

## A Brief Program Description

### University of Minnesota Adult Infectious Diseases Fellowship Program

#### Goal:

To provide excellent training in the practice and science of Infectious Diseases and to prepare trainees for a successful career in academic Infectious Diseases

#### Basic Structure:

##### Clinical training:

- 1 month orientation/ambulatory clinical experience
- 1 month clinical microbiology
- 2 months inpatient ID consultations on the University of Minnesota Medical Center General ID Service
- 2 months inpatient ID consultations on the University of Minnesota Medical Center Transplant ID Service
- 3 months inpatient ID consultations on the Hennepin County Medical Center General ID Service
- 3 months inpatient ID consultations on the Minneapolis VA Medical Center General ID Service
- Opportunities for additional elective rotations

##### Research training:

- Clinician-Scholar Track: for fellows who seek to become educators, scholars, and/or academically based clinicians (2 year fellowship).
  - 6-12 months of research training
- Academic Research Track: For fellows who have demonstrated an interest and aptitude for research, and who desire a research-focused academic career (3 year fellowship)
  - 2-3 years research training

##### Continuity Clinic

- Positive Care Clinic at the Hennepin County Medical Center
  - HIV Clinic
- Delaware Street Clinic at the University of Minnesota
  - Mixed HIV and General ID Clinic

##### Combined Med-Peds program

- 2 years of clinical training
- 2 years of research training

**Number of fellows:**

- 2-3/year (usually 2 Academic Research Track, 1 Clinician-Scholar Track per year)
- 7-9 total (over 3 years)

**Number of Faculty in the Division of Infectious Diseases:**

- 41 MDs
- 1 MD/PhD
- 3 PhDs
- 14 Adjunct Faculty

**Training sites:**

Hospitals:

- University of Minnesota Medical Center (University Hospital)
- Hennepin County Medical Center (County Hospital)
- VA Medical Center (VA Hospital)
- Abbott Northwestern Hospital (Private Hospital)

Continuity Clinics

- Delaware Street Clinic (University General ID Clinic)
- Positive Care Center (County-based HIV Clinic)

Additional Ambulatory Clinics

- Hennepin County Public Health Clinic (Refugee screening, Tuberculosis Clinic)
- Hennepin County Public Health Clinic-Red Door Services (STI Clinic)
- Health Partners ID Clinic (Private General ID Clinic)
- Positive Care Center (HIV/HCV Co-infection Clinic)
- HealthPartners Center for International Health (Immigrant and Travel Medicine Clinic)
- VA Medical Center ID Clinic (General ID Clinic)
- Clinic 42 (Private HIV Clinic)

**International Medicine opportunities:**

- Research projects available in Africa, Asia, Europe and Latin America
- HIV, TB, and other ID issues in immigrants and travelers (clinical and research)

- HealthPartners Center for International Health (Regions Medical Center)
- Travel and Tropical Medicine Seminars
- Global Health course; preparation for Certificate of Knowledge in Clinical Tropical Medicine and Travelers Health in Tropical Medicine and Hygiene

**Financial support:**

Clinical training:

- 3-4 fellows/year funded by Graduate Medical Education funds

Research training:

- 4 fellows/year by NIH-sponsored T32 training grant

**Research training opportunities:**

- Focused, hands on, and specific research training as part of the fellows research project provided by the primary mentor(s)
- Coursework towards a Masters of Public Health (MPH) or Masters in Clinical Research via the University of Minnesota School of Public Health
- Coursework towards American Society of Tropical Medicine and Hygiene (ASTMH) Certificate of Knowledge in Clinical Tropical Medicine and Travelers Health
- Several Grant Writing Courses
- Specific Post-Doc Coursework provided by the University of Minnesota Department of Medicine
- Scholarship Oversight Committee to review progress semiannually

**Local Affiliates:**

- University of Minnesota Medical School
- University of Minnesota Internal Medicine Residency Program
- Hennepin County Medical Center Internal Medicine Residency Program
- University of Minnesota Pediatric Infectious Diseases Fellowship Program
- University of Minnesota School of Public Health
- University of Minnesota Center for Infectious Disease Research and Policy
- University of Minnesota Department of Microbiology
- University of Minnesota College of Veterinary Medicine
- University of Minnesota Center for Infectious Diseases and Microbiology Translational Research
- University of Minnesota Institute for Molecular Virology
- University of Minnesota Department of Medicine Global Health Course
- University of Minnesota Department of Food Science and Nutrition

- Minnesota Department of Health

## Global Affiliates:

### Africa

- Tanzania: Selian Luthran Hospital, Arusha
- Uganda: Mulago Hospital, Makerere University, Kampala

