

## **Medical Laboratory Immunology Programs:**

### **Rosalind Franklin University of Medicine and Science**

Chicago Area Clinical Immunology Training Program

North Chicago, IL

Program Director: [Kenneth Beaman](#)

The training provides the fellow a unique opportunity to learn the skills, knowledge and experience necessary to become a successful medical laboratory immunologist from 3 different perspectives. The training program involves a series of rotations through the various laboratory sections at the Clinical Immunology Laboratory of the Rosalind Franklin University of Medicine and Science, Department of Pathology, Evanston Hospital and Children's Memorial Hospital, Department of Medicine, Clinical Immunology Laboratory. In addition to the rotations through the particular laboratories, courses in Laboratory Administration and Clinical Medicine will be included. More information can be found on the [program website](#).

### **University of North Carolina Hospitals, Immunology**

Immunology, Histocompatibility and Immunogenetics Laboratories

UNC Hospitals, Chapel Hill, NC

Program Director: [John Schmitz](#)

The University of North Carolina Hospital's program has recently been revised to a 3-year fellowship to prepare trainees in the field of laboratory immunology and clinical histocompatibility testing. Fellows receive training in all sections of the Clinical Immunology Laboratories (Infectious Disease, Autoimmune Disease and Allergy Testing, Flow Cytometry and Molecular Immunology). In addition, fellows now receive training in Clinical Histocompatibility testing (HLA typing and antibody testing in support of solid organ and bone marrow transplant programs). Frequent interaction with physicians during rounds, clinical conferences and consultations contributes extensively to the in depth of training provided. Fellows also receive laboratory management training and have the opportunity to participate in clinical and translational research with infectious disease, transplant and pathology faculty. More information can be found on the [program website](#).

Note: CPEP accreditation is limited to the two years of immunology training and does not cover clinical histocompatibility testing.

### **University of Utah School of Medicine, Immunology**

Department of Pathology

Salt Lake City, UT

Program Director: Eszter Lazar-Molnar

Direct inquiries to [Mishka Foster](#)

The University of Utah program offers a comprehensive, academically-oriented fellowship training program in clinical (medical laboratory) immunology accredited by the American

Society for Microbiology Subcommittee on Postgraduate Educational Programs (CPEP). This program also lays emphasis in the major areas of clinical and diagnostic immunology services, such as test utilization and interpretation, laboratory administration, teaching and research. The clinical facilities of the Laboratory of Immunology at ARUP Laboratories include Protein, Allergy, Autoimmune Disease Serology, Microbial Serology, Cellular and Innate, Flow Cytometry and Hepatitis and Retrovirus Serology sections. The training in Public Health Serology at the Utah Department of Public Health (UDPH) combined with a fellow rotation through clinical laboratories at ARUP Laboratories and the Histocompatibility and Immunogenetic Laboratory at the University of Utah will provide considerable expertise to our fellows. Fellows also have the opportunity to participate in state-of-the-art clinical and translational research with infectious disease, rheumatology, transplant and pathology faculty onsite. The program will offer 2 tracks: a 2-year fellowship in clinical immunology training and a 3-year fellowship in clinical immunology with emphasis on histocompatibility and immunogenetics testing in the last two years of training. More information, including application requirements can be found on the [program website](#) .

Note: CPEP accreditation is limited to the 2 years of immunology training.

### Program Timelines

| <b>Program</b>                                       | <b># of fellows /year</b>    | <b>App. review begins</b> | <b>App. deadline</b> | <b>Interviews &amp; offers</b> | <b>Start date</b>      | <b>Funding</b>                                       |
|--|------------------------------|---------------------------|----------------------|--------------------------------|------------------------|--|
| Rosalind Franklin University of Medicine and Science | 1                            | Jan. 1                    | Dec. 31              | Jan. – Feb.                    | July - Sept. each year | Fellows are NOT required to bring their own funding. |
| University of North Carolina Hospitals, Immunology   | 1 every 3rd year             | June 1, 2021              | Oct. 1, 2021         | Nov. - Dec. 2021               | July 1, 2022           | Fellows are NOT required to bring their own funding. |
|  |                              | Aug. 1, 2024              | Oct. 1, 2024         | Nov. - Dec. 2024               | July 1, 2025           |  |
| University of Utah School of Medicine, Immunology    | 2 every 3 <sup>rd</sup> year | June 1                    | Nov. 30              | Feb. 1 – Mar. 30               | July 1                 | Fellows are NOT required to bring their own funding. |

## **Medical and Public Health Laboratory Microbiology Programs:**

### **Baylor College of Medicine and Texas Children's Hospital**

Department of Pathology

Houston, TX

Program Director: [Jim Dunn](#)

The Department of Pathology at Texas Children's Hospital, academically affiliated with the Baylor College of Medicine, offers a comprehensive 2-year postdoctoral training program to provide fellows with extensive working knowledge in the areas of bacteriology, virology, mycology, mycobacteriology, parasitology, infectious disease serology and molecular microbiology that will enable them to interpret microbiologic data and other relevant information to effectively communicate and collaborate in the diagnosis, management and treatment of patients with infectious diseases and provide solutions to infection control and epidemiologic investigations. Fellows will also actively participate in the design and conduct of microbiological research relevant to medical and public health issues in infectious diseases. Trainees will have the opportunity to rotate through several laboratories in the Texas Medical Center including those at Texas Children's Hospital, Ben Taub General Hospital, Houston Methodist Hospital and the Houston Department of Health and Human Services. Qualified applicants must have a Ph.D., M.D. or other doctoral degree (e.g. Dr.P.H., D.Sc., D.O., D.V.M.) with training in microbiology, molecular biology or a related discipline. The program reviews applications from July 1 through August 31, for positions that will begin the following year.

