



icmr
INDIAN COUNCIL OF
MEDICAL RESEARCH

NIREH
NATIONAL INSTITUTE FOR RESEARCH
IN ENVIRONMENTAL HEALTH

Summer Training Programme in Environmental Biotechnology (June 13 - 28, 2019)

The Summer Training Programme in Environmental Biotechnology is two weeks long hands-on training course offered by the ICMR-National Institute for Research in Environmental Health (ICMR-NIREH), Bhopal. Participants of this programme will experience the excitement of working in a unique academic ambience apt for cutting-edge scientific discourse. During this programme greater emphasis will be laid on the fundamental wet-lab tools and techniques relevant to environmental biotechnology.

Course Content: Basic techniques pertaining to cell biology, molecular immunology, genetics and epigenetics shall be covered.

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|---------------------------------------|-----------------------------------|
| 1) Isolation of DNA, RNA and Proteins | 11) Flow Cytometry |
| 2) Conventional PCR | 12) FACS-Cell Signaling Assays |
| 3) Hot-start PCR | 13) Immunophenotyping |
| 4) Reverse Transcriptase PCR | 14) Cytometric Bead Array Assay |
| 5) Real Time PCR | 15) Histone Methylation Array |
| 6) Methylation Specific PCR | 16) Primary Cell Culture |
| 7) mt-DNA Mutation Analysis | 17) ELISA |
| 8) Micro-RNA Profiling | 18) Chromosomal Aberration Assay |
| 9) Multiplex Gene Expression Array | 19) G-banding & Micronuclei Assay |
| 10) SDS-PAGE & Western Blot Analysis | 20) Colony Forming Assays |

Eligibility: Students pursuing post-graduate courses in biological sciences, pharmaceutical sciences and medical sciences are encouraged to apply.

Seats: Only 20 students will be admitted to the course.

Application Procedure: Application in the prescribed format available at ICMR-NIREH website must reach us through e-mail at academics.nireh@gmail.com on or before **15 May, 2019**.

Selection: Procedure of screening and selection will be based upon academic credentials only. The list of selected candidates will be posted at institute's website on **21 May, 2019**.

Fees: Registration fee of the course is **Rs. 5000/=** only. No lodging/boarding shall be provided and the participants shall have to make their own arrangements for the same.

(Director)
ICMR-NIREH, Bhopal



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APPLICATION FORM

Name:

Age/Sex:

Academic Qualifications:

S. No.	Degree/Exam.	Board/College/University	Year	Division	% Obtained/CGPA
01	HSC (Xth)				
02	HSSC (10+2)				
03	B.Sc/B.Pharm/ B.Tech/MBBS				
04	M.Sc/M.Pharm M.Tech/MS/MD				

Address for Correspondence:

E-mail id:

Mobile No.:

(Signature of the Candidate)

Date:

Further information/enquiries, please contact:

Course Coordinator

Department of Molecular Biology

ICMR-National Institute for Research in Environmental Health (ICMR-NIREH)

Kamla Nehru Hospital Building, Gandhi Medical College Campus

Bhopal - 462 001 (MP)

e-mail: academics.nireh@gmail.com