEL OF PARTICIPANTS : Students, Research scholars and teachers.

PREREQUISITES : Basic knowledge in computers and biotechnology.

NUMBER OF PARTICIPANTS : 20

Boarding & lodging arrangements etc. : As per availability in the guest house for teachers only on advance booking.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs 1000/- (Teachers)	
SAARC Countries	Rs. 500/- (Students)	
Other Countries		

Contact Address**Mr. Jahiruddin Coordinator**

Phone :011-26980014, 9810581072

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Web –Address : www.jmi.nic.in

Karnataka Veterinary, Animal & Fisheries Sciences University, Mangalore

Training Code: [KVAFSU-01]

Title	: Bioinformatics and its application in marine biotechnology
Date (from - to -)	: February 25 th - 27 th 2009
Duration (in number of days):	: 3 Days
Subject Area	: Bioinformatics with respect to Animal/ Aqua Sciences

OBJECTIVES: To impart training on bioinformatics and its applications to Marine biotechnologists.

CONTENTS: Overview of Bioinformatics, Public Biological Databases and Data Mining tools, Comparative genome analysis, Phylogenetic analysis, Application of bioinformatics in studying pathogens related to public health and aquatic animals, Application of bioinformatics in fish genetics study.

METHODOLOGY : Lectures, Demos and Hands on session.

LEVEL OF PARTICIPANTS : Post graduate students and scientists working in the field of marine sciences.

PREREQUISITES : Working knowledge of computers.

NUMBER OF PARTICIPANTS : 15

EXPECTED DATE OF ANNOUNCEMENT : 2nd January, 2009

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs 500/-	

Contact Address

Dr. Indrani Karunasagar, Coordinator

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Kerala Agricultural University, Thrissur

Training Code: [KAU-01]

Title	: Bioinformatics Resources for Genome & Proteome Analysis
Date (from - to -)	: September 16 th - 19 th 2008
Duration (in number of days):	: 4 Days
Subject Area	: Genome and Proteome Analysis

OBJECTIVES: The aim of the course is to educate participants regarding the basics of bioinformatics tools and their applications in genome and proteome analysis.

CONTENTS: Genome & Proteome Databases, Computational tools for DNA & Protein Sequence Analysis.

METHODOLOGY : Lectures, Demos and Hands on session.

LEVEL OF PARTICIPANTS : Scientists, Lecturers, Research Scholars working in the field of Biosciences.

PREREQUISITES : Basic knowledge of computers.

NUMBER OF PARTICIPANTS : 10

EXPECTED DATE OF ANNOUNCEMENT : 14th August 2008

Boarding & lodging arrangements etc. : Will be arranged on request on payment basis.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 1000/-	
SAARC Countries		
Other Countries		

Training Code: [KAU-02]

Title	: Computational Methods in Structural Bioinformatics
Date (from - to -)	: October 20 th - 23 rd 2008
Duration (in number of days):	: 4 Days
Subject Area	: Computational & Structural Bioinformatics

OBJECTIVES: This course introduces the practical application of structure analysis, database searching and molecular modeling techniques to study protein structure and function.

CONTENTS: Introduction to macromolecular structures, database searching, secondary structure calculations, homology modeling techniques, structure alignment methods, molecular visualization softwares and molecular docking studies.

METHODOLOGY : Lectures, Demos and Hands on session.

LEVEL OF PARTICIPANTS : Scientists/ Lecturers/ Research Scholars working in the field of Biosciences.

PREREQUISITES : Basic knowledge of computers.

NUMBER OF PARTICIPANTS : 10

EXPECTED DATE OF ANNOUNCEMENT : 10th September 2008

Boarding & lodging arrangements etc. : Will be arranged on request on payment basis.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 1000/-	

Training Code: [KAU-03]

Title	: Introduction to Computational Biology and Bioinformatics
Date (from - to -)	: November 11 th - 14 th 2008
Duration (in number of days):	: 4 Days
Subject Area	: General Bioinformatics Training

OBJECTIVES: This course introduces the key concept of bioinformatics, creates awareness regarding biological databases, data storage, bioinformatics tools for macromolecular data analysis.

CONTENTS: Introduction to bioinformatics, macromolecular database, database search & sequence alignment, computational phylogeny, genome analysis, prediction of protein structure & function.

METHODOLOGY : Lectures, Demos and Hands on session.

LEVEL OF PARTICIPANTS : Scientists/ Research Scholars working in the field of Biosciences.

PREREQUISITES : Basic knowledge of computers.

NUMBER OF PARTICIPANTS : 10

EXPECTED DATE OF ANNOUNCEMENT : 09th October 2008

Boarding & lodging arrangements etc. : Will be arranged on request on payment basis.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 1000/-	
SAARC Countries		
Other Countries		

Training Code: [KAU-04]

Title	: Workshop on Applications of Bioinformatics in Agricultural Research
Date (from - to -)	: December 17 th - 18 th 2008
Duration (in number of days):	: 2 Days
Subject Area	: Bioinformatics with respect to Agriculture/ Plant Sciences

OBJECTIVES: (i) To provide a platform to discuss various aspects of bioinformatics in revolutionizing agricultural research, its challenges and opportunities.

(ii) To explore the role of bioinformatics in biodiversity, biotechnology and data processing relevant to agriculture.

CONTENTS: Papers on following aspects will be invited for presentation: Bioinformatics & Biotechnology, Bioinformatics and Biodiversity, Biocomputing and knowledge processing, Computational Tools.

METHODOLOGY : Symposia.

LEVEL OF PARTICIPANTS : Scientists/ Research Scholars from Agricultural & other universities and research institutes.

PREREQUISITES : Basic knowledge of computers.

NUMBER OF PARTICIPANTS : 50

EXPECTED DATE OF ANNOUNCEMENT : 23rd October 2008

Boarding & lodging arrangements etc. : Will be arranged on request on payment basis.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs 1500/-	

Contact Address

Dr. R. Keshavachandran, Coordinator

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E-mail : rkcs@rediffmail.com, bic@kau.in, kaubioinfo@gmail.com
Web -Address : www.kaubic.in

Kumaun University, Nainital

Training Code: [KU-01]

Title	: Application of Bioinformatics to study genetic diversity
Date (from - to -)	: August 11 th - 13 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: General Bioinformatics Trainings

OBJECTIVES: To give exposure to the participants for concept of biodiversity analysis, comparison of nucleotide sequences and construction of phylogenetic trees etc.

CONTENTS: Introduction to bioinformatics, Data Mining, Sequence Analysis and phylogenetic analysis, software tools like BLAST, FASTA, CLC combined work bench.

METHODOLOGY : Lectures, Hands on session and Demonstration.

LEVEL OF PARTICIPANTS : Post graduate students, Research scholars and faculty members.

PREREQUISITES : Basic knowledge of computers.

NUMBER OF PARTICIPANTS : 20

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 500/-	Rs. 500/- + Accommodation charges

Contact Address

Dr. Veena Pande, Coordinator

Phone : 05942-235521 (O) Fax : 05942-235521, 235576 E-mail : veena_biotech@rediffmail.com, veena_kumaun@yahoo.co.in Web -Address :

Lady Doak College, Madurai

Training Code: [LDC-01]

Title	: Training on fundamentals of genome and proteome analysis
Date (from - to -)	: July 04 th - 05 th 2008
Duration (in number of days):	: 2 Days
Subject Area	: Genome and Proteome Analysis

OBJECTIVES: To provide knowledge to the school teachers in efficient teaching of bioinformatics and related areas to the higher secondary students.

CONTENTS: Usage of Database available, Sequence Retrieval, Basic online tools and analysis.

METHODOLOGY : Lectures, Demos, Hands on session.

LEVEL OF PARTICIPANTS : School Teachers and Students (Higher Secondary).

PREREQUISITES : Basic knowledge in Biology/ Life Sciences

NUMBER OF PARTICIPANTS : 15

EXPECTED DATE OF ANNOUNCEMENT : 17th March 2008

Boarding & lodging arrangements etc. : Will be arranged on request

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 250/- (Students)	Rs. 350/-
SAARC Countries	Rs. 350/- (Teachers)	Rs. 450/-
Other Countries		

Contact Address

Dr. R. Shenbagarathai, Coordinator

Phone : 0452-2535575
Fax : 0452-2535575
E-mail : shenbagarathai@rediffmail.com
Web –Address : www.ladydoak.org

Lucknow University, Lucknow

Training Code: [LU-01]

Title	: Training course on Application of Bioinformatics Tools in Biotechnology
Date (from - to -)	: October 21 st - 23 rd 2008
Duration (in number of days):	: 3 Days
Subject Area	: Bioinformatics with respect to Agriculture/ Plant Sciences

OBJECTIVES: The objectives of the training program is to give exposure to the participants of concepts, skills and tools of bioinformatics and to provide hands on training on various bioinformatics approaches for analyzing DNA, RNA and protein sequences.