### **Beth Israel Deaconess Medical Center**

Department of Pathology

Boston, MA

Program Director: [James Kirby](#)

The goal of the program is to train fellows to assume leadership roles in academic, tertiary care and public health microbiology laboratories. Philosophically we believe that this education is best accomplished through hands-on instruction in microbiological methods, direct participation in the consultative and administrative activities of the microbiology laboratory and participation in activities of the infectious diseases, pharmacy and infection control/hospital epidemiology departments. Fellows will also rotate at Children's Hospital Boston and the Massachusetts State Laboratory to gain a comprehensive education experience that includes adult, pediatric and public health microbiology. Only U.S. citizens, U.S. permanent residents or Canadian citizens are eligible to apply. The program reviews applications each year beginning in July for positions that will begin in July of the following year.

### **Children's Hospital Los Angeles**

Department of Pathology and Laboratory Medicine  
Los Angeles, CA  
Program Director: [Jennifer Dien Bard](#)

The Department of Pathology and Laboratory Medicine at Children's Hospital Los Angeles (CHLA), affiliated with University of Southern California (USC), offers a 2-year Medical Microbiology and Public Health Fellowship. The program offers training in all areas of microbiology to ensure the acquisition of skills and knowledge required to successfully direct a clinical or public health microbiology laboratory. The fellowship offers comprehensive training in all fundamental laboratory aspects of diagnostic microbiology, clinical consultation related to laboratory and infectious diseases, infection control and prevention and laboratory management/administration. Didactic lectures, attendance of infectious disease rounds and conferences will further develop the fellow's skill set. Research opportunities specific to clinical and translational studies in all specialty areas are available. Collaborative laboratory and Infectious Disease training will be held at CHLA and Los Angeles County + USC Medical Center, to ensure extensive exposure to diverse pediatric and adult patient population. In addition, fellows will also receive laboratory training at the Los Angeles County Department of Public Health. CHLA offers 1-2 positions each year starting in July. Applicants must have a doctoral degree in microbiology or related discipline, ideally within 5 years of enrollment in the program. The State of California requires that all foreign-educated, doctoral-level scientists (M.D.s and/or Ph.D.s) must have all transcripts authenticated. World Education Services Inc (WES) is recommended. The program reviews applications each year from July 1 through August 1, for a position that will begin July 1, the following year. More information, including application requirements can be found on the [program website](#).

### **Hennepin County Medical Center**

Department of Pathology & Laboratory Medicine  
Minneapolis, MN  
Program Director: [Glen Hansen](#)

The Department of Pathology & Laboratory Medicine at Hennepin County Medical Center, Minneapolis, MN, offers a two-year post-doctoral training program in medical and public health microbiology. The fellowship provides an emphasis on clinical and laboratory skills in a collaborative environment where education takes top priority. Fellows take a hands-on role, developing exceptional skills, learning the latest technology and procedures from dedicated faculty, and working directly with a diverse patient population in one of the region's largest and busiest healthcare systems. The program offers dedicated training in all aspects of clinical microbiology including, bacteriology, virology, mycobacteriology, mycology, serology, molecular diagnostics, laboratory administration, parasitology, and clinical and applied research in one Minnesota's strongest public teaching hospitals. Training is based at Hennepin County Medical Center, a 490 bed, a tertiary care, Level-1 trauma center in downtown Minneapolis, two affiliated hospitals: Regions Medical Center/Health Partners, and the Children's Hospital of Minnesota (a pediatric tertiary care facility), as well as the Minnesota Department of Health. The fellowship will prepare qualified candidates for a career in laboratory medicine, and further

enable them in the knowledge needed to perform, interpret, and advise microbiology data and testing in clinically relevant context. Fellows will learn to effectively communicate and collaborate in the diagnosis, testing, management, and treatment of patients with infectious diseases. Fellows will work closely with the University of Minnesota Infectious Disease T-32 NIH fellowship including didactic lectures, case conference, and microbiology rounds throughout the fellowship. Applied, clinical or basic science research is a requirement of the fellowship. Ideal candidates will have previous experience working within a diagnostic laboratory setting, and/or a strong research background in clinical or medical microbiology with a desire to pursue future roles in hospital laboratories, industry directors, and/or public health microbiology. Applicants will hold a doctoral degree (Ph.D., MD, DO) obtained from a recognized US institution inside the United States or Canada. Foreign applicants must fulfill each of the following requirements in order to be considered: 1. Obtained their undergraduate or doctoral degrees in an English-speaking country, or have completed the Test of English as a Foreign Language (TOEFL) exam, and 2. Completed at least one year of postdoctoral training within the United States or Canada. The program reviews applications from July through October for a position that will begin in July of the following year.

