

# PATHOLOGY

Office: 9374 Scott Hall; 313-577-1102  
<http://www.pathology.med.wayne.edu>

The discipline of pathology is a broadly based investigation of all aspects of the diseases that affect living systems. This includes the study of the underlying causes of disease, as well as the molecular and cellular mechanisms of the disease process. The goal of our Ph.D. program is to train students to be creative and successful scientists with a solid understanding of clinically relevant disease processes. Although broadly based, our Ph.D. program has a particular focus on the molecular and cellular mechanisms of cancer and metabolic diseases.

In the first semester, Pathology Ph.D. students join the first year Ph.D. students from all the Ph.D. programs at the medical school to take IBS 7015 during the first semester. In the subsequent semesters, each student follows a unique individualized plan of study designed to take into account previous educational experience, individual interests, and the student's thesis project research area. The program consists of a selected electives, small number of required courses, several research rotation projects, a qualifying examination, and a doctoral dissertation based on new and significant research findings.

ALI-FEHMI, ROUBA: M.D., Damascus University; Professor (Clinician-Educator)

ARTISS, JOSEPH D.: Ph.D., University of Windsor; Associate Professor Emeritus

AULICINO, MICHAEL: M.D., University of Michigan; Clinical Assistant Professor

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CRISSMAN, JOHN C.: M.D., Case Western Reserve University; Professor Emeritus

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FERNANDEZ-VALDIVIA, RODRIGO: Ph.D., Universidad Autonoma de Madrid; B.S., Universidad de San Agustin de Arequipa; Assistant Professor

FRIDMAN, RAFAEL: Ph.D., Hebrew University Medical School; Professor

GABALI, ALI M.: M.D., Dammam University (formerly King Faisal University); Ph.D., Rush University; Associate Professor

HABIB, LUZETTE: M.D., B.S., University of Michigan; Clinical Assistant Professor

HONN, KENNETH V.: Ph.D., Wayne State University; Distinguished Professor

JACQUES, SUZANNE M.: M.D., Indiana University School of Medicine; Professor (Clinician-Educator)

KANDOUZ, MUSTAPHA: Ph.D., Universite de Paris; Associate Professor

KIM, HYEONG-REH: Ph.D., Northwestern University; Professor

KUO, TUAN HUEY: Ph.D., Cornell University; Professor Emeritus

KUPSKY, WILLIAM J.: M.D., Harvard University; B.S., Massachusetts Institute of Technology; Professor (Clinician-Educator)

KUPSKY, WILLIAMS: M.D., Harvard Medical School; Professor Emeritus

LEFF, TODD: Ph.D., University of Indiana; Associate Professor

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REDDY, KALADHAR B.: Ph.D., Osmania University; Professor

SAKR, WAEL A.: M.D., University of Damascus; Professor

SALIMNIA, HOSSEIN: Ph.D., Laval University; Clinical Professor

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SYKES, ELIZABETH: M.D., Royal Free Hospital School of Medicine; Clinical Assistant Professor

WANG, JIAN: Ph.D., McGill University; Associate Professor

- Pathology (Ph.D.) (<http://bulletins.wayne.edu/graduate/school-medicine/programs/pathology/pathology-phd/>)

## PTH 7080 Special Topics in Pathology Cr. 1-15

Frontier areas in experimental pathology and clinical laboratory sciences. Format may be lecture, laboratory, or discussion; topics to be announced in Schedule of Classes. Offered Every Term.

**Restriction(s):** Enrollment is limited to Graduate level students.  
**Repeatable for 20 Credits**

## PTH 7085 Critical Review of Scientific Publications Cr. 1

For Ph.D. students in biomedical fields. Current experimental approaches in medical research. Offered Every Term.

**Restriction(s):** Enrollment is limited to students with a major in Pathology; enrollment limited to students in the PhD in Medicine program; enrollment is limited to Graduate level students.  
**Repeatable for 5 Credits**

**PTH 7890 Seminar Cr. 1**

Offered Yearly.

**Restriction(s):** Enrollment is limited to students with a major in Pathology; enrollment is limited to Graduate level students; enrollment limited to students in a Doctor of Philosophy degree.

**Repeatable for 25 Credits**

**PTH 8000 Current Topics in Tumor Metastasis Cr. 3**

Advances in research on key aspects of tumor metastasis; emphasis on molecular mechanisms, tumor invasion, angiogenesis, and organ-specific tumor metastasis. Offered Fall.

**Prerequisites:** IBS 7015 with a minimum grade of C

**Restriction(s):** Enrollment is limited to Graduate level students.

**PTH 9990 Pre-Doctoral Candidacy Research Cr. 1-8**

Research in preparation for doctoral dissertation. Offered Yearly.

**Restriction(s):** Enrollment is limited to Graduate level students.

**Repeatable for 12 Credits**

**PTH 9991 Doctoral Candidate Status I: Dissertation Research and Direction Cr. 3-9**

Offered Every Term.

**Restriction(s):** Enrollment is limited to Graduate level students.

**Repeatable for 9 Credits**

**PTH 9992 Doctoral Candidate Status II: Dissertation Research and Direction Cr. 1-18**

Offered Every Term.

**Prerequisite:** PTH 9991 with a minimum grade of S

**Restriction(s):** Enrollment is limited to Graduate level students.

**Repeatable for 18 Credits**

**PTH 9993 Doctoral Candidate Status III: Dissertation Research and Direction Cr. 7.5**

Offered Yearly.

**Prerequisite:** PTH 9992 with a minimum grade of S

**Restriction(s):** Enrollment is limited to Graduate level students.

**PTH 9994 Doctoral Candidate Status IV: Dissertation Research and Direction Cr. 7.5**

Offered Yearly.

**Prerequisite:** PTH 9993 with a minimum grade of S

**Restriction(s):** Enrollment is limited to Graduate level students.

**PTH 9995 Candidate Maintenance Status: Doctoral Dissertation Research and Direction Cr. 0**

Offered Yearly.

**Restriction(s):** Enrollment is limited to Graduate level students.

**Repeatable for 0 Credits**