

PATHOLOGY

OVERVIEW

The Department of Pathology is actively engaged in both undergraduate and graduate courses focusing on general and systemic pathology as well as mechanisms of environmental disease. Opportunities include courses on special techniques of translational pathology as well as molecular mechanisms of environmental disease. Numerous research opportunities are available in collaboration with the dynamic and engaged faculty.

DEGREES

- Pathology M.S.

FACULTY

Anathy, Vikas; Assistant Professor; Department of Pathology and Laboratory Medicine; PHD, Madurai Kamaraj University

Buskiewicz, Iwona; Assistant Professor, Department of Pathology and Laboratory Medicine, PhD, University of Witten

Fung, Mark K.; Professor, Department of Pathology and Laboratory Medicine; MD, PHD, University of Alabama School of Medicine

Heintz, Nicholas; Professor, Department of Pathology and Laboratory Medicine; PHD, University of Vermont

Huber, Sally; Professor, Department of Pathology and Laboratory Medicine, PhD Duke University

Janssen-Heininger, Yvonne; Professor, Department of Pathology and Laboratory Medicine; PHD, University of Lumburg

Shukla, Arti; Associate Professor, Department of Pathology and Laboratory Medicine; PHD, Benaras Hindu University

Taatjes, Douglas J.; Professor, Department of Pathology and Laboratory Medicine; PHD, University of Basel

Tracy, Russell P.; Professor, Department of Pathology and Laboratory Medicine; PHD, Syracuse University

Van der Velden, Jos; Assistant Professor of Department of Pathology and Laboratory Medicine, PhD, University Maastricht, Netherlands

van der Vliet, Albert; Professor, Department of Pathology and Laboratory Medicine; PHD, University of Amsterdam

Williams, Tamara; Assistant Professor, Department of Pathology and Laboratory Medicine; PHD, University of Chicago

Courses

PATH 295. Advanced Special Topics. 1-18 Credits.

See Schedule of Courses for specific titles.

PATH 303. Translational Pathology. 3 Credits.

A course providing an introduction to anatomic and clinical pathology, classes and hands-on training in essential pathology translational research techniques and exposure to their clinical laboratory applications. Prerequisites: Instructor approval.

PATH 304. Human Molecular Genetics. 3 Credits.

Advanced survey of hereditary and molecular genetics and genomics in human health and disease. Prerequisite: Graduate standing; or minimum Junior standing and BIOC 212.

PATH 305. Molecular Mech Environ Disease. 3 Credits.

Introductory course on molecular and cellular pathways of disease induction and development. Emphasis on environmental diseases. For graduate students and postdoctoral fellows and undergraduates with permission of course director. Alternate years.

PATH 306. Pathobiology of Disease. 1 Credit.

Computer-assisted basic pathology series with emphasis on skin, lung, brain, and digestive tract. Alternate years with PATH 305.

PATH 325. Genetics for Clinicians. 3 Credits.

Provides an overview of contemporary human genetics and genomics with application to clinical practice. Prerequisite: Graduate standing. Cross-listed with: GRNS 325.

PATH 330. Pathology Rotations. 3-9 Credits.

Laboratory practicum for Pathology Master's students. Engages students in clinical and anatomic pathology laboratory rotations under supervision of attending physicians and senior residents in the University of Vermont Medical Center Pathology Department.

PATH 391. Master's Thesis Research. 1-18 Credits.

PATH 395. Special Topics. 1-18 Credits.

Special Topics in Pathology. Prerequisites: Graduate Students, Department Permission Immunology (MMG 223) desirable. Alternate year course with PATH 305.