

DEPARTMENT OF MICROBIOLOGY

POST GRADUATE INSTITUTE OF CHILD HEALTH

Sector -30 Noida -201303

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

Internship/Training program in Medical Microbiology

1. **AIM:** This program aims to provide extensive training 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),
 - Graduation: (MBBS/ BSc general/ Biology/ related field)
 - Post graduation in MD Microbiology/ DNB Microbiology
3. **Duration** – 01 month, 01-03 month, 03-06 month, 06months to 01year
4. **Course fees:-**
 - a. For students from Government colleges, institutes and universities, the charges for the training shall be
 - i. Up to 03 months: Rs 3000/-
 - ii. More than 03month and not exceeding 06 months: Rs 5000/-
 - iii. 06month – 01year: Rs 10,000/-
 - b. For students from Private colleges, institutes and universities, and self sponsored candidates the charges for the training shall be
 1. 01 months: Rs 5000/-
 2. 03 months: Rs 10,000/-
 3. 03 – 06 months: Rs 15,000/-
 4. 06month – 01year: Rs 25,000/-
5. No stipend will be paid to the candidate
6. **Procedure:** Application from the candidates sponsored by concerned university/ institutes along with their CV, addressed to Director/Dean, PGICH, will be considered by the institute. Final approval will be from the Director, PGICH, based on recommendation from the concerned HOD PGICH for their training and starting dates. Thereafter, the Executive registrar, PGICH, shall convey to the candidates the terms and condition, of the Internship/ Training.
7. **Dates of the Internship/Training** - should be mutually agreed upon by the candidate and department.
8. **Accommodation-** as per Institute rules
9. **Completion** - At the end of the training when concerned Head of the Department certifies for satisfactory performance, a letter will be issued by the Executive registrar, PGICH to the sponsoring authority/candidate certifying successful completion of training.

Curriculum for Internship/Training program -

Program Outline: The candidates will be undergoing various hands on training in all laboratory sections for Microbiology including Bacteriology, TB, Mycology, Virology, Serology, Immunology, Parasitology & Molecular Biology :-

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 technique.
- 4. Mycology:** KOH mount, Fungal Culture, slide culture and LPCB mount preparation & microscopy.
- 5. Parasitology:** Stool microscopy, Detection of malaria 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, PCR and TRUENAT® for Covid-19 & detection of other infectious organisms
- 8. Infection Control:** Central Sterile Supply Department can be visited during the Internship/Training programme. The hospital has a good infection control programme in which the Microbiology Department takes an active role.

Trainees can see how such a programme is used to successfully diagnose and prevent various infectious diseases in a super specialty care setting.

The trainees will have the opportunity to attend departmental Seminars, Journal clubs & Lectures/ group discussions.

Faculty

- 1.** Dr. Naz Perween
Assoc. Prof. Microbiology
Ph-7065058146 (whatsapp only)
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- 2.** Dr. Sumi Nandwani
Prof. & HOD Microbiology
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Department E-mail ID: pgichmicrobiology@gmail.com

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