CONTENTS: Basics of biotechnology, accessing biological repositories, sequence retrieval methods, sequence alignments.

METHODOLOGY : Lectures, Demonstration and Hands on session.

LEVEL OF PARTICIPANTS : Faculty, Research Scholars and Students.

PREREQUISITES : Minimum skills in operation of computers and knowledge in molecular biology.

NUMBER OF PARTICIPANTS : 10

Boarding & lodging arrangements etc. : Limited boarding facility is available in the university guest house and be given on first come first serve basis.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 800/-	Rs. 1400/- (only boarding)

Contact Address**Prof. U. N. Dwivedi, Coordinator**

Phone : 0522-2740132, 2740069 Fax : 0522-2740132 (Telefax) E-mail : upendradwivedi@hotmail.com Web -Address : www.lkouniv.ac.in
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Madras Veterinary College, ChennaiTraining Code: *[MVC-01]*

Title	: Bioinformatics & its applications
Date (from - to -)	: March 09 th - 13 th 2009
Duration (in number of days):	: 5 Days
Subject Area	: General Bioinformatics Trainings

OBJECTIVES: To update the computer skills and knowledge of scientists & teaching faculties in the area of bioinformatics and its applications.

CONTENTS: (i) Bioinformatics & application of IT for R&D (ii) Biological databases (iii) Genomics and Proteomics (iv)Molecular Modeling (v) Sequence & Structure Analysis (vi) Microarray (vii) Bioinformatics Tools (viii) Docking/ Drug Discovery (ix) Phylogeny.

METHODOLOGY : Lectures, Demos and Hands on session.

LEVEL OF PARTICIPANTS : Scientists, Research Scholars and Teaching Faculties of various disciplines.

PREREQUISITES : Knowledge of computer operation preferable.

NUMBER OF PARTICIPANTS : 25-30

Boarding & lodging arrangements etc. : Accommodation may be arranged on payment basis on first come first serve basis.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 1500/-	
SAARC Countries	Rs. 1500/-	
Other Countries	US\$ 100	

Contact Address**Dr. D. Dhanapalan, Coordinator**

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Fax : 044-25360114
E-mail : btismvc@giasmd01.vsnl.net.in, pdhanapalan@hotmail.com
Web -Address : www.tanuv.ac.in

Madurai Kamaraj University, Madurai

Training Code: [MKU-01]

Title	: System approaches to Biology: Simulations, Interactions and Networks
Date (from - to -)	: March 10 th - 12 th 2009
Duration (in number of days):	: 3 Days
Subject Area	: Network pathways, System Biology, Computational & Structural Bioinformatics

OBJECTIVES: Training in advanced concepts in system biology, macromolecular interactions, computational biology and structural bioinformatics.

CONTENTS: Lecture/ Seminars/ Reference Material.

METHODOLOGY : Lecture, Demos, Seminars.

LEVEL OF PARTICIPANTS : Scientists, research scholars and college teachers.

PREREQUISITES : Knowledge of standard bioinformatics tools and databases, preliminary mathematical concepts.

NUMBER OF PARTICIPANTS : 10/20

EXPECTED DATE OF ANNOUNCEMENT : January 2009

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 750/-	Rs. 1000/-
SAARC Countries	US\$ 300	US\$ 500
Other Countries	US\$ 500	US\$ 750

Contact Address**Prof. S. Krishnaswamy, Coordinator**

Phone : 452-2459141
Fax : 452-2459105
E-mail : za_rafi@yahoo.com, sanjeevsky@rediffmail.com
Web -Address : www.biotechmku.org

Mahatma Gandhi Institute of Medical Sciences, Sevagram

Training Code: [MGIMS-01]

Title	: 11th Workshop on Medical Informatics and CME on Biomedical Communication
Date (from - to -)	: November 20 th - 22 nd 2008
Duration (in number of days):	: 3 Days
Subject Area	: Bioinformatics with respect to Medical Sciences

OBJECTIVES: Sensitization of Medical Teachers, Scientists and PG/ Ph.D. students about Medical/ Health Informatics, Hospital Information System.

CONTENTS: i) Medical/ Health Informatics, Hospital Information System, Telemedicine (ii) Bioinformatics with special reference to genomics, Proteomics

METHODOLOGY : Workshop will comprise of lectures, Demonstration, Hands on session by the eminent experts and experienced resource persons.

LEVEL OF PARTICIPANTS : Medical teachers, young scientists and post graduate students in medicine and life sciences.

PREREQUISITES : Participants should already be familiar with computer usage and having interest in Medical/ Health Informatics.

NUMBER OF PARTICIPANTS : 15

EXPECTED DATE OF ANNOUNCEMENT : July 2008 at www.jbtdrc.org

Boarding & lodging arrangements etc. : Boarding and lodging facility will be provided on payment and first come first serve basis

Any other relevant information, if any : So far we have organized 10 National level Workshops/Symposium/ CME on Medical Informatics & Biomedical Communication.

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REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 600/-	Rs. 900/-
SAARC Countries	\$ 25	\$ 30
Other Countries	\$ 50	\$ 60

Contact Address**Dr. B. C. Harinath, Coordinator**

Tele Fax : 07152-284038
E-mail : info@jbtdrc.org
Web -Address : www.jbtdrc.org

National Brain Research Centre, Manesar

Training Code: [NBRC-01]

Title	: Workshop on Computational Neuroscience
Date (from - to -)	: 1 st - 10 th October 2008
Duration (in number of days):	: 10 Days
Subject Area	: Neuroinformatics and Computational Neuroscience

OBJECTIVES: To create awareness and impart training in the field of computational neuroscience.

CONTENTS: Lectures, Tutorials and Computer Lab.

METHODOLOGY : Lectures and labs.

LEVEL OF PARTICIPANTS : Graduate

PREREQUISITES : Background in science, mathematics upto 12th standard.

NUMBER OF PARTICIPANTS : 30

EXPECTED DATE OF ANNOUNCEMENT : August 2008

Boarding & lodging arrangements etc. : By the organizing institution.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 600/-	Rs. 900/-
SAARC Countries	\$25	\$30
Other Countries	\$50	\$60

Contact Address

Dr. Nandini C. Singh, Coordinator

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E-mail : dic@nbrc.ac.in
Web -Address : www.nbrc.ac.in

National Dairy Research Institute , Karnal

Training Code: [NDRI-01]

Title	: National Workshop on Emerging Machine Learning Techniques focusing Animal Sciences
Date (from - to -)	: July 09 th - 11 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: Bioinformatics with respect to Animal/ Aqua Sciences

OBJECTIVES: To provide training on emerging Machine learning techniques and their applications to the scientists, Teachers and post graduate students/ Research scholars in Bioinformatics and Animal Sciences.

CONTENTS: Introduction to modern artificial intelligence techniques, concepts and applications of artificial neural networks and support vector machines, gene algorithms, fuzzy logic systems, rough sets, Data mining to Bioinformatics and Animal Sciences.

METHODOLOGY : Lectures, Demos and hands on session.

LEVEL OF PARTICIPANTS : Scientists/ Teachers, Post graduate students/ Research scholars in Computer Science and Bioinformatics.

PREREQUISITES : Basic knowledge of computers and biology

NUMBER OF PARTICIPANTS : 25

Boarding & lodging arrangements etc. : Boarding and lodging charges to be borne by the participants (if accommodation required)

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs.1500/- (Scientists/ Faculty)	
SAARC Countries	Rs.1000/- (Students/ Scholars)	
Other Countries	Rs. 2500/- US\$ 500	

Training Code: [NDRI-02]

Title	: National Workshop on Genome Analysis and Structural Biology
Date (from - to -)	: October 15 th - 17 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: Genome and Proteome Analysis

OBJECTIVES: To familiarize the scientists and post graduate scholars about various bioinformatics approaches followed to analyse genome sequence and protein structure.