### **Indiana University School of Medicine**

Department of Pathology and Laboratory Medicine

Division of Clinical Microbiology

Indianapolis, IN

Program Director: [Ryan Relich](#)

The Medical and Public Health Laboratory Microbiology Fellowship program offers doctoral-level fellows comprehensive training in clinical, molecular and public health microbiology. Through a combination of didactic lectures, hands-on bench rotations, formal journal clubs, clinical consultations and daily interactions with healthcare professionals, fellows will acquire knowledge and skills that are essential for directing clinical and public health microbiology laboratories. Training is primarily based at the Indiana University Health Pathology Laboratory (IUHPL), a modern, state-of-the-art and centralized testing facility that serves numerous IU Health healthcare providers. Fellows will also rotate through the microbiology and serology laboratories of the Richard L. Roudebush VA medical center, the Eskenazi Health hospital and the Indiana State Department of Health, which are all located in very close proximity to the IUHPL in downtown Indianapolis. During both years of training, fellows will have on-call responsibilities and will participate in microscopic examination and interpretation of stat infectious disease pathology consultations alongside faculty microbiologists and pathology fellows. Fellows will also have numerous research opportunities and many projects to choose from, including clinical trials of in vitro diagnostic products and laboratory test development. To better appreciate the role of clinical and public health microbiology laboratories in the care of patients, fellows will rotate through several clinical service areas, giving them direct interaction with infectious disease physicians, infection control practitioners, pharmacists and other healthcare professionals at affiliated hospitals in Indianapolis. The program reviews applications each year from July to November for positions that will begin in July of the following year.

### **Johns Hopkins University School of Medicine**

Division of Microbiology, Department of Pathology  
Baltimore, MD

Program Co-Director: Patricia (Trish) Simner

Program Co-Director: Nikki Parrish

Direct inquiries to Jacqueline Burris: [jburris6@jhmi.edu](mailto:jburris6@jhmi.edu)

The Division of Medical Microbiology, Department of Pathology at the Johns Hopkins University School of Medicine encompasses all major areas of infectious diseases diagnostics. This is reflected by the extensive test menu, volume of testing offered in the division (700,000 tests annually) and esoteric pathogens encountered based on the complex patient populations served (e.g., adult and pediatric, transplant, oncology, etc). The goal of our CPEP Fellowship program is to prepare the fellow to become a director of a clinical and/or public health microbiology laboratory and a national and international thought leader in the discipline of medical microbiology. Fellows will have the opportunity to work directly with 5 board-certified laboratory directors with expertise in Bacteriology, Virology, Mycology, Mycobacteriology and Parasitology. They will also have the opportunity to complete two public health laboratory rotations at both the city and state health level. They will gain experience with various diagnostic modalities from traditional culture-based methods to an array of advanced molecular methods including next-generation sequencing. The fellow will learn through hands-on-experience, bench rotations, didactics and a laboratory directorship to be completed in the second year. There will also be many opportunities for research, new test development and for publication and/or presentation of findings at meetings. Further rotations will include Infectious Diseases, Antimicrobial Stewardship, Infection Prevention and Control, Infectious Disease Serology and Histopathology rotations. A dedicated Education Coordinator will coordinate and oversee the rotations for the fellow.

### **Mayo Clinic**

Department of Clinical Microbiology  
Rochester, MN

Program Director: Elitza Theel

Direct inquiries to [Tasha Gilbertson](mailto:Tasha.Gilbertson@mayo.edu)

The Mayo Clinic postdoctoral program in Clinical Microbiology offers training in all areas of conventional and molecular microbiology. Trainees will have the opportunity to work directly with 7 board-certified laboratory directors (4 M.D.s and 3 Ph.D.s) in Bacteriology, Virology, Parasitology, Mycology, Mycobacteriology, Hepatitis/HIV and Infectious Diseases Serology. Over 2.7 million tests are performed annually and the trainee will gain experience in the detection, identification and drug susceptibility testing of routine and esoteric pathogens. Extensive molecular testing methods are incorporated into all laboratory areas. The trainee will also participate in laboratory management through didactic coursework and hands-on experience directing a laboratory section. Trainees have educational rotations in Infectious Diseases (including Pediatric and Transplant Infectious Diseases), Infection Prevention and Control and Epidemiology/Public Health at the State Department of Health in St. Paul,

Minnesota. Ample opportunities for research and new test development exist in all specialty areas. For more information and to apply online, please visit the [program website](#).

