About SKUAST-JAMMU

Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu (SKUAST-Jammu) is a leading Farm University in North India with aspirations, commitment and missionary zeal to cater to the needs of society in general; and students and farming community in particular through region specific advances in education, research and extension. The University has state of the art infrastructure in the form of Faculty buildings, well equipped laboratories and research farms at Faculties of Agriculture and Basic Sciences at Chatha Campus; and Faculty of Veterinary Sciences and Animal Husbandry at R.S. Pura Campus, with headquarters located at Chatha, Jammu. Since its inception in 1999, the University has grown with rapid pace in terms of infrastructure and human resource. The University runs degree programmes at UG and PG (M.Sc. and Ph.D) levels in Agriculture, Veterinary, Biotechnology, Agribusiness and allied fields. The University pursues high standard research through research projects funded by various central and state agencies.

School of Biotechnology (SBT)

The School of Biotechnology, an integral part of SKUAST-Jammu came into existence in 2010 with the sole aim to generate quality manpower with extensive knowledge, advanced technical know-how and outstanding academic potential in the subject. The School is offering B.Sc. (Hons.), M.Sc. and Ph.D. degree programmes to aspirants. The courses have been designed to keep the students abreast with latest technological know-how. The School has highly dedicated and competent core and adjunct faculty with diverse experience. The faculty members regularly update their knowledge and skill through advanced trainings in reputed national and international institutes and through interactions with eminent guest faculty.

About training

Biotechnology is an emerging discipline and has vast potential. There has been great progress in biotechnology related research since last few decades. The outcome of biotechnology in agriculture, health, industry and environment is promising, as evident from the developed countries, which have adopted and accepted biotechnology as a tool for bio-resource improvement. The course content of the training has been framed to impart upto date knowledge and hands - on experience in the field of Biotechnology and Bioinformatics to the participants.

Course content

- DNA extraction, purification and quantification.
- PCR amplification using different molecular markers.
- Agarose gel electrophoresis and polyacrylamide gel electrophoresis (PAGE): Methods and principles.
- Development and use of single nucleotide polymorphisms (SNPs) in crop improvement.
- Introduction to basic bioinformatics tools; sequence comparison, BLAST analysis & multiple sequence alignment; generation of DNA probes and primer designing.
- Microarray technology: Basic concepts, protocols, applications and data analysis.
- Next generation sequencing (NGS) technology: Sequencing, annotation and data analysis.

Eligibility

Research Scholars/PG Students/Scientists/Teachers/Professionals from universities, government/private institutes including colleges, research institutes and private companies are eligible.

How to apply?

The interested candidates should send the dully filled application along with course fee to Coordinator, School of Biotechnology at the address given below. The application should reach on or before 25th October, 2013.

Course Fee

Research Scholars / RAs / SRFs / JRFs / PG Students	Rs. 3500/-
Scientists/ Teachers/ Government and Private Professionals	Rs. 7000/-
Abroad candidates	$500 (USD)

The course fee may be submitted in the form of Demand Draft in favour of "Coordinator, School of Biotechnology, SKUAST-Jammu, Chatha, Jammu - 180009, (J & K), India".

Number of participants

The maximum number of participants will be 25.

Accommodation

The university will provide free boarding / lodging to the participants. Travelling expenses will be borne by the trainees.

About Jammu City

Jammu-the City of temples, is famous for the holy shrine of Shri Mata Vaishno Devi ji, located in the Trikuta hills near Katra. The city is well connected with the rest of the country through rail, road and air. Apart from the holy shrine, there are other places of tourist interest in and around Jammu, viz. Patnitop, Mansar lake, Raghunath temple, Bahu Fort, Amar Mahal, Dogra Art Gallery, etc. The climate of Jammu in November is usually pleasant and the trainees are advised to carry light woolens with them.

Venue of Training

The training will be conducted at School of Biotechnology, SKUAST-Jammu Main Campus, Chatha located in Jammu. The campus is about 5 km away from Jammu airport, 10 km from bus stand and about 12 km from Railway station.

Post training tour

A tour to important places like Shri Mata Vaishno Devi ji and Patnitop may be arranged for trainees. Expenses for the tour will be borne by the trainees. Besides this, trainees will also get chance to enjoy the beauty of Jammu and may visit places of tourist interest in and around Jammu.

Address for Correspondence

Coordinator
School of Biotechnology
SKUAST-Jammu, Chatha, Jammu - 180009 (J & K), India.

School of Biotechnology,

Sher-e-Kashmir University of Agricultural Sciences & Technology, Jammu (SKUAST-J)

Short Training Course on
"Basic Techniques in Molecular Biology"
at School of Biotechnology, SKUAST-J
(November, 6-12, 2013)

Application Form

1. Full Name (in block letters)...

2. Designation:...

3. Date of birth:..

4. Sex: Male/Female:..

5. Present employer and address, if any:..

6. Correspondence address:..

    Contact no:...Email:...

7. Academic record (starting with graduation) Exam. passed, Subjects, Year of passing, University...

    ....

8. Major area of specialization:...

9. Professional experience (mention the post held since the beginning of your career starting with the latest one) (if any):...

10. Publication (no. only, if any):...

11. Do you have hands on experience of Molecular Biology techniques (if yes, please specify):

    ....

12. State how this training is going to be useful to you:...

Signature of candidate

Place:

Date:

Recommendation of the forwarding authority:

Signature of PI/ HOD/Dean/Director (if employed)

Name:

Designation:

Address