CONTENTS: Database search, Computational Tools for DNA and Protein Sequence Analysis, Phylogenetic Analysis, Gene & Protein predictions, Introduction to structure & analysis of proteins and protein modeling.

METHODOLOGY : Lectures, Demos and hands on session.

LEVEL OF PARTICIPANTS : Scientists/ Post Graduate Students and Research Scholars in Biotechnology, Genetics, Biochemistry and Bioinformatics related to Animal Sciences

PREREQUISITES : Basics of computers and knowledge of experimental Biology/ Animal Sciences.

NUMBER OF PARTICIPANTS : 20

Boarding & lodging arrangements etc. : Boarding and lodging charges to be borne by the participants (if accommodation required)

Contd.....

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs.1500/-(Scientists/ Faculty)	
SAARC Countries	Rs.1000/-(Students/ Scholars)	
Other Countries	Rs. 2500/- US\$ 500	

Contact Address**Dr. D. K. Jain, Coordinator**

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E-mail : dkjn@rediffmail.com, dk_jain@ndri.res.in

Web -Address : www.ndri.res.in

National Institute for Plant Genome Research, New Delhi

Training Code: [NIPGR-01]

Title	: Training on use of Bioinformatics in Plant Biology
Date (from - to -)	: March 12 th - 13 th 2009
Duration (in number of days):	: 2 Days
Subject Area	: Bioinformatics with respect to Agriculture/ Plant Sciences

OBJECTIVES: To train the researchers on the use of Bioinformatics tools in plant biology.

CONTENTS: The use of bioinformatics for addressing problems related to genome and proteome analysis in plants.

METHODOLOGY : Demos and hands on session.

LEVEL OF PARTICIPANTS : Plant researchers from Academia/ Industry

PREREQUISITES : Knowledge in computers and plant biology.

NUMBER OF PARTICIPANTS : 15

EXPECTED DATE OF ANNOUNCEMENT : Early March

Boarding & lodging arrangements etc. : Participants have to arrange their own accommodation.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 500/-	

Contact Address

Dr. Gitanjali Yadav, Coordinator

Phone : 011-26735103
Fax : 011-26741658
E-mail : gy@nipgr.res.in, bic@nipgr.res.in
Web –Address : www.nipgr.res.in

National Institute of Pharmaceutical Education & Research, S.A.S. Nagar

Training Code: *[NIPER-01]*

Title	: Summer training in Modeling and Informatics in Drug-design
Date (from - to -)	: June 30 th - July 18 th 2008
Duration (in number of days):	: 3 Weeks
Subject Area	: Bioinformatics with respect to Medical Sciences

OBJECTIVES: To teach the application of molecular modeling, bioinformatics and chemoinformatics in structure prediction and performing molecular docking and de novo design.

CONTENTS: Molecular modeling, sequence analysis, homology modeling, molecular docking, De Novo drug design, Pharmacoinformatics.

METHODOLOGY : Theoretical session and hands on training.

LEVEL OF PARTICIPANTS : Ph.D. students in chemical, biological, pharmaceutical sciences.

PREREQUISITES : At least completed one year of Ph.D. programme, computational component in research work is required.

NUMBER OF PARTICIPANTS : 40

Boarding & lodging arrangements etc. : Facilities available.

Anyother relevant information, if any : DST may provide funds.

Training Code: [NIPER-02]

Title	: Symposium on Bioinformatics in Natural Product Analysis
Date (from - to -)	: November 16 th - 20 th 2008
Duration (in number of days):	: Half day (part of the International conference)
Subject Area	: Bioinformatics with respect to Medical Sciences

OBJECTIVES: To introduce the topic of bioinformatics to Natural Products Scientists.

CONTENTS: Series of lectures by experts on topics related to (i) Bioinformatics in Natural Products (ii) Bioinformatics in Biodiversity (iii) Bioinformatics in Modulating Natural Products

METHODOLOGY : Symposium as a part of an international conference to be held at NIPER.

LEVEL OF PARTICIPANTS : Registered participants of the conference.

PREREQUISITES : Student/ researcher in natural product chemistry.

NUMBER OF PARTICIPANTS : 500

Boarding & lodging arrangements etc. : Facilities will be made along with conference participants.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Part of the International Conference fee	Part of the International Conference fee

Training Code: [NIPER-03]

Title	: Workshop in Pharmacoinformatics
Date (from - to -)	: March 18 th - 20 th 2009
Duration (in number of days):	: 3 Days
Subject Area	: Bioinformatics with respect to Medical Sciences

OBJECTIVES: To teach the application of molecular modeling, bioinformatics and chemoinformatics in structure prediction and performing molecular docking and de novo design.

CONTENTS: Molecular modeling, Sequence analysis, Homology modeling, Molecular Docking, De Novo Drug Design, Pharmacoinformatics.

METHODOLOGY : Theoretical sessions and Hands on training.

LEVEL OF PARTICIPANTS : M.Sc., M.Pharm, B.Pharm students in chemical/ biological pharmaceutical sciences.

PREREQUISITES : Basic knowledge in computers and molecular biology

NUMBER OF PARTICIPANTS : 60

Boarding & lodging arrangements etc. : Facilities available.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 2000/-	Rs. 2500/-

Contact Address

Dr. C. G. Mohan, Coordinator

Phone : 0172-2214684 Ext. 2018
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Web -Address : www.geocities.com/bhratampv/bharatam.html

Pondicherry University, Pondicherry

Training Code: [PU-01]

Title	: Current trends in bioinformatics teaching & research
Date (from - to -)	: February 12 th - 14 th 2009
Duration (in number of days):	: 3 Days
Subject Area	: Bioinformatics, Computational biology, database & data mining

OBJECTIVES: To create awareness towards application of bioinformatics among students and researchers in modern biology.

METHODOLOGY : Seminar/ Lectures and Hands on session.

LEVEL OF PARTICIPANTS : National

PREREQUISITES : Basic knowledge in Bioinformatics and modern biology.

NUMBER OF PARTICIPANTS : 100

EXPECTED DATE OF ANNOUNCEMENT : December, 2008

Boarding & lodging arrangements etc. : Will be arranged on request and advance payment.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 2500/- (Industry)	
SAARC Countries	Rs. 1500/- (Staff)	
Other Countries	Rs. 1000/- (Students)	
	US\$ 75	US \$ 100
	US\$ 200	US \$ 250

Contact Address

Prof. P. P. Mathur, Coordinator

Phone : 0413-2655212 Fax : 0413-2655211 E-mail : bicpu2001@yahoo.co.in Web -Address : www.bicpu.edu.in

Presidency College, Chennai

Training Code: [PCC-01]

Title	: Application of Bioinformatics in Drug Discovery & Development
Date (from - to -)	: August 04 th - 11 th 2008
Duration (in number of days):	: 7 Days
Subject Area	: Bioinformatics with respect to Medical Sciences

OBJECTIVES: To expose a potential group to understand Bioinformatics as an important tool to do interdisciplinary research on drugs.

CONTENTS: Background information on drug discovery and drug development- Application of Bioinformatics on drug discovery: Impact of human genome project information in drug discovery development. Importance of post marketing surveillance and role of Bioinformatics in discovery and development of drugs with minimal side effects but with maximum efficacy.

METHODOLOGY : Lectures, Demos and Hands on session.

LEVEL OF PARTICIPANTS : Completed post graduation in Biology/ Chemistry/ Microbiology/ Biochemistry/ Biotechnology/ Bioinformatics

PREREQUISITES : Minimum Marks: 55%(for SC/ ST - 50%) NET/ SLET preferable.

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : June 6th, 2008

Boarding & lodging arrangements etc. : Lodging will be arranged for outstation candidates.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 700/-	Rs. 1500/-
SAARC Countries	US\$ 75	US \$ 200
Other Countries	US\$ 100	US \$ 300

Contact Address

Prof. S. Rajarajan, Coordinator

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Web -Address : www.bifcpresidency.net.in

Rajiv Gandhi Centre for Biotechnology, TrivandrumTraining Code: *[RGCB-01]*

Title	: Genomics and Proteomics Application
Date (from - to -)	: June 27 th - 28 th 2008
Duration (in number of days):	: 2 Days
Subject Area	: Genome and Proteome Analysis

OBJECTIVES: To provide exposure to tools and techniques used in the area of genomics and proteomics.

CONTENTS: Introduction to bioinformatics, information resources and database, gene and protein sequence analysis, structural bioinformatics, molecular modeling and application in drug discovery.