**Memorial Sloan Kettering Cancer Center**

Department of Laboratory Medicine

Clinical Microbiology Service

New York, NY

Program Director: [Esther Babady](#)

Direct inquiries to [Eseul Campbell](#)

The Clinical Microbiology Service of the Department of Laboratory Medicine at Memorial Sloan Kettering Cancer Center (MSKCC) offers a 2-year Clinical Microbiology Fellowship. This fellowship offers training for doctoral-level scientists interested in acquiring knowledge and skills necessary to direct a clinical microbiology laboratory. The fellowship will provide both general training in clinical microbiology as well as specialized training for diagnostic microbiology in immunocompromised patients. The fellow will obtain training in all sub-specialties of Clinical Microbiology and develop knowledge of both conventional and molecular diagnostic methods for identification and antimicrobial susceptibility testing of bacteria, mycobacteria, fungi and rapid detection of viruses and parasites. Additionally, the fellow will develop skills in laboratory management, clinical consultation related to microbiology and infectious diseases and interpretation and clinical correlation of laboratory data. A strong emphasis is also placed on laboratory research, diagnostic assays development and outcome studies in immunocompromised patients. The fellow's training will occur on the Main campus of MSKCC, on the Upper East Side of Manhattan. Memorial Sloan-Kettering Cancer Center encompasses Memorial Hospital, a 434 bed tertiary care teaching hospital founded in 1884; Sloan-Kettering Institute for research dedicated in 1948; and multiple outpatient practices in Manhattan and at regional sites on Long Island, Westchester and New Jersey. In order to enhance the fellows' training and provide fellows with comprehensive training and a greater mix of clinical microbiology cases, the fellow will also rotate in the Clinical Microbiology Laboratories of the New York University Langone Health/Bellevue Hospital Center. The fellow's Public Health rotation will take place at the New York City Department of Health (DOH) Public Health Laboratory (PHL). The NYC PHL, established in 1892, is one of the oldest PHL in the world with a rich history and experience dealing with issues of public health importance. The NYC DOH PHL is located in lower Manhattan within a few blocks from the Microbiology laboratory at MSKCC.

### **National Institutes of Health**

Microbiology Service, Department of Laboratory Medicine

Bethesda, MD

Program Director: [Ahnika Kline](#)

The program is designed to develop knowledge and skill in diagnostic microbiology, clinical consultation related to microbiology and infectious diseases, laboratory informatics and clinical laboratory management. A strong emphasis is also placed on laboratory research, particularly on the development of molecular and proteomic-based diagnostic tests and on collaborative projects performed in conjunction with clinical protocols ongoing at the NIH. The fellowship will be enhanced through collaborative training provided by Children's National Medical Center, Washington Hospital Center, Johns Hopkins Hospital and the Maryland State Health Laboratory. Ideal candidates have less than 2 years beyond completion of postdoctoral and/or fellowship training and show evidence of research acumen through publications in peer-reviewed journals. Non-U.S. citizens are eligible to apply. Visa assistance is available through the [NIH's Division of International Services](#).

### **Northwestern University Feinberg School of Medicine**

Department of Pathology

Chicago, IL

Program Director: [Chao Qi](#)

Direct inquiries to [Allison Barthele](#)

The Department of Pathology at Northwestern University Feinberg School of Medicine offers a comprehensive 2-year postdoctoral training program in Medical and Public Health Laboratory Microbiology. This fellowship is also supported by a large core residency program in Pathology and 10 other subspecialty fellowships. The Department Chair, Vice Chair for Education, Program Directors and program coordinators provide strong support for the education of residents and fellows. The Microbiology fellowship program will provide training in the areas of laboratory diagnosis of human diseases caused by bacteria, viruses, fungi and parasites, as well as antimicrobial susceptibility testing, antimicrobial stewardship, infection prevention, public health, laboratory quality, safety, management and regulation following the guidelines provided by Subcommittee on Postgraduate Educational Programs. Training is based at Northwestern Memorial Hospital, a 900- bed academic hospital in downtown Chicago, Ann & Robert Lurie Children's Hospital of Chicago and the Illinois Department of Health Laboratory Divisions in Chicago. A large and diverse variety of clinical specimens are available in these 3 locations. Interaction with clinicians, especially infectious disease clinicians, provides rich exposure to real-time patient care. A well-organized didactic and practical curriculum is designed to provide an excellent learning experience with graduated responsibility. Qualified applicants must have a doctoral degree (Ph.D., M.D., D.O.) with graduate education in microbiology, molecular biology or other related discipline from a recognized U.S. institution inside the United States or Canada. Completion of an ACGME residency is required for applicants with M.D. or D.O. The program will typically review applications from January through August for a position that will begin in July of the following year. Trainee recruitment

and selection will be nondiscriminatory with respect to race, color, creed, age, sex, sexual preference or national origin. Appropriate consideration will be given to the physically handicapped. Matriculation practices will be consistent with all applicable laws regarding nondiscrimination. Hiring is contingent upon eligibility to work in the United States. For more, visit the [program website](#).