### Asia

- China - The University of Hong Kong Faculty of Medicine, Hong Kong
- China - Chongqing Medical University, Chongqing
- India - St. John's Medical College, Bangalore
- India - Manipal Education and Medical Group, Bangalore
- Israel - Poriya Hospital, Tiberias
- Japan - Niigata University Medical School, Niigata
- Korea - Seoul National University (SNU) College of Medicine, Seoul
- Nepal - Koirala Institute of Health Sciences, Dharan
- Taiwan - Chung Shan Medical University, Taichung City
- Thailand – Chiang Mai University, Chiang Mai

### Europe

- Austria - Medical University of Graz, Graz
- Ireland - The National University of Ireland, Galway
- Norway - University of Oslo, Oslo
- Norway - University of Bergen, Bergen
- Norway - Norwegian University of Science & Technology, Trondheim
- Sweden - Karolinska Institute, Stockholm
- Sweden - University of Uppsala, Uppsala
- Sweden - University of Göteborg, Göteborg
- Sweden - University of Linköping, Linköping

### Latin America

- Costa Rica - Universidad de Ciencias Medicas, San Jose
- Ecuador - The Fundación Cimas de Ecuador, Quito
- Peru - Universidad de San Martin de Porres, Lima

- Peru - The National University of San Antonio Abad del Cusco, Cusco
- Peru - Hospital Regional del Cusco, Cusco

**Available Conferences and Lecture Series:**

- Inter-City ID Case Conference (weekly)
- University of Minnesota Medical School Grand Rounds (weekly)
- Fellows Core ID Lectures Fellows (twice monthly)
- Fellows Journal Club (twice Monthly)
- ID/Micro Research Conference (twice monthly)
- HIV fellows' forum (bimonthly-quarterly)
- Infection Control Committee Meetings (monthly)
- Tropical and Travel Medicine Seminars (monthly)
- Twin Cities AIDS Clinicians and Quarterly Case Discussions (HIV) meetings (quarterly)
- Antimicrobial Subcommittee Meetings (quarterly)
- ID Corridor Symposium (annual)
- The Spink and Wannamaker Lecture Series (annual)
- Midwest ID Fellows Forum (annual; includes Mayo & Univ. of Wisconsin programs)
- Fellows' Research Retreat (annual)
- Emerging Infections Conference (annual)
- Infectious Diseases Society of America (annual)
- Winter Course in Infectious Diseases (annual)
- Annual Fellows Course in Hospital Epidemiology and Infection Control (annual)

**Distinctive characteristics of program:**

- Flexible schedule
- Large & diverse immigrant populations (African, S.E. Asian, Hispanic)
- Extensive solid organ and stem cell transplant & hematology/oncology ID exposure
- Diverse practice settings & patient populations at 4 hospitals + multiple clinics
- Several active HIV clinical & research programs
- Pediatric ID experience & affiliation with Pediatric ID program
- Option of combined Med-Peds fellowship (4 yrs; in conjunction with Pediatric ID program)
- Option of Clinical Microbiology fellowship at the Hennepin County Medical Center (1 year fellowship)
- Infection Control Committee, Antimicrobial Subcommittee participation
- NIH T32 training grant, "Infectious Diseases Training in Clinical Investigation"
- Scholarship Oversight Committee provides semiannual assessments and feedback to fellows

**Application process:**

- Through ERAS ([www.aamc.org/students/eras/start.htm](http://www.aamc.org/students/eras/start.htm))
- Applications received and reviewed each August-October

- Interviews each September-October
- National Resident Matching Program (NRMP) ([www.nrmp.org](http://www.nrmp.org)) “match day” each December
- Fellowship starts in July of subsequent calendar year

**Prerequisites:**

- Completion of ACGME-accredited Medicine or Med-Peds residency program prior to fellowship
- Research/academic interest and potential
- Research experience desirable (not required)
- Demonstrated clinical excellence
- For Academic Research Track (NIH T32 training grant), must be U.S. citizen or permanent resident
- For Clinician-Scholar Track, J-1 visa holders also eligible (**H-1 visa discouraged**)

**Contact:**

- Infectious Diseases Fellowship Coordinator: Pam Coppa ([copp0008@umn.edu](mailto:copp0008@umn.edu))
- phone: 612-626-9943
- fax: 612-625-4410

**Additional information/ Websites:**

- [UMN Infectious Diseases and International Medicine Division](#)
- [UMN HIV Research](#)
- [UMN Department of Medicine](#)
- [UMN Pediatric Infectious Diseases Division](#)
- [UMN Center for Infectious Diseases and Microbiology Translational Research \(CIDMTR\)](#)
- [UMN Center for Infectious Disease Research and Policy \(CIDRAP\)](#)
- [UMN Institute for Molecular Virology](#)
- [UMN College of Veterinary Medicine](#)
- [Travel and Tropical Medicine Seminar](#)
- [UMN Global Health Course](#)
- [Minnesota Department of Health](#)
- [Infectious Diseases Society of America](#)
- [Electronic Residency Application Service \(ERAS\)](#)
- [National Resident Matching Program \(NRMP\)](#)