METHODOLOGY : Lectures, Demonstration, Presentation and Seminar.

LEVEL OF PARTICIPANTS : Scientists, Research scholars, PG students in the field of bioinformatics.

PREREQUISITES : Knowledge in molecular biology and computers.

NUMBER OF PARTICIPANTS : 50

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 500/-	
SAARC Countries		
Other Countries		

Contact Address**Dr. Sathish Mundayoor, Coordinator**

Phone : 0471-2342315
Fax : 0471-2348096
E-mail : disc@rgcb.res.in
Web -Address : www.rgcb.res.in

Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow

Training Code: [SGPGI-01]

Title	: Bioinformatics tools & techniques for gene and protein analysis
Date (from - to -)	: August 08 th - 10 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: Bioinformatics, Genome and Proteome Analysis

OBJECTIVES: To create awareness among participants for the use of bioinformatics, genome and proteome analysis tools in their research work.

CONTENTS: Bioinformatics and applications related to database retrieval, biological sequence analysis, genomics, proteomics and phylogenetic analysis.

METHODOLOGY : Lectures, Demos and Hands on session.

LEVEL OF PARTICIPANTS : Scientists, Research Fellows and medical people

PREREQUISITES : Basic knowledge of computers

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : June 2008

Boarding & lodging arrangements etc. : Boarding and lodging as per availability of guest house and on payment at official rates.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 750/-	

Training Code: [SGPGI-02]

Title	: Bioinformatics for Clinicians
Date (from - to -)	: October 10 th - 11 th 2008
Duration (in number of days):	: 2 Days
Subject Area	: Bioinformatics with respect to Medical Sciences

OBJECTIVES: Principles of clinical research data management.

CONTENTS: Submission, management and data extraction using OpenClinica.

METHODOLOGY : Lectures, Demos and Hands on session

LEVEL OF PARTICIPANTS : Scientists, Lecturers, Medicos

PREREQUISITES : Basic knowledge of computers

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : Second week of September 2008

Boarding & lodging arrangements etc. : Boarding and lodging as per availability of guest house and on payment at official rates.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 500/-	

Training Code: [SGPGI-03]

Title	: Homology modeling and docking studies
Date (from - to -)	: December 19 th - 20 th 2008
Duration (in number of days):	: 2 Days
Subject Area	: Computational and Structural Bioinformatics

OBJECTIVES: To familiarize the researchers with protein three dimensional structure prediction and docking studies.

CONTENTS: Lectures and demonstrations on experimental aspects of protein structure prediction and docking.

METHODOLOGY : Lectures, Demos and Hands on session

LEVEL OF PARTICIPANTS : Scientists, Lecturers, Medicos and Research Fellows

PREREQUISITES : Basic knowledge of computers

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : Second week of November 2008

Boarding & lodging arrangements etc. : Boarding and lodging as per availability of guest house and on payment at official rates.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 500/-	

Training Code: [SGPGI-04]

Title	: Bioinformatics and its application in Medical Sciences
Date (from - to -)	: March 06 th - 08 th 2009
Duration (in number of days):	: 3 Days
Subject Area	: Bioinformatics with respect to Medical Sciences

OBJECTIVES: To introduce the basic concepts of medical informatics to young medical professionals and biomedical scientists.

CONTENTS: Bibliographic and other biomedical information database search, management of clinical and radiological images, use of computers in planning radiation treatment, Data Management: Entering, Validating and storing data using Excel, Microsoft Access and EpiData.

METHODOLOGY : Lectures, Demos and Hands on session

LEVEL OF PARTICIPANTS : Scientists, Lecturers, Medicos and Research Fellows

PREREQUISITES : Basic knowledge of computers

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : First week of February 2009

Boarding & lodging arrangements etc. : Boarding and lodging as per availability of guest house and on payment at official rates.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 750/-	

Contact Address**Dr. Sita Naik, Coordinator**

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Web -Address : http://biomedinfo.spggi.ac.in

Sant Gadge Baba Amravati University, Amravati

Training Code: [SGBAU-01]

Title	: Bioinformatics in Data Analysis of Genes and Proteins
Date (from - to -)	: September 05 th - 07 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: Knowledge Discovery from Data (KDD)

OBJECTIVES: To familiarize participants with available nucleic acid and protein databases and methods to access, search and retrieve information from Databases and analysis of data.

CONTENTS: (i) Introduction to Biological Databases; (ii) In-silico mining of databases; (iii) Retrieval of information from databases and (iv) Analysis of Data.

METHODOLOGY : Theory, Lectures, practical demonstration and hands on training.

LEVEL OF PARTICIPANTS : Scientists, Teachers and Research Scholars

PREREQUISITES : Basic knowledge of computers

NUMBER OF PARTICIPANTS : 15

EXPECTED DATE OF ANNOUNCEMENT : First week of July 2008

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 500/-	Actual Charges of University guest house

Training Code: [SGBAU-02]

Title	: Application of Bioinformatics in Computational Biology
Date (from - to -)	: December 15 th - 21 st 2008
Duration (in number of days):	: 7 Days
Subject Area	: Computational and Structural Bioinformatics

OBJECTIVES: To provide a detailed understanding of the theories underlying different principles in bioinformatics and the role of bioinformatics in data analysis of genes and proteins.

CONTENTS: Structural and functional genomics, Computational tools for DNA sequence analysis, Gene prediction, Proteomics and Bioinformatics: Structural and Functional proteomics, Protein analysis servers, Biological Databases: Data Submission and retrieval, Genome projects in progress.

METHODOLOGY : Lectures, Demos and Hands on session

LEVEL OF PARTICIPANTS : Scientists, Teachers and Research Scholars

PREREQUISITES : Basic knowledge of computers

NUMBER OF PARTICIPANTS : 10-15

EXPECTED DATE OF ANNOUNCEMENT : First week of October 2008

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 500/-	Actual charges of University guest house

Contact Address

Dr. Prasad A. Wadegaonkar, Coordinator

Phone : 0721-2662207 08 Ext. 267 09422157263
Fax : 0721-2662135, 2660949
E-mail : prasadwadegaonkar@rediffmail.com
Web -Address :

Sardar Vallabh Bhai Patel University of Agriculture & Technology, Meerut

Training Code: [SVBPUAT-01]

Title	: Bioinformatics Tools and its application in Biotechnology
Date (from - to -)	: June 09 th - 18 th 2008
Duration (in number of days):	: 10 Days
Subject Area	: General Bioinformatics Trainings

OBJECTIVES: Exposure to various tools and techniques in Bioinformatics, Database development and languages.

CONTENTS: Introduction to Bioinformatics Sequence, search tools, Bioinformatics web resources & tools, Basic concepts of DBMS, Use of various softwares in Bioinformatics, Basics of Genomics, Proteomics & emerging concepts of Biotechnology and Bioinformatics, Sequence analysis and phylogeny prediction.

METHODOLOGY : Lectures, Demonstration, Hands on session and Workshop.

LEVEL OF PARTICIPANTS : Research Scholars and Students.

PREREQUISITES : Minimum Science Graduate in Bioinformatics, Biotechnology or IT.

NUMBER OF PARTICIPANTS : 25

EXPECTED DATE OF ANNOUNCEMENT : April, 2008

Boarding & lodging arrangements etc. : Boarding and lodging are to be borne by the participants. Accommodation if required for participants will be arranged at nominal rates.

Contd.....

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 500/- (for students)	
SAARC Countries	Rs. 1000/-	
Other Countries	(for Research Scholars)	

Contact Address**Dr. Raghvendar Singh, Coordinator**

Phone : 0121-2411534

Fax : 0121-2411515

E-mail : raghvendar@gmail.com

Web –Address : www.svbpmeerut.org

Sikkim State Council of Science & Technology, Gangtok

Training Code: *[SCSTS-01]*

Title	: Training programme on Bioresource Database
Date (from - to -)	: August 18 th - 23 rd 2008
Duration (in number of days):	: 6 Days (One week)
Subject Area	: Major Database Developments & Retrieval

OBJECTIVES: Sikkim being a biodiversity hotspot is bestowed with rich flora and fauna having aesthetic, medicinal, aromatic and socio economic importance nationally as well as internationally. Digital documentation of these bioresources are necessary and have to be done in proper manner.

CONTENTS: Database creation, Management, Storage and Retrieval, Application of Softwares in Database Management.

METHODOLOGY : Workshop (Lectures, Demos and Hands on session).

