

Applications are Invited for Department of Health Research (Government of India) sponsored WORKSHOP on “Techniques in Modern Biology (TMB)” with focus on host-pathogen interaction.

Venue: Jamia Hamdard – Institute of Molecular Medicine, Jamia Hamdard, New Delhi, 110062.

Training Dates: November 18th, 2019 – December 14th, 2019

Training Duration: 4 weeks.

Application Deadline: September 30th, 2019

List of Selected candidates to be announced by: October 15th, 2019.

About TMB Workshop: This training programme is aimed at bridging a major gap in medical science education that exists between biomedical research and traditional patient care in India.

This training programme is an effort to invite trainees from diverse background in Health research and services that include Physicians, Clinical researchers, personnel from Pharma and Biomedical sciences and expose them to the cutting-edge techniques in modern biomedical research.

This will enable the trainees to play a major participatory role in diagnosis, prognosis and expediting a laboratory discovery to hospital bedside.

Course Content: The 4-week course is designed to equip trainees with hands-on skills to conduct research on infection-induced pathogenesis which addresses not only the detection and diagnosis of the pathogen but also to evaluate its impact on the host biology and intervention.

Course highlights:

- ✓ Principles and management of infectious diseases.
- ✓ Diagnostic techniques – Culture methods, ELISA, Western Blot and q-PCR.
- ✓ Microscopy based detection techniques - Florescent and live-cell imaging
- ✓ Host cell biology – Immunocytochemistry technique and FACS analysis
- ✓ Concepts of drug discovery – Protein modelling and docking methods.
- ✓ Drug delivery concepts – Nano formulation preparation and processing.

Eligibility: Any candidate with MBBS degree or PhD (completed/pursuing) in any branch of Life Science / Medical Sciences is eligible to apply. Faculty members working in the above-mentioned areas are also encouraged to apply.

Selection Criteria: Good academic background and statement of purpose will be the basis for selection.

Age Limit: None, however, preference will be given to those between the age 25-45 years.

Course Fee: None. There is no fee. The course is sponsored by Department of Health Research, Ministry of Health and Family Welfare, Government of India.

Please Note: No TA/DA will be provided to the participants. Limited Hostel facilities will be available for the selected outstation Trainees only. The trainees will be provided with Lunch and tea in the morning and afternoon during the workshop.

Application Procedure: Applicants are required to fill and submit the attached application form by email at the following email address: **jhimm_training@jamiahamdard.ac.in**

Application Form (Template):

1. Name of the Candidate:

2. Current address:

3. Email:

4. Mobile:

5. Academic qualification (Starting from undergraduate degree):

Name of the exam	College/Institute/Univ	Subject	% Marks/GPA	Year of Passing
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6. Laboratory related Work Experience (if any):

7. How did you hear about this Training Programme?

8. Do you need hostel accommodation, if selected?

9. If selected, will you be able to dedicate 4-weeks away from your work place or current involvement (supporting 'No Objection' from supervisor/Institution/Department, if available)?

10. How this training, coupled with your educational background or prior experience, will help you to achieve your career goal (Not more than 250 words)?