

The Division of Infectious Diseases is committed to providing enriching research opportunities for fellows and provides many training and educational offerings, for both those fellows interested in clinical research as well as those interested in basic science research.

Clinical Research:

For fellows who are interested in clinical research, there are several opportunities to work with mentors on a wide range of topics. Currently, faculty members are involved in clinical research in antimicrobial resistance, *Clostridium difficile*, hospital-acquired infections, infection prevention, antimicrobial stewardship, HIV, influenza, fungal infections and infection in transplant recipients. There are also several options for education and training. The [Clinical Research Design and Statistical Analysis program](#) is an MS program offered by the Department of Biostatistics in the School of Public Health (SPH). This On-Job/On-Campus Master's in Clinical Research Design and Statistical Analysis (CRDSA) Program was developed in a non-residential format to provide a means for working professionals who are interested in clinical research to develop expertise in research design and statistical analysis while continuing their professional employment. The SPH also offers [summer course sessions in Epidemiology](#) and the majority of fellows participate in this program. The University of Michigan Institute for Healthcare Policy and Innovation (IHPI) [National Clinician Scholars Program](#) provides unparalleled training for clinicians as change agents driving policy-relevant research and partnerships to improve health and health care. IHPI's [Master's Scholars in Health and Healthcare Research Program](#) trains students to be leaders and researchers in health services delivery and quality improvement.

Basic Science:

The University of Michigan is among the nation's leading research institutions, has a long history of foundational research in infectious diseases and a track record of mentoring fellows and other trainees toward successful research careers. Current faculty members in the Division of Infectious Diseases provide a wide range of research and training opportunities including robustly funded basic and translational research programs in HIV, viral pathogenesis and evolution, hospital acquired infections, antimicrobial resistance and the human microbiome. In addition, the Postdoctoral Research Training Program offers fellows a rigorous introduction to new and emerging concepts in cell and molecular biology. Trainees will be exposed to important new areas of investigation and given the opportunity to utilize complex techniques and cutting-edge analytical methods. Science in the Clinics is a seminar course in which trainees explore infectious diseases from a translational perspective, learning to connect the basic research and training they are receiving with clinical and therapeutic features of infectious diseases medicine.

Educational and training opportunities for both basic science and clinical research trainees:

The Michigan Institute for Clinical and Health Research (MICHR) offers a [K-writing Workshop](#) that helps participants get peer critique and feedback from senior faculty who are experienced in NIH study section thinking. The [Office of Graduate and Postdoctoral Studies](#) has a number of career development resources available to fellows. [Responsible Conduct of Research and Scholarship \(RCRS\) Training](#) is designed to meet federal and institutional requirements for the conduct of research and is required for all research fellows.