LEVEL OF PARTICIPANTS : Students, Researchers, Lecturers, Entrepreneurs and Ecologists.

PREREQUISITES : Minimum graduate in Life Sciences with knowledge of computers.

NUMBER OF PARTICIPANTS : 25

EXPECTED DATE OF ANNOUNCEMENT : August 02th, 2008

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 500/-	Accommodation shall be arranged on request on payment basus.
SAARC Countries	Rs. 1000/-	
Other Countries	Rs. 1000/-	

Training Code: [SCSTS-02]

Title	: Bioinformatics Tools and Software Applications
Date (from - to -)	: September 22 nd - 27 th 2008
Duration (in number of days):	: 6 Days (One week)
Subject Area	: Bioinformatics training for technical personnel working for BTISnet centres

OBJECTIVES: To train the researchers and staff members in bioinformatics.

CONTENTS: Pair and multiple sequence alignment, Database management tools, Latest Bioinformatics Application Softwares, Integration of Database.

METHODOLOGY : Lectures, Demos and Hands on session.

LEVEL OF PARTICIPANTS : Science graduates, Post Graduates and Research Scholars and Lecturers, existing BTISnet staff.

PREREQUISITES : Minimum science graduate with basic computer knowledge and personnel working in BTISnet centres.

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : August 27th, 2008

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 500/-	Accommodation shall be arranged on request on payment basus.
SAARC Countries	Rs. 1000/-	
Other Countries	Rs. 1000/-	

Contact Address

Shri B. C. Basistha, Coordinator

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E-mail : bits_skm@yahoo.com
Web –Address : www.dstsikkim.gov.in/disc.htm

SVIMS, Tirupati**Training Code:** [SVIMS-01]

Title	: National Workshop on Drug Designing
Date (from - to -)	: April 24 th - 26 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: Bioinformatics with respect to Medical Sciences

OBJECTIVES: (i) To improve bioinformatics teaching in biology teachers. (ii) To improve skills in bioinformatics applications in researchers involved in Life Sciences.

CONTENTS: Biological Sequence Analysis, Molecular Modeling, Docking Studies.

METHODOLOGY : Lectures, Demos and Hands on session.

LEVEL OF PARTICIPANTS : Research Scholars/ Lecturers from Universities and colleges.

PREREQUISITES : Printing of brochures, Scientific programme details and manual.

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : March 17, 2008

Boarding & lodging arrangements etc.) : Accommodation will be provided as per the request of participants with minimal charges.

Any other relevant information, if any :

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 500/-	Rs. 800/-

Contact Address**Dr. A. Umamaheswari, Coordinator**

Phone : 0877-2287727
Fax : 0877-2286803
E-mail : aminenimaheswari@yahoo.co.in
Web -Address :

Sri Venkateswara College, New Delhi

Training Code: [SVC-01]

Title	: Instructional Workshop on Bioinformatics for School Teachers
Date (from - to -)	: April 24 th - 25 th 2008
Duration (in number of days):	: 2 Days
Subject Area	: Teachers Training

OBJECTIVES: To impact an awareness of Bioinformatics among the school teachers by introducing the basic as well as advanced technologies in bioinformatics.

CONTENTS: Visualization software, Data Retrieval, Databases, Sequence Analysis, Genome and proteome analysis, phylogenetic tree construction.

METHODOLOGY : Lectures, Demos and Hands on session.

LEVEL OF PARTICIPANTS : School Teachers

PREREQUISITES : Basic knowledge in biotechnology or biology

NUMBER OF PARTICIPANTS : 25

EXPECTED DATE OF ANNOUNCEMENT : March 2008

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 500/-	

Training Code: [SVC-02]

Title	: Genomics and Proteomics: Concepts and applications
Date (from - to -)	: September 25 th - 26 th 2008 (Tentative)
Duration (in number of days):	: 2 Days
Subject Area	: Teachers Training

OBJECTIVES: To impart theoretical and practical training in the area of genomics and proteomics to academicians, scientists, research scholars.

CONTENTS: Tools for genome analysis, Functional genomics, Proteome analysis and application of bioinformatics tools for genome and proteome analysis.

METHODOLOGY : Lectures, Demos and Hands on session.

LEVEL OF PARTICIPANTS : College Teachers, Research Scholars, Students

PREREQUISITES : Knowledge in modern biology.

NUMBER OF PARTICIPANTS : 25

EXPECTED DATE OF ANNOUNCEMENT : July 2008

Boarding & lodging arrangements etc. : No accommodation will be provided.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 800/-	

Training Code: [SVC-03]

Title	: Structural Bioinformatics: Towards Drug Design
Date (from - to -)	: December 03 th - 05 th 2008 (Tentative)
Duration (in number of days):	: 3 Days
Subject Area	: Teachers Teaching

OBJECTIVES: To generate awareness among representatives from research institutions, industries, academia and students on the role of structural bioinformatics in molecular modeling, Docking and drug design.

CONTENTS: Protein Structure Prediction Methods, Structural Bioinformatics in Molecular Modeling, Molecular Docking and Drug Design Approaches.

METHODOLOGY : Lectures, Demos and Hands on session.

LEVEL OF PARTICIPANTS : Research Scholars, College Teachers and Students.

PREREQUISITES : Knowledge in computer applications and molecular biology.

NUMBER OF PARTICIPANTS : 25

EXPECTED DATE OF ANNOUNCEMENT : August 2008

Boarding & lodging arrangements etc.) : Accommodation on request

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 1000/-	Rs. 2000/-

Contact Address

Dr. N. Latha, Coordinator

Phone : 011-24111742 Fax : 011-24118535 E-mail : bif.svc@gmail.com Web -Address : www.svcollege.net
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T. M. Bhagalpur University, Bhagalpur**Training Code:** [TMBU-01]

Title	: Database, Data Mining and Retrieval of Information
Date (from - to -)	: August 18 th - 22 nd 2008
Duration (in number of days):	: 5 Days
Subject Area	: General Bioinformatics Trainings

OBJECTIVES: To familiarize participants with available nucleic acid and protein databases and method to access, search and retrieval information from databases.

CONTENTS: Theory lectures, practical demonstration and hands on training with cover introduction to biological databases, in-silico mining of databases and retrieval of information from databases.

METHODOLOGY : Workshop including Lectures, Demonstration and hands on training.

LEVEL OF PARTICIPANTS : Teachers, Research scholars and students

PREREQUISITES : M.Sc. and above

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : 19th July, 2008

Boarding & lodging arrangements etc. : If required arrangement for food and lodging will be made.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 1000/-	Rs. 2000/-
SAARC Countries	Rs. 1500/-	Rs. 3000/-
Other Countries		

Training Code: [TMBU-02]

Title	: Application of Bioinformatics in Agriculture/ Plant Sciences
Date (from - to -)	: February 16 th - 20 th 2009
Duration (in number of days):	: 5 Days
Subject Area	: Bioinformatics with respect to Agriculture/ Plant Sciences

OBJECTIVES: To create awareness among participants in the field of Bioinformatics in Agriculture/ Plant Sciences and to familiarize them with the latest developments related to application of bioinformatics in agriculture.

CONTENTS: Introduction to Bioinformatics, Application of Bioinformatics in Agriculture/ Plant Sciences, Sequence Analysis, Comparative Plant Genomics etc.

METHODOLOGY : Workshop including Lectures, Demonstration and hands on training.

LEVEL OF PARTICIPANTS : Teachers, Research scholars and students

PREREQUISITES : M.Sc. and above

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : 10th January, 2009

Boarding & lodging arrangements etc.) : If necessary arrangement for food and lodging will be made.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 1000/-	Rs. 2000/-
SAARC Countries	Rs. 1500/-	Rs. 3000/-
Other Countries		

Contact Address

Dr. R. P. Upadhyaya, Coordinator

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Fax :
E-mail : ramprakash.upadhyay@rediffmail.com
Web –Address : www.bioinformatics-tmbu.org.in

Tamil Nadu Agricultural University, Coimbatore

Training Code: [TNAU-01]

Title	: Protein Structure Prediction and Docking
Date (from - to -)	: February 16 th - 20 th 2009
Duration (in number of days):	: 5 Days
Subject Area	: Bioinformatics with respect to Agriculture/ Plant Sciences

OBJECTIVES: To impart high level training in the field of molecular modeling and docking.

CONTENTS: Biological Database, Sequence Retrieval, Protein Visualization, Protein Modeling, Structure Refinement and Validation and Molecular Docking.