### **University of California, Los Angeles, Clinical Microbiology**

Department of Pathology & Laboratory Medicine

Los Angeles, CA

Program Director: [Omai Garner](#)

The UCLA and West Los Angeles VA Medical Center program offers comprehensive, academically-oriented training in clinical, public health and molecular microbiology. Fellows receive training at UCLA and LA County Public Health clinical laboratories, both state-of-the-art facilities with an emphasis on molecular diagnostic test development and a commitment to clinical and translational research. Fellows actively participate in all functions of the laboratory, receive training in laboratory management and develop clinical problem solving and consultative skills through participation in infectious disease rounds and call responsibilities. The program, supported by the clinical and academic resources of the participating institutions, also has strong public health, infection prevention and antimicrobial stewardship training components, and is enriched by the diversity of the Southern California population. UCLA offers 1-2 positions each year starting in July. Applicants must have completed their doctoral degrees within the past 10 years and have no more than 5 years of cumulative postdoctoral research experience (NOT including medical residencies or clinical appointments). Complete Graduate Division requirements for a Postdoctoral Scholar appointment are posted at [here](#). Applications are reviewed between July 1st and August 1st for positions beginning in July of the following year.

### **University of Maryland School of Medicine**

Department of Pathology

Baltimore, MD

Program Director: Paul Luethy; [pluethy@som.umaryland.edu](mailto:pluethy@som.umaryland.edu)

Program Co-Director: J. Kristie Johnson; [jkjohnson@som.umaryland.edu](mailto:jkjohnson@som.umaryland.edu)

Direct Inquiries to: Lisa Rodgers; [LiRodgers@som.umaryland.edu](mailto:LiRodgers@som.umaryland.edu)

The Department of Pathology at the University of Maryland School of Medicine offers a 2-year post-doctoral fellowship in Medical and Public Health Microbiology. Trainees will acquire knowledge and skills in the areas of specimen processing, bacteriology, mycology, mycobacteriology, serology and molecular diagnostics through rotations located at the University of Maryland Medical Center Laboratories of Pathology. In addition, fellows will participate in collaborative external rotations for parasitology at the National Institutes of Health, public health microbiology at the Maryland Department of Health, and next generation sequencing diagnostics at the Johns Hopkins University. Training in clinical infectious diseases and infectious diseases pharmacy will allow the fellow to develop their clinical problem solving,

consultative, and collaborative skills across the diverse patient population seen at the Medical Center including adult and pediatric patients, cancer and transplant patients, and patients in the Level 1 trauma center. Collaborative research opportunities in clinical and translational research are available both within the hospital as well as throughout the university. Applicants to the training program must have a doctoral degree (Ph.D., M.D., M.B.B.S., D.D.S, Sc.D, D.V.M., Dr.P.H.) in microbiology or in a related discipline, preferably earned within 3 years prior to fellowship enrollment. Applicants must be a U.S. citizen or hold a valid immigration visa that permits employment for a minimum of two years. One fellow will be accepted for each 2 year fellowship, with applications accepted July 1 through October 31 the year prior. For more information, please visit the [program website](#).

### **University of Nebraska Medical Center**

Department of Pathology and Microbiology

Omaha, NE

Director: Peter C. Iwen

Deputy Director: Paul D. Fey

Direct inquiries to [Dr. Iwen](#)

The Department of Pathology and Microbiology at the University of Nebraska Medical Center sponsors the CPEP-training fellowship. This fellowship provides a hands-on experience in the basic disciplines of clinical microbiology through bench rotations, didactic lectures and contact with pathology fellows, faculty and fellows. Administrative experience through participation in management and committee interaction is also a part of the training. The fellowship will be enhanced through collaborative training provided by our sponsoring affiliates, the Creighton University Medical Center/CHI Health Laboratory, the Nebraska Medicine (affiliated hospital system) and the Nebraska Public Health Laboratory. Applicants to the training program must have a doctoral degree (Ph.D., M.D., Sc.D., D.O. Dr. PH, etc.) with graduate education in clinical microbiology or related discipline. Ideal candidates will have previous experience working within a diagnostic laboratory setting and a strong desire to pursue future activities as it pertains to public health and clinical microbiology. Non-U.S. applicants from countries where English is not the primary language will only be considered if they have: 1) completed the Test of English as a Foreign Language (TOEFL) exam (see program website for acceptable scores), 2) graduated with a doctoral degree from an accredited US institution, and 3) completed at least 1 year of postdoctoral training within the United States. Additionally, foreign M.D. applicants will only be considered if they are certified by the Educational Commission for Foreign Medical Graduates (ECFMG) and licensed to practice medicine in the United States. One individual is accepted into the program each year, which is dependent on the availability of funding. More information can be found on the [program website](#). Applications will be reviewed from 1 July to 1 November for positions beginning in July of the following year.

