Pathology

Chair
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Graduate degree: M.S. in pathology
Faculty: https://medicine.uiowa.edu/pathology/people
Website: https://medicine.uiowa.edu/pathology/

Courses

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:8008 Warner Fellowship in Experimental Pathology 0 s.h.
One-year, full-time membership in established research laboratory in the Department of Pathology or collaborating laboratory. Requirements: M.D. enrollment.

PATH:8133 Introduction to Human Pathology for Graduate Students 3-4 s.h.
Human disease; basic disease processes, organ-related and multisystem diseases; case analysis. Offered fall semesters.

PATH:8301 Laboratory Medicine in Clinical Practice arr.
Issues in appropriate use of clinical laboratory and pathology resources in the primary care setting; case-based approach. Requirements: third- or fourth-year M.D. enrollment.

PATH:8401 Autopsy Pathology Clerkship arr.
PATH:8402 Hematopathology Clerkship arr.
PATH:8403 Surgical Pathology Clerkship arr.
PATH:8404 Transfusion Medicine arr.
PATH:8405 Clinical Microbiology 2,4 s.h.
Students rotate through bacteriology, molecular microbiology, mycology, mycobacteriology, and virology while participating in clinical and technical activities.

PATH:8497 Research in Pathology arr.
Medical research, clinical or laboratory projects; individual study with department approval.

PATH:8498 Pathology On Campus arr.
PATH:8499 Pathology Off Campus arr.

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.