METHODOLOGY : Lectures, Demos and Hands on session.

LEVEL OF PARTICIPANTS : Students, Research scholars and faculty.

PREREQUISITES : M.Sc./ PhD. in Life Sciences.

NUMBER OF PARTICIPANTS : 12

EXPECTED DATE OF ANNOUNCEMENT : First week of January, 2009

Boarding & lodging arrangements etc.) : On request.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 250/- (students)	
SAARC Countries	Rs. 500/- (Faculty,	
Other Countries	Research Scholars)	

Contact Address

Dr. P. Balasubramanian, Coordinator

Phone : 0422-6611262
Fax : 0422-6611462
E-mail : biotech@tnau.ac.in
Web -Address : www.cpbmbtnau.org

Tezpur University, Tezpur

Training Code: [TU-01]

Title	: Bioinformatics and its Applications
Date (from - to -)	: July 22 nd - 28 th 2008
Duration (in number of days):	: 7 Days
Subject Area	: General Bioinformatics Trainings

OBJECTIVES: To create awareness of students and scholars on application of bioinformatics in biology.

CONTENTS: Definition and scope of bioinformatics, basic computing, bioinformatics facilities and tools, website search, e-mail, e-books and e-journals etc.

METHODOLOGY : Lectures, Demonstrations, hands on training and participatory discussion.

LEVEL OF PARTICIPANTS : On-going M.Sc. and Ph.D. students

PREREQUISITES : Knowledge of basic computing

NUMBER OF PARTICIPANTS : 25

EXPECTED DATE OF ANNOUNCEMENT : Middle of May 2008

Boarding & lodging arrangements etc. : Will be arranged in the hostel and guest house

Any other relevant information, if any : No traveling expenses will be paid to trainees

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 250/- per head	Rs. 500/- per head
SAARC Countries	Rs. 250/-per head	Rs. 1000/- per head
Other Countries		

Training Code: [TU-02]

Title	: Application of Bioinformatics in Computational Biology
Date (from - to -)	: December 15 th - 21 st 2008
Duration (in number of days):	: 7 Days
Subject Area	: Computational and Structural Bioinformatics

OBJECTIVES: To enable students and scholars to use bioinformatics software to elucidate structures of active compounds, protein and nucleic acids.

CONTENTS: Active compound analysis, proteomics, genomics, metabolomics, DNA, RNA and Protein Sequencing, Data storage and retrieval.

METHODOLOGY : Lectures, descriptions and use of softwares, structure elucidation with examples and discussion.

LEVEL OF PARTICIPANTS : On-going M.Sc. and Ph.D. students

PREREQUISITES : Good knowledge on use of computers

NUMBER OF PARTICIPANTS : 25

EXPECTED DATE OF ANNOUNCEMENT : First week of November 2008

Boarding & lodging arrangements etc.) : Will be arranged in the hostel and guest house

Any other relevant information, if any : No traveling expenses will be paid to trainees

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 250/- per head	Rs. 500/- per head
SAARC Countries	Rs. 250/-per head	Rs. 1000/- per head
Other Countries		

Contact Address**Prof. B. K. Konwar, Coordinator**

Phone : 03712-267172, 267007/ 8/ 9 Ext. 5401/ 2 (M) 9954449468
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Tropical Botanic Garden and Research Institute, Trivandrum

Training Code: *[TBGRI-01]*

Title	: Biodiversity Database Organization, its Management and Interlinking
Date (from - to -)	: May 26 th - 30 th 2008
Duration (in number of days):	: 5 Days
Subject Area	: Teachers Training

OBJECTIVES: To empower the teachers and research students for organizing biodiversity databases, its management and interlinking on the web.

CONTENTS: Introduction to database and its applications, nature of biological data with special reference on biodiversity.

METHODOLOGY : Lectures, Demos, hands on session.

LEVEL OF PARTICIPANTS : Teachers and Research students.

PREREQUISITES : Knowledge of biodiversity and computer operation.

NUMBER OF PARTICIPANTS : 15

EXPECTED DATE OF ANNOUNCEMENT : Second week of April, 2008

Boarding & lodging arrangements etc. : Participants will have to bear their own expenses. However on prior intimation, arrangements of boarding and lodging can be made.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 250/-	Rs. 1750/-
SAARC Countries	Rs. 350/-	Rs. 2500/-
Other Countries	Rs. 1000/-	Rs. 10000/-

Training Code: [TBGRI-02]

Title	: Bioinformatics with special emphasis on biodiversity, statistical analysis, data mining and interpretation.
Date (from - to -)	: November 26 th - 16 th December 2008
Duration (in number of days):	: 21 Days
Subject Area	: Teachers Training

OBJECTIVES: Empowering the college teachers in bioinformatics tools for organizing biological database, its management and interlinking on the web, statistical analysis of data, data mining and interpretation as well as insilica modeling leading to novel information.

CONTENTS: Bioinformatics overview and its application with reference on biodiversity, internet and new biology, biological databases on the web and its application, bioinformatics tools available on the web, concept of web portal and interlinking of databases.

METHODOLOGY : Lectures, Demos, hands on session.

LEVEL OF PARTICIPANTS : Teachers, Ph.D. students and Scientists.

PREREQUISITES : Knowledge in computer operation.

NUMBER OF PARTICIPANTS : 15

EXPECTED DATE OF ANNOUNCEMENT : First week of October, 2008

Boarding & lodging arrangements etc.) : Participants will have to bear their own expenses. However, on prior intimation, arrangements of boarding and lodging can be made.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 250/-	Rs. 1750/-
SAARC Countries	Rs. 350/-	Rs. 2500/-
Other Countries	Rs. 1000/-	Rs. 10000/-

Contact Address**Dr. P. N. Krishnan, Coordinator**

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Fax : 0471-2753050, 2869246
E-mail : tbgri@sancharnet.in
Web -Address : www.tbgri.in, www.bioinfotbgri.org

University of Allahabad, Allahabad

Training Code: [UA-01]

Title	: International workshop on Computational System Biology and Molecular Modeling
Date (from - to -)	: July 10 th - 13 th 2008
Duration (in number of days):	: 5 Days
Subject Area	: Network Pathways, Molecular Modeling and System Biology

OBJECTIVES: The workshop is aimed to bring together molecular biologists, computational biologists and geneticists to understand and offer how to cure a disease by adopting a systems biologic approach.

CONTENTS: The areas covered will be principally on, but not limited to Metabolomics, Computational biology, Systems Biology, Drug Designing, Functional Genomics and Molecular Modeling.

METHODOLOGY : Lectures followed by presentations in the form of a workshop and demos in the computing labs.

LEVEL OF PARTICIPANTS : University faculty, College teachers, Mid level scientists, Research scholars.

PREREQUISITES : Master degree in Biochemistry, Bioinformatics, Zoology, Botany, Chemistry, Computer Science & Microbiology.

NUMBER OF PARTICIPANTS : 30

EXPECTED DATE OF ANNOUNCEMENT : First week of April, 2008

Boarding & lodging arrangements etc.) : Students will be accommodated in student hostels. Outstation participants will be required to pay advance for hotel booking.

Contd.....

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 750/- (students),	Rs.1500/-(student),
SAARC Countries	Rs.1000/-(Faculty)	Rs.2000/-(Faculty)
Other Countries	USD 300	USD 600
	USD 400	USD 800

Contact Address**Prof. Dwijendra Gupta, Coordinator**

Phone : 0532-2460326, 09335150718 (Cell Phone)

Fax : 0532-2545733

E-mail : dwijenkumar@rediffmail.com, dwijenkumar@gmail.com

Web -Address : www.alldunivpio.org

University of Kashmir, Srinagar

Training Code: *[BICKU-01]*

Title	: National Workshop on Drug Designing
Date (from - to -)	: August 28 th - 30 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: Bioinformatics with respect to Medical Sciences

OBJECTIVES: To provide comprehensive review of the drug discovery process against a backdrop of the technology and research revolution includes a horizontal overview of the disciplines involved in the drug discovery process and vertical delve in to the critical elements of the discipline.

CONTENTS: Target identification and validation, lead discovery and optimization, enzymology and pharmacology, drug metabolism, pharmacokinetics, toxicology, biopharmaceuticals, drug formulations and personalized medicine.

METHODOLOGY : Lectures, Demonstration and Hands on session.

LEVEL OF PARTICIPANTS : Post graduate students, Research Scholars, Faculty members and Scientists from R&D Institutions.

