

"Hands on workshop on imparting basic practical training on molecular biology and biotechnology techniques to college students of life sciences degree program" ,19 to 21 November 2024

**ICAR-National Institute for Plant Biotechnology
(Sponsored by Society for Plant Biochemistry and Biotechnology , New Delhi (SPBB))**

About ICAR-National Institute for Plant Biotechnology (ICAR-NIPB), Delhi

The institute was founded in 1985 as the 'Biotechnology Centre' of Indian Agricultural Research Institute (IARI) for molecular biology and biotechnology research in crop plants. The prescience of the role of biotechnology in agriculture led to a bigger responsibility for this center and it was elevated as National Research Centre on Plant Biotechnology in the year 1993 (Now NIPB). ICAR-National Institute For Plant Biotechnology has been entrusted with the responsibility of developing new tools and techniques and to deliver breakthrough in biotechnology for crop improvement. NIPB is also engaged in teaching postgraduate students with regular PhD and MSc degree programs in Molecular Biology and Biotechnology and BTech Biotechnology degree program. The institute takes lead and has contributed substantially towards human resource development by developing strong inter-and intra-institutional linkages and organizing training programs, summer/winter schools sponsored by Education Division of ICAR as well as other major National funding agencies.

About the Training

In the three days hands on training students will be introduced and given the opportunity to learn basic molecular biology techniques which forms the foundation of any biotechnological research and education. After background and overview of theoretical concepts of the techniques, participants will get the first-hand experience of doing the experimental processes by themselves.

Topics that will be covered include: preparation of solutions and buffer, isolation of DNA, RNA, protein from plant and microbes, purification and quality estimation; gel electrophoresis ; PCR and basics of gene cloning ; plant and microbial culture techniques ; introduction to various advanced techniques theoretically along with their application potential, visit to various facilities in the Pusa campus

<u>Participation and Eligibility</u>	<u>Logistics Details</u>	<u>Organizing Committee</u>
<p>Eligibility: Participants pursuing B.Sc. Botany/ Zoology/Life sciences or BTech Biotechnology/related disciplines from Govt. approved Central and State Universities and currently in IIIrd or IV year are eligible to apply.</p> <p>How to Apply: The registration form should be filled in by the applicant along with all the necessary documents. Participants must submit a valid identity card issued by their college/institution. ‘No Objection Certification (NOC)’ from the Head of the Department/Principal with application and which must be produced in original in the event of selection for the training program.</p> <p>Number of participants: 25 (Twenty Five)</p> <p>Selection criteria: Based on the application and merit</p>	<p>Travel, Accommodation and Food: It is an in person course. All the selected students will be provided with lunch and tea for the entire training duration. No travel expenses and accommodation will be provided.</p> <p>Venue Details: ICAR-National Institute for Plant Biotechnology (ICAR-NIPB, Delhi), LBS Building, Pusa Campus, New Delhi, Delhi, India – 110012.</p> <p>Mode: The mode of the workshop is offline (Physical) mode.</p> <p>Registration Fee: There is no registration fee for the workshop</p> <p>Timings: 10 AM to 5PM</p>	<p>Patron: Dr R. C. Bhattacharya (Director)</p> <p>Course Organizer Dr Sharmistha Barthakur (Principal Scientist, ICAR-NIPB, New Delhi)</p> <p>Course Co-Organizer Dr. Nimmy M.S. (Senior Scientist, ICAR-NIPB, New Delhi)</p> <p>For application form and details, please see www.nipb.icar.gov.in</p>
<p>Important Dates Application submission : Last date: 31.10.2024 Intimation of the selection: 07.11.2024. (to the selected candidates) Training date:19th to 21st November, 2024 (03Days) FOR APPLICATION FORM AND DETAILS, PLEASE SEE www.nipb.icar.gov.in</p>		<p>Contact details: Organizing Team Tel: +91-9871355070; +91-7289845880 (Whatsapp) +91-11-25841787 (ext. 280, 223) Sharmistha.Barthakur@icar.gov.in nimmy.biotech@gmail.com www.nipb.icar.gov.in</p>

Certificates will be provided to all participants on successful completion

ICAR-NATIONAL INSTITUTE FOR PLANT BIOTECHNOLOGY
Lal Bahadur Shastri Building, Pusa Campus, New Delhi-110012

Application form for student training under SPBB sponsored “Hands on workshop on imparting basic practical training on molecular biology and biotechnology techniques to college students of life sciences degree program”

1. Name of the applicant : **Passport Photo**
2. Email :
3. Mobile No. :
4. Address for correspondence:
5. Date of Birth :
6. Name and Location of the College/Institution /University currently enrolled at:
7. ID Card No. /Roll no issued by College/Institute/University:
8. Educational Qualifications:
(10th till now with grades and marks scored, Board/ University, Year Major Subject(s) in tabular form)
9. Any prior hands-on experience or research-oriented training in Biotechnology/ Bioinformatics specify:
10. A short note on reason for your interest to join this workshop (~100 words):
11. Short Note (~100 words), on how this internship may be useful in your career goals:
12. List any significant extra- curricular achievements/ hobbies:
13. Any additional, information:

Attach scanned copy of following documents:

1. Valid University ID card with photo, Proof of current enrolment, a photo ID
2. High School (Xth), Intermediate (XIIth), Bachelor’s Ist year, IInd ,IIIrd, IVth Year as appropriate , marks-sheet/ transcript and last available Grade sheet(s)/ CGPA score of current academic enrolment. Pass certificates.

Declaration by Applicant:

I, _____ hereby, declare that all statements made in the application are true/ correct to the best of my knowledge and belief. In the event of any information being found false or incorrect, my application may be cancelled without any notice.

Date:

Place:

Signature

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Format for No Objection Certificate (NOC)

***NOC to be obtained from the Head of the Department / Principal of the parent institution of the applicant**

No Objection Certificate

It is certified that Miss/Ms/ Mr /-----, Roll no-----, -----semester, ----- year is a student in our college/institution/university undergoing the degree program ----- She/he maybe allowed to attend the SPBB sponsored training “ Hands on workshop on imparting basic practical training on molecular biology and biotechnology techniques to college students of life sciences degree program”, for 3 days as per guidelines of SPBB and ICAR-NIPB. Institute does not have any objection to their attending the said program.

Head of the Department/Institute:
Name and designation:

(Signature with date, Seal)

Kindly, merge the completed application form and supporting documents as single pdf file (of appropriate disk size) and mail it as an attachment to:

Sharmistha.Barthakur@icar.gov.in
nimmy.biotech@gmail.com

Note: the scanned copies of documents should be clear and readable

