## Pathology Courses

**PATH:4151 MLS Program Registration** 0 s.h.
Requirements: admission to Medical Laboratory Science Program.

**PATH:5260 Translational Histopathology** 3 s.h.
Didactic sessions on human comparative histology, molecular and cellular pathology, and animal model applications; laboratory sessions on microscopy, histology, histotechnology, and immunohistochemistry, with group discussions of model papers; experience in scientific writing and oral presentation skills; for students who plan to investigate experimental models of human disease.

**PATH:5270 Pathogenesis of Major Human Diseases** 3 s.h.
Critical analysis of pathogenesis models in a series of major human diseases; clinical presentation, analysis of cellular and molecular events leading to the disease, discussion of key papers. Offered spring semesters of even years. Same as IGPI:5270, MMED:5270.

**PATH:5461 Introduction to Morphology in Research** 1 s.h.
Introduction to the histologic examination of organs and tissues utilizing human and/or animal examples; organ identification, comparative morphology, use of histologic techniques (e.g., stains).

**PATH:6220 Seminar in Pathology** 1 s.h.
Current research and literature. Requirements: pathology graduate standing.

**PATH:7001 Molecular and Cellular Biology of Cancer** 3 s.h.
Fundamental aspects of oncology at cellular and molecular levels; mechanisms of cancer initiation and progression, oncogene action, DNA damage and repair, carcinogenesis by radiation, chemicals, viruses; tumor immunology, anticancer therapies. Offered spring semesters. Requirements: strong basic science background. Same as FRRB:7001.

**PATH:7211 Research in Pathology** arr.
Basic aspects of pathology or clinical patient material; emphasis on experimental design, methods, literature review, obtaining formal answers to specific questions. Requirements: M.D. enrollment or graduate standing.

**PATH:8007 Medical Student Fellowships in Pathology (Externships)** 0 s.h.
First-hand experience in autopsy, surgical and clinical pathology, teaching, and research to further understanding of disease mechanisms, normal and pathologic anatomy, laboratory use.