PREREQUISITES : Life Science background and familiarity with computers.

NUMBER OF PARTICIPANTS : 10-15

EXPECTED DATE OF ANNOUNCEMENT : By ending June, 2008

Boarding & lodging arrangements etc.) : Lodging arrangements can be made on prior intimation on nominal charges.

Contd.....

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India SAARC Countries Other Countries	Rs. 500/-	Rs. 800/-

Contact Address**Prof. Khurshid I. Andrabi, Coordinator**

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Web -Address : www.bioinfoku.org

University of Kerala, Trivandrum

Training Code: [KUBIF-01]

Title	: Computer aided Drug Design
Date (from - to -)	: July 18 th , 2008
Duration (in number of days):	: One Day
Subject Area	: Structural Bioinformatics

OBJECTIVES: Introduction to basic concept of computer aided drug design and provide a hands on training with academic software.

CONTENTS: CADD, Molecular targets, Ligand Database, Docking, Virtual Screening, Denovo Design.

METHODOLOGY : Lectures, Hands on session.

LEVEL OF PARTICIPANTS : Scientists, Research Scholars, Life Science and Computer Science students

PREREQUISITES : Basic computer skill, basic knowledge in biomolecules.

NUMBER OF PARTICIPANTS : 20

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 200/-	Rs. 2000/-
SAARC Countries	Rs. 200/-	Rs. 2000/-
Other Countries	USD 50	USD 100

Training Code: [KUBIF-02]

Title	: Seminar on Bioinformatics
Date (from - to -)	: August 13 th - 14 th -, 2008
Duration (in number of days):	: 2 Days
Subject Area	: Bioinformatics/ Computational Biology

OBJECTIVES: To familiarize teachers, research scholars, students with the nature and scope of bioinformatics.

CONTENTS: General introduction to bioinformatics and computational biology, overview of branches and emerging trends.

METHODOLOGY : Lectures, Demos.

LEVEL OF PARTICIPANTS : Scientists, Research Scholars, Life Science and Computer Science students

PREREQUISITES : Basic computer skill and basic knowledge in Life Sciences.

NUMBER OF PARTICIPANTS : 50

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 500/-	Rs. 2300/-
SAARC Countries	Rs. 500/-	Rs. 2300/-
Other Countries	USD 100	USD 150

Training Code: [KUBIF-03]

Title	: e-cell workshop
Date (from - to -)	: December 18 th - 19 th , 2008
Duration (in number of days):	: 2 Days
Subject Area	: System Biology/ Computational Biology

CONTENTS: Overview of system biology, modeling of cell - introducing e-cell software.

METHODOLOGY : Lectures, Hands on session.

LEVEL OF PARTICIPANTS : Scientists, Research Scholars, students in Life Science and Computer Science.

PREREQUISITES : Basic computer skills, Basic programming.

NUMBER OF PARTICIPANTS : 30

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 1200/-	Rs. 3200/-
SAARC Countries	Rs. 1200/-	Rs. 3200/-
Other Countries	USD 250	USD 450

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University of North Bengal, Siliguri

Training Code: [UNB-01]

Title	: Application of Bioinformatics for Biodiversity & Conservation
Date (from - to -)	: July 18 th - 20 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: Bioinformatics with respect to Environment and Biodiversity

OBJECTIVES: For training on computational aspects in biodiversity and conservation with reference to bioinformatics.

CONTENTS: Creation of Database related to Biodiversity and environmental management.

METHODOLOGY : Lectures, Demos, Hands on training and one day seminar

LEVEL OF PARTICIPANTS : Students, Research Scholar, Scientists and Teachers.

PREREQUISITES : M.Sc. in any discipline of Science with basic knowledge in Biology and Computer.

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : June, 2008

Boarding & lodging arrangements etc.) : May be arranged for outstation participants on payment basis and prior request.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 500/- (including working lunch) -DO-	Rs. 800/- (including working lunch) -DO-
SAARC Countries		
Other Countries		

Training Code: [UNB-02]

Title	: Use of Bioinformatics tools for the study of genetic diversity and Molecular Phylogeny
Date (from - to -)	: November 07 th - 09 th 2008
Duration (in number of days):	: 3 Days
Subject Area	: Genome and Proteome Analysis

OBJECTIVES: To familiarize the participants about the bioinformatics tools developed for studying genetic diversity and phylogeny.

CONTENTS: Computer based prediction of functionally important genes and proteins and application of bioinformatics tools to study molecular phylogeny and evolution.

METHODOLOGY : Lectures, Demos and Hands on training

LEVEL OF PARTICIPANTS : Students, Research Scholar, Scientists and Teachers.

PREREQUISITES : M.Sc. in any discipline of Science with basic knowledge in Biology and Computer.

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : October, 2008

Boarding & lodging arrangements etc.) : May be arranged for outstation participants on payment basis and prior request.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 500/- (including working lunch)	Rs. 800/- (including working lunch)
SAARC Countries	-DO-	-DO-
Other Countries	-DO-	-DO-

Training Code: [UNB-03]

Title	: Molecular modeling and drug designing: A structural biology approach
Date (from - to -)	: February 13 th - 15 th 2009
Duration (in number of days):	: 3 Days
Subject Area	: Computational and Structural Bioinformatics

OBJECTIVES: Training on Molecular Modeling and Computer based Drug Design.

CONTENTS: Homology Modeling, Protein Visualization, Structure refinement and validation, and Molecular docking.

METHODOLOGY : Lectures, Demos, Hands on training and one day seminar

LEVEL OF PARTICIPANTS : Students, Research Scholar, Scientists and Teachers.

PREREQUISITES : M.Sc. in any discipline of Science with basic knowledge in Biology and Computer.

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT : January, 2009

Boarding & lodging arrangements etc.) : May be arranged for outstation participants on payment basis and prior request.

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 500/- (including working lunch) -DO-	Rs. 800/- (including working lunch) -DO-
SAARC Countries		
Other Countries		

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University of Pune, Pune

Training Code: [UOP-01]

Title	: Empowering Bioinformatics Facilitators
Date (from - to -)	: December 16 th - 20 th 2008
Duration (in number of days):	: 5 Days
Subject Area	: General Bioinformatics Training: Training the trainers

OBJECTIVES: With a modest beginning in late 80s, Bioinformatics has not only emerged as a full fledged discipline but also became an integral part of Life Science research in the post-genomic era. In order to meet the growing demands of skilled human resource, a large number of short and long term training programs have been initiated in various universities/ Institutes. Similarly workshop aims at empowering the bioinformatics facilitators/ teachers.

CONTENTS: Databases & Algorithms in Bioinformatics: concept to practice and Issues involved in teaching bioinformatics.

METHODOLOGY : Lectures, Demos, Hands on session, Workshop.

LEVEL OF PARTICIPANTS : Teachers in Bioinformatics.

PREREQUISITES : Basic knowledge in Biology, Chemistry, Computing & Bioinformatics.

NUMBER OF PARTICIPANTS : 30-40

EXPECTED DATE OF ANNOUNCEMENT : November First week.

Boarding & lodging arrangements etc.) : Not covered

Contd.....

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs. 3000/- (Academia)	As per actual
SAARC Countries	Rs.5000/- (Industry)	
Other Countries	USD 400 (Academia)	As per actual
	USD 600 (Industry)	
	USD 500 (Academia)	As per actual
	USD 700 (Industry)	

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University of Rajasthan, Jaipur

Training Code: [UR-01]

Title	: Biological Sequence Analysis
Date (from - to -)	: October 17 th - 18 th 2008
Duration (in number of days):	: 2 Days
Subject Area	: General Bioinformatics Trainings

OBJECTIVES: To make participants aware how to subject a DNA or a peptide sequence to sequence alignment, sequence databases, repeated sequence searches and other Bioinformatics methods on computer.

CONTENTS: Bioinformatics overview, Molecular Databases, Information Retrieval, File format, Homology searching using BLAST & FASTA, Sequence alignment: Pairwise & Multiple, Phylogenetics, Primer designing, compositional analysis at biological sequences.

METHODOLOGY : Lectures, Demonstration and Hands on session.

LEVEL OF PARTICIPANTS : B.Sc., M.Sc. and Ph.D. students or faculty.

PREREQUISITES : Basics of Life Sciences.

