Pathology

Chair
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Director, Clinical Functions
• Brad Seaton

Graduate degree: MS 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: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: MD 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.

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: MD 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: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.