We offer world-class research in cancer biology, infection and immunity, neuropathology, tissue injury and repair, biomaterials, and biocompatibility. These areas are reflected in the three individualized tracks of the Pathology Graduate Program that offer specialized courses and training opportunities. Each track provides rigorous training to allow students to push themselves to their boundaries in pursuing their future “path”.

**Molecular and Cellular Basis of Disease Training Program** provides training in experimental pathology, including inflammation, receptor signaling, tissue injury and healing, necrosis, apoptosis, cell growth control, neoplasia, biomaterials, biocompatibility, neuropathology (including prion disorders and Alzheimer’s disease), aging, diabetes, and cardiovascular disease.

**Immunology Training Program** is jointly sponsored by the Department of Pathology, Cleveland Clinic Foundation Department of Immunology, Division of Infectious Diseases and HIV Medicine, and the Center for Global Health. This program spans basic science to translational research. Training is available in a wide range of immunology-related topics in basic research areas such as innate immunity, T cell activation, tolerance, antigen processing and presentation, MHC function, complement, antibody structure and function, and mucosal immunity. The program provides research in clinically-relevant models of infectious diseases, vaccine development, immunopathology, transplantation, and autoimmunity.

**Cancer Biology Training Program** provides training related to the causes, diagnosis, progression, and treatment of experimental and human cancer. Jointly sponsored by the Department of Pathology and the Case Comprehensive Cancer Center, research topics include many facets of cancer biology, including cancer pathology, cancer genetics, cell signaling, cell growth, tumor apoptosis, cancer therapeutics, stem cell biology, cancer imaging, and tumor immunology. The program focus includes basic scientific research and its applications to clinical settings.

Questions? Contact Us!
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