



ICMR - National Institute for Research in Environmental Health
Bhopal Bypass Road, Bhauri, Bhopal - 462 030 (MP), India

Summer Training Programme in Environmental Epigenetics
(July 5 - 17, 2021)

The Summer Training Programme in Environmental Epigenetics is a 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 epigenetics.

Course Content: Basic and advanced techniques pertaining to the field of environmental epigenetics shall be covered.

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| 1) Isolation of DNA, RNA & Proteins | 10) Methylation-Specific PCR |
| 2) PCR and Reverse Transcriptase PCR | 11) Histone Methylation Arrays |
| 3) Agarose Gel Electrophoresis | 12) MicroRNA Characterization |
| 4) Real Time PCR | 13) lncRNA Isolation & Identification |
| 5) Multiplex RT-RT PCR | 14) RNA Methylation Analysis |
| 6) SDS-PAGE & Western Blot Analysis | 15) mtDNA Methylation Analysis |
| 7) Double Sandwich ELISA | 16) Isolation & Culture of Peripheral Immune Cells |
| 8) Isolation & Characterization of Mitochondrial (mt) DNA and mtDNA Mutation Analysis | 17) Immune-Subset Enumeration |
| 9) Mitochondrial Integrated Stress Response Analysis | 18) Isolation and Characterization of Circulating Epigenomic Signatures and Point-of-Care Detection Assays |

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

Seats: Only **10 (ten)** students will be admitted to the course.

Application Procedure: Applications on plain paper (specifying e-mail id and mobile contact number) along with self-attested copies of mark-sheets and certificates must reach to the “**Course Coordinator, ICMR - National Institute for Research in Environmental Health, Bhopal Bypass Road, Bhauri, Bhopal - 462 030 (MP), India**” on or before **21 June, 2021**.

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 **24 June, 2021**.

Fees: Registration fee of the course is **Rs. 10000/=** only. No lodging/boarding shall be provided and the participants shall have to make their own arrangements for the same.

For Application, kindly use the prescribed format and send through Speed Post only

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Application Form

Name:

Age/Sex:

Academic Qualifications (attach self-attested copies of mark sheets/certificates):

S. No.	Name of Exam.	Board/College/Univ.	Year	Division	% Obtained / CGPA
01	HSC (Xth)				
02	HSSC (10+2)				
03	B Sc/B Tech/ B Pharm (UG)				
04	M Sc/M Tech/ M Pharm (PG)				

Address for Correspondence:

E-mail id:

Mobile No.:

Signature of the Candidate:

Date:

Place:

Completed application with supporting documents should reach by June 21, 2021 to:

Course Coordinator

Summer Training Programme in Environmental Epigenetics
ICMR-National Institute for Research in Environmental Health (ICMR-NIREH)
Bhopal Bypass Road, Bhauri
Bhopal - 462 030 (MP), India

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