NUMBER OF PARTICIPANTS : 30

REGISTRATION FEE (if any):		
Participants from	Without Accommodation	With Accommodation
India	Rs.500/-(Academic Institute)	
SAARC Countries	Rs.1000/-(Commercial	
Other Countries	Institute)	

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CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur

Training Code: [CSKHPKV-01]

Title	:	Bioinformatics: Current approaches and applications in plant sciences
Date (from ___ to ___)	:	September 11-12, 2008
Duration (in number of days)	:	Two days
Subject Area (As per List enclosed)	:	Bioinformatics with respect to Agriculture/ Plant Sciences

OBJECTIVES : To create awareness among the participants about the current approaches and applications of bioinformatics in plant sciences.

CONTENTS : The course will be designed to provide hands-on-training on the computational biology, biological databases and their role in genome annotation, in silico gene mining, gene prediction and proteomics etc.

METHODOLOGY (Lectures, Demos, Hands on Session, Workshop/Seminar/Symposia etc.) : Lectures, Demonstrations, Hands on Sessions.

LEVEL OF PARTICIPANTS : Scientists/ Lecturers/ Research scholars/PG students and persons working in the field of Bioinformatics

PREREQUISITES : Basic knowledge of computer

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT :

Boarding & lodging arrangements etc.) Will be arranged on request
Any other relevant information, if any

REGISTRATION FEE	Without Accommodation	With Accommodation
India	Nil	
SAARC		
Other Countries		

Training Code: [CSKHPKV-02]

Title	: Applications of bioinformatics in genome and proteome analysis
Date (from ___ to ___)	: February 12-13, 2009
Duration (in number of days)	: Two days
Subject Area (As per List enclosed)	: Genome and Proteome Analysis

OBJECTIVES : To create awareness among the participants on various bioinformatics approaches in plant sciences.

CONTENTS : The course will be designed to provide hands-on-training on the computational biology, biological databases and their role in genome annotation, in silico gene mining, gene prediction and proteomics etc. The free tools used in bioinformatics will be discussed and used during the training programme.

METHODOLOGY (Lectures, Demos, Hands on Session, Workshop/Seminar/Symposia etc.) : Lectures, Demonstrations, Hands on Sessions.

LEVEL OF PARTICIPANTS : Scientists/ Lecturers/ Research scholars/PG students and persons working in the field of Bioinformatics

PREREQUISITES : Basic knowledge of computer

NUMBER OF PARTICIPANTS : 20

EXPECTED DATE OF ANNOUNCEMENT :

Boarding & lodging arrangements etc.) Will be arranged on request
Any other relevant information, if any

REGISTRATION FEE	Without Accommodation	With Accommodation
India	Nil	
SAARC		
Other Countries		

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Kalyani University, Kalyani

Training Code: [KALYANI-01]

Title	:	System Biology and its use
Date (from ___ to ___)	:	3 rd -7 th November ,2008
Duration (in number of days)	:	Five days
Subject Area (As per List enclosed)	:	Network Pathways & Systems Biology

OBJECTIVES : To get insight of the present days System Biology

CONTENTS: System Biology procedures for visualization of biological processes and to model the processes through judicious decision making.

METHODOLOGY (Lectures, Demos, Hands on Session, Workshop/Seminar/Symposia etc.) : Workshop: Lectures, Demos and Hands on.

LEVEL OF PARTICIPANTS : Researchers, Scientists and Teachers

PREREQUISITES : Masters Degree with strong Mathematical Background

NUMBER OF PARTICIPANTS : Twenty

EXPECTED DATE OF ANNOUNCEMENT : One month before the scheduled date

Boarding & lodging arrangements etc.) Boarding & lodging can be provided on request
Any other relevant information, if any Based on availability

REGISTRATION FEE	Without Accommodation	With Accommodation
India	RS. 750.00	Separate
SAARC	Rs. 750.00	
Other Countries	Rs. 4000.00	

Training Code: [KALYANI-02]

Title	: Current trends in Evolutionary Biology
Date (from ___ to ___)	: 17 th -20 th February, 2009
Duration (in number of days)	: Four days
Subject Area (As per List enclosed)	: Knowledge Discovery from Data (KDD)

OBJECTIVES : To get training in the field of Evolutionary Biology Research .

CONTENTS : Present days Evolutionary Biology procedures, phylogenetic analysis.

METHODOLOGY (Lectures, Demos, Hands on Session, Workshop/Seminar/Symposia etc.) : Workshop: Lectures, Demos and Hands on.

LEVEL OF PARTICIPANTS : Researchers, Scientists and Teachers.

PREREQUISITES : Masters Degree in Biological Sciences.

NUMBER OF PARTICIPANTS : Twenty

EXPECTED DATE OF ANNOUNCEMENT : One month before the scheduled date

Boarding & lodging arrangements etc.) Boarding & lodging can be provided on request
Any other relevant information, if any based on availability

REGISTRATION FEE	Without Accommodation	With Accommodation
India	RS. 750.00	Separate
SAARC	Rs. 750.00	
Other Countries	Rs. 4000.00	

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BTISnet Training/Workshop Calendar: 2008-2009

North-Eastern Hill University, Shillong

Training Code: NEHU-01

(If you are organizing more than one training course, please use separate sheets)

Title : In Silico approach to Genome Analysis

Date : September 15 – 19, 2008

Duration (in number of days) : 5 days

Subject Area (As per List enclosed) : **Genome & Proteome Analysis**

OBJECTIVES: To generate awareness and provide hands on training related to In Silico approach to Genome Analysis and comparative genomics from a bioinformatics perspective.

CONTENTS :

- Bioinformatics and its role in tree of Life
- Completed Genomes: Viruses, Bacteria and Archaea
- Eukaryotic Genomes: Fungi, Parasites to Primates
- Human Genome(Human Genome Project) and Human diseases – I
- Human Genome(Human Genome Project) and Human diseases – II

METHODOLOGY : Lectures, Demos, Hands on sessions

LEVEL OF PARTICIPANTS : Research Scholars/Scientists/Teachers in Life Sciences

PREREQUISITE : Knowledge in Basics of Computer and Molecular Biology

NUMBER OF PARTICIPANTS : 30

Boarding & lodging arrangements : Arrangements can be made subject to availability in the University Guest House on payment basis

REGISTRATION FEE (if any): Rs. 1,000.00

Participants from NER and other parts of India	With Accommodation
	As per NEHU Guest House Charges

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Training Code: NEHU-02

Title : Molecular Evolution: A Phylogenetic Approach.

Date : **December 01 – 05, 2008**

Duration (in number of days) : 5 days

Subject Area (As per List enclosed) : **Database and data mining / Bioinformatics in Environment and Biodiversity**

OBJECTIVES: To generate awareness and provide hands on training related to Molecular Evolution and Phylogeny from a Bioinformatics perspective.

CONTENTS :

- Basic concepts of molecular evolution
- Sequence Database and Homology search methods
- Recovering Evolutionary History
[*The structure and interpretation of Phylogenetic trees, Molecular Evolution and its consequences, measuring Genetic changes etc.*]
- Inferring Molecular Phylogeny (distance and character based methods)
- Models of Molecular Evolution and calculation of Evolutionary Distances
- Tree Evaluation, Assessment and Comparison of the reliability of tree features
- Application of Molecular Phylogenetics

METHODOLOGY : Lectures, Demos, Hands on session

LEVEL OF PARTICIPANTS : Research Scholars/Scientists/Teachers in Life Sciences

PREREQUISITES : Knowledge in Basics of Computer and Molecular Biology

NUMBER OF PARTICIPANTS : 30

Boarding & lodging arrangements : Arrangements can be made subject to availability in the University Guest House on payment basis

REGISTRATION FEE (if any): Rs. 1,000.00

Participants from NER and other parts of India	With Accommodation
	As per NEHU Guest House Charges

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NOMINATION FORM FOR TRAINING

Course Code : _____

Applicant's Name : _____

Designation : _____

Registration No (If allotted) : _____

Name of Organization/Department : _____

Category : _____

Official Address : _____

Telephone No. : _____

Fax No. : _____

E-mail Address : _____

Computer Related Experience : _____

Details of Experience : _____

Signature of Applicant**INSTRUCTION TO CANDIDATE**

- 1. The complete application should be sent to the Co-ordinator of the respective bioinformatics centre at least a month before commencement of the training.*
- 2. Incomplete application form and the application not submitted through proper channel are likely to be rejected.*
- 3. Please contact the co-ordinator for any requirements of course fee (if any), accommodation arrangements, etc.*