### **University of North Carolina Hospitals, Microbiology**

Clinical Microbiology Laboratories

Chapel Hill, NC

Program Director: [Melissa Miller](#)

The University of North Carolina Hospitals' program offers intensive training in all aspects of clinical microbiology with emphasis on developing clinical problem solving and consultative skills through daily laboratory contact with the Division of Infectious Diseases and other pertinent clinical services. Trainees will gain hands-on experience in specimen processing, bacteriology, molecular microbiology/virology, mycology, mycobacteriology, parasitology and infectious disease serology through structured bench rotations. The laboratory has a strong commitment to molecular testing with fellows participating in test development for our constantly expanding test menu and response to emerging infectious diseases. Fellows are expected to develop strong clinical and translational research skills by performing collaborative clinical research with program faculty and UNC's internationally-recognized programs in Infectious Diseases and Public Health. Applications from U.S. citizens and permanent residents (green card holders) are given preference. For more information, please visit the [program website](#).

### **University of Pennsylvania and Children's Hospital of Philadelphia**

Clinical Microbiology Laboratory

Department of Pathology and Laboratory Medicine

Philadelphia, PA

Program Co-Director: Rebecca M. Harris

Program Co-Director: [Laurel Glaser](#) (Hospital of the University of Pennsylvania)

The University of Pennsylvania and Children's Hospital of Philadelphia program offers comprehensive, academically-oriented training in clinical microbiology through a joint program with the Hospital of the University of Pennsylvania (HUP) and Children's Hospital of Philadelphia (CHOP) and affiliated institutions. Particular strengths include training in adult and pediatric microbiology, the strong clinical orientation of the training program and consultations and interaction with the Infectious Diseases Divisions. A variety of research opportunities are available including diagnostic and molecular microbiology, antimicrobial resistance and clinical epidemiology of infectious diseases. A completed application, letters of reference and personal statement should be submitted according to the application dates listed. Only U.S. citizens, U.S. permanent residents or Canadian citizens are eligible to apply.

### **University of Rochester School of Medicine & Dentistry**

Department of Pathology and Laboratory Medicine, Clinical Microbiology Laboratories, UR  
Medicine Central Laboratory

Rochester, NY

Program Co-Director: Dwight J. Hardy

Program Co-Director: Andrew Cameron

Direct inquiries to Mary Ellen Gardiner, [Mary Ellen Gardiner](#)

The Department of Pathology and Laboratory Medicine at the University of Rochester Medical Center offers a 2-year CPEP-accredited fellowship in Medical and Public Health Microbiology. The fellowship provides a comprehensive training experience in conventional and molecular diagnostic microbiology, infectious diseases, and laboratory administration, including laboratory quality, safety, and regulations. Fellows will rotate through the Clinical Microbiology Laboratories, which includes Bacteriology, Mycobacteriology, Mycology, Parasitology, Virology, and Serology (which includes infectious disease and transplant serological testing). The Clinical Microbiology Laboratories are housed within the UR Medicine Central Laboratory, a modern consolidated facility that provides full microbiological services to our health system, which includes Strong Memorial Hospital (a Level 1 trauma center), Golisano Children's hospital, five other hospitals, and numerous outpatient facilities throughout our region of New York State. Fellows will also participate in both adult and pediatric infectious diseases clinical consultations and conferences, infectious diseases pharmacy and antimicrobial stewardship, hospital epidemiology, and infection prevention. These rotations provide numerous opportunities for clinical and translational research. The public health component of the fellowship is supplemented by rotations at regional and state public health laboratories, and the Center for Community Health & Prevention at the University of Rochester Medical Center. Ideal candidates must have a doctoral-level degree in microbiology or a related discipline, and must demonstrate a strong desire for a career in clinical or public health microbiology. Two applicants are admitted every other year.

### **University of Texas Medical Branch**

Department of Pathology, Division of Clinical Microbiology

Galveston, TX

Program Director: [Natalie Williams-Bouyer](#)

The Medical and Public Health Laboratory Microbiology Fellowship program at the University of Texas Medical Branch (UTMB) in Galveston offers a comprehensive training experience in both conventional and molecular-based microbiology. For an overview of the Division of Clinical Microbiology, visit our [website](#). UTMB has a long tradition of excellence in emerging infectious diseases, tropical medicine, and global health. Trainees will rotate through the Clinical Microbiology, Molecular Diagnostics, and Cytopathology Laboratories at UTMB, and the Texas Department of State Health Services Public Health Laboratory in Austin. An optional rotation at the City of Houston Public Health Laboratory is also available. Trainees will participate in consultative and administrative activities, and rotations in Infectious Diseases and Infection Control. Ample opportunities exist for both applied clinical and translational research. Ideal

candidates will have demonstrated experience in the clinical laboratory setting, and display a commitment to a career in clinical or public health microbiology.

