

DEPARTMENT OF MICROBIOLOGY

POST GRADUATE INSTITUTE OF CHILD HEALTH

Sector -30 Noida -201303

Phone/fax:-0120-2455561, website: www.ssphgtnoida.com

Short term Observership in Medical Microbiology

1. **AIM:** This program aims to provide exposure to candidates on various aspects of Medical Microbiology
2. **Eligibility:** Candidates who have completed either of the following courses:
Diploma (DMLT)/ Bachelors(BMLT/ BMM/ Biotechnology) /MSc.(Microbiology/Biotechnology/related fields),
 - MBBS
 - Graduation (BSc general/ Biology/ related field)
 - Post graduation in MD Microbiology/ DNB Microbiology
3. **Duration – 4 weeks/6 weeks/ 8 weeks**
4. **Course fees:** RS 1000/- for observership ≤4 weeks, RS 2000/- for observership >4 weeks.
5. No stipend will be paid to the candidate
6. **Procedure –** Candidates desirous to apply for observership shall be required to submit/email his/her bio-data to the office of the dean.
7. **Dates of the observership-** should be mutually agreed upon by the candidate and department.
8. **Accommodation-** as per institute rules
9. Observership will be certified at the end of program

Curriculum for observership program-

1. **Bacteriology:** Consists of Media preparation, Bacteriology lab including microscopy, manual and automated culture by BactT alert with VITEK 2 for accurate identification of bacteria and AST testing. WHONET software system for report entry.
2. **Serology and Immunology:** All serological & immunological tests including ICT, ELISA technique.
3. **Virology:** Testing with Evolis™ twin plus system, Vidas® and ELIFA technique.
4. **Mycology:** KOH mount, Fungal Culture, slide culture and LPCB mount preparation & microscopy.
5. **Parasitology:** stool microscopy, Detection of malarial parasite by microscopy and rapid malarial antigen kit.
6. **TB lab:** Detection of MTB by ZN & Fluorescent microscopy, Liquid culture & TrueNat® machine with Rifampicin sensitivity.
7. **Molecular Diagnostics:** RT-PCR for Covid 19 and TRUENAT® for Covid-19 & detection.
8. **Infection Control:** Central Sterile Supply Department can be visited during the observership programme. The hospital has a good infection control programme in which the Microbiology Department takes an active role.

Observers can see how such a programme is used to successfully diagnose and prevent various infectious diseases and Health Care Associated Infections. in a super specialty care setting.

The observer will have the opportunity to attend departmental seminars, journal clubs & lectures/ group discussions.

Duration-4 weeks

Observer will be posted to various sections of microbiology.

Duration-6 – 8 weeks

Observer will have additional opportunity to learn about quality control along with maintenance and operation of automated system like Evolis, Vidas® and BacT/Alert etc.

Faculty

1. Dr. Naz Perween
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2. Dr. Sumi Nandwani
Prof. & HOD Microbiology
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Account Details Payment For Fees.

Account Name : PGICH-ACADEMIC ACCOUNT
Account Number : 179621010000039
IFSC Code : UBIN0917966
Bank : Union Bank of India, Sector -18 Noida
Account Type : Current Account