### **University of Utah School of Medicine, Microbiology**

Department of Pathology

Salt Lake City, UT

Program Director: [Marc Couturier](#)

Direct inquiries to [Karen Nelson](#)

The University of Utah program, part of the Department of Pathology and ARUP Laboratories, allows trainees to gain hands-on experience in bacteriology, mycobacteriology, mycology, parasitology, virology, molecular microbiology and serology through a series of structured bench rotations and independent research. The trainee also acquires administrative experience through participation in laboratory management and hospital committee meetings, and special effort is directed toward clinical infectious diseases case management and infection control. Fellows are selected for their potential as future directors of academic diagnostic microbiology laboratories and leaders in public health. Fellows completing the program are expected to apply for subspecialty certification in Medical Microbiology by examination of the American Board of Medical Microbiology. The J-1 visa is the required visa for international trainees. This policy is governed by the University Of Utah Office Of Graduate Medical Education and applies to all Department of Pathology fellowships, regardless of program accreditation or associated degree type. Positions are generally filled 14-18 months prior to the annual July start date. More information can be found on the [program website](#).

### **University of Washington Medical Center**

Department of Laboratory Medicine

Seattle, WA

Program Director: Lori Bourassa

Program Co-Director: Brad Cookson

Direct inquiries to [Maureen Ni](#)

This program offers training in all aspects of clinical microbiology. Training is based at the UW Medical Center, a tertiary care facility, and 2 affiliated hospitals: Harborview Medical Center (the regional trauma center) and the Children's Hospital and Regional Medical Center (a pediatric tertiary care facility). Fellows acquire experience in public health microbiology at the Washington State Public Health Lab and participate in hands-on training in pediatric and adult infectious disease and in hospital infection control. Laboratory management is learned in weekly meetings with the laboratory leadership team, including faculty directors and managers, as well as "on the job" during the second year acting directorship. A wide variety of research opportunities are available in diverse aspects of clinical microbiology, with the fellow's schedule designed to accommodate his or her background and interests. If the applicant's doctoral degree was obtained from an institution outside of the United States or Canada, applicants must fulfill each of the following requirements in order to be considered: 1. Obtained their

undergraduate or doctoral degrees in an English-speaking country, or have completed the Test of English as a Foreign Language (TOEFL) exam, and 2. Completed at least 1 year of postdoctoral training within the United States or Canada. The program reviews applications from January 1 to October 1 for a position that will begin in July of the following year.

**Vanderbilt University Medical Center**

Department of Pathology, Microbiology, and Immunology  
Nashville, TN

Program Director: [Charles Stratton](#)

Associate Directors: Jonathan Schmitz and Romney Humphries

The Fellowship Training Program in Medical and Public Health Laboratory Microbiology at Vanderbilt University Medical Center provides broad postdoctoral education in the clinical laboratory diagnosis, management and prevention of infectious diseases. The 2-year program is administered through the Department of Pathology, Microbiology, and Immunology and Office of Graduate Medical Education. The curriculum is designed to offer integrated experience in the scientific and technical bases of microorganism identification, laboratory consultation, clinical infectious diseases, infection control and prevention, epidemiology, public health microbiology, immunology, laboratory management and teaching through modular and continuous formats. Clinical microbiology expertise is further developed through didactic instruction, participation in clinical and research conferences, direct mentoring by program faculty and progressive increases in responsibility. Fellows conduct approximately 6 months of research to establish scholarship in the field. Graduates will have acquired the knowledge, skills and abilities necessary to competently practice clinical microbiology. Candidates who are not U.S. citizens or permanent fellows must be eligible for a J-1 or TN visa to be considered for this program. Permanent fellows (green card holders) are eligible. For more information, visit the [program website](#).

**Washington University in St. Louis, Barnes-Jewish Hospital, and St. Louis Children's Hospital**

Washington University School of Medicine  
Department of Pathology & Immunology  
St. Louis, MO

Program Director: [Carey-Ann Burnham](#)

The program and major clinical rotations are based at the Barnes-Jewish Hospital and St. Louis Children's Hospital. Fellows master taxonomic and diagnostic expertise in all areas of clinical diagnostic microbiology through interactive rotations provided at the adult and pediatric facilities. Fellows also receive substantial exposure to molecular diagnostics, genomics, clinical infectious diseases, epidemiology, pharmacotherapy and laboratory management. The public health segment of the program has been developed in conjunction with the Wisconsin Department of Health and includes training at the Wisconsin state laboratory. Fellows are provided with a wealth of interdepartmental lectures, seminars and symposia during the course of the program and given the unique option to gain additional exposure to other disciplines of clinical laboratory medicine. Ample opportunity will be provided for the development of

research projects. Candidates who are not U.S. citizens or permanent fellows must be eligible for a J-1, H1B or TN visa to be considered for this program. Permanent fellows (green card holders) are eligible. For more information, visit the [program website](#).

### Program Timelines

| Program  | # of fellows /year | App. review begins | App. deadline | Interviews & offers | Start date       | Funding   |
|--|--------------------|--------------------|---------------|---------------------|------------------|---|
| Baylor College of Medicine and Texas Children's Hospital | 1                  | July 1, 2021       | Aug. 31, 2021 | Oct. - Dec.         | July 1 each year | Fellows are NOT required to bring their own funding. If an individual has external funding, the program may consider an additional fellow.  |
| Beth Israel Deaconess Medical Center                     | 1                  | July 1, 2021       | Nov. 1, 2021  | Dec. - May          | July each year   | Fellows are required to bring outside funding (e.g. military).  |
| Children's Hospital Los Angeles                          | 1 - 2              | June 1, 2021       | Aug. 31, 2021 | Sept. - Nov.        | July 1 each year | Fellows are NOT required to bring their own funding. Individuals with external funding are considered.  |
| Hennepin County Medical Center                           | 1 every other year | July 1             | Nov. 30       | Dec. - May          | July 1 each year | Fellows are NOT required to bring their own funding. If an individual has external funding, the program may consider an additional fellow. Qualified military-funded applicants are considered. |
| Indiana University School of Medicine                    | 1                  | July 1, 2021       | Nov. 30, 2021 | Dec. - Feb.         | July each year   | Fellows are NOT required to bring their own funding. Qualified military-funded candidates are accepted.   |

|   |                        |              |                |                   |                  |   |
|---|------------------------|--------------|----------------|-------------------|------------------|---|
| Johns Hopkins University School of Medicine | 1                      | Mar. 1, 2021 | April 30, 2021 | Prior to May 31   | July 1, 2021     | Fellows are NOT required to bring their own funding.  |
| Mayo Clinic                                 | 1                      | Jan.         | Dec. 31        | Jan. – Mar.       | July 1 each year | Fellows are NOT required to bring their own funding.  |
| Memorial Sloan Kettering Cancer Center      | 1 - 2 every other year | June 1, 2021 | Aug. 31, 2021  | Sept. - Oct. 2021 | July 1, 2022     | Fellows are NOT required to bring their own funding. If an individual has external funding, the program may consider an additional fellow.  |
| National Institutes of Health               | 2                      | July 1, 2021 | Jan. 31 2022   | Jan. – Mar. 2022  | June - July 2022 | Fellows are NOT required to bring their own funding. If an individual has external funding, the program may consider an additional fellow.  |
| Northwestern University                     | 1 every other year     | June 1, 2022 | Aug. 31, 2022  | Sept. 2022        | July 1, 2023     | Fellows are NOT required to bring their own funding.  |
| University of California, Los Angeles       | 1 - 2                  | June 1       | Sept. 1        | Sept. - Dec.      | July 1 each year | Fellows are NOT required to bring their own funding.  |
| University of Maryland School of Medicine   | 1 every other year     | July 1, 2022 | Oct. 31, 2022  | Jan. – Feb.       | July 1, 2023     | Fellows are not required to bring their own funding. If an individual has external funding, the program may consider an additional fellow. Qualified military-funded applicants are considered. |
| University of Nebraska Medical Center       | 1                      | July 1, 2021 | Dec. 31, 2021  | Oct. - Mar. 2022  | July 1 each year | Fellows are NOT required to bring their own funding.  |

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| University of North Carolina Hospitals                         | 1 every 1-2 years (dependent on funding) | July 1, 2021 | Aug. 31, 2021 | Sept. – Nov.     | July 1, 2022 | Fellows are NOT required to bring their own funding.  |
| University of Pennsylvania/Children’s Hospital of Philadelphia | 1  | July 1, 2021 | Aug. 31, 2021 | Sept. - Nov.     | July 1, 2022 | Applications limited to U.S. citizens, U.S. permanent residents or Canadian citizens.   |
| University of Rochester Medical Center                         | 2 every other year                       | Aug. 1, 2022 | Oct. 31, 2022 | Mar. 2023        | July 1       | Fellows are NOT required to bring their own funding. Qualified military-funded applicants are accepted.   |
| University of Texas Medical Branch                             | 1 every other year                       | July 1, 2021 | Oct. 1, 2021  | Feb. 2022        | July 2022    | Fellows are NOT required to bring their own funding. Qualified military-funded applicants are considered.   |
| University of Utah   | 1  | Jan. 1, 2021 | Dec. 31, 2021 | Jan. - Feb. 2022 | July 2022    | Fellows are NOT required to bring their own funding.  |
| University of Washington Medical Center                        | 1  | Jan. 1, 2021 | Oct. 1, 2021  | Nov. - Feb.      | July 1       | Fellows are NOT required to bring their own funding. The program encourages and is proud to train qualified military-funded applicants.           |
| Vanderbilt University Medical Center                           | 1 every two years                        | Oct. 1, 2021 | Dec. 31 2021  | Jan. – Feb. 2022 | July 1, 2022 | Fellows are NOT required to bring their own funding. If a candidate has external military funding, the program may consider an additional Fellow. |

|                                       |                              |                 |                  |                          |                 |  |
|---------------------------------------|------------------------------|-----------------|------------------|--------------------------|-----------------|--|
| Washington University<br>in St. Louis | 1<br>dependent<br>on funding | July 1,<br>2020 | Sept. 1,<br>2020 | Oct. 2020<br>- Jan. 2021 | July 1,<br>2021 | Fellows are NOT<br>required to bring<br>their own funding.<br>However, future<br>opportunities are<br>dependent on the<br>program's internal<br>funding. |
|---------------------------------------|------------------------------|-----------------|------------------|--------------------------|-----------------|--|