

BIMS 813:
TOPICS IN THE MOLECULAR BASIS HUMAN DISEASE

Course Objective: The course will address the biologic/molecular mechanisms related to selected disease processes as they affect specific cell types, tissues, and/or organ systems. The format consists of weekly meetings of 2 hours in duration and each topic will be covered in 2 sequential sessions with a combination of informal didactic presentations by the faculty and journal article discussions (**3 pre-assigned papers *maximum***) by the students. Didactic-style presentation(s) are aimed at providing sufficient background on the relevant pathobiology, histopathology, and/or clinical manifestations for the students to read and discuss the literature assignments. A strong focus of the course will be the discussion of the basic pathobiologic processes and the contemporary biomedical translation of experimental science to the understanding and treatment of human diseases.

Enrollment: Enrollment will be limited to a total of 21 students with preference given to full-time graduate students in the Molecular Medicine Program, 1st year students in the Medical Scientist Training Program, and medical students participating in graduate research programs.

Credit: 2 units

Grading: Pass/Fail. Full-time graduate student enrollees will also receive a narrative evaluation of course performance that is based on participation in the literature discussions.

FALL 2003

**Thursday 3:00 PM – 5:00 PM, Old Medical School, 4th Floor
Room 4893 (Pathology Conference Room)**

September 11 & 18

Diabetes

Susanna Keller, M.D. (Internal Medicine)

Eugene Barrett, M.D., Ph.D. (Internal Medicine & Pediatrics)

September 25 & October 2

Microbial Pathogenesis

Erik Hewlett, M.D. (Internal Medicine, Clinical Pharmacology)

Barbara Mann, Ph.D. (Internal Medicine & Infectious Disease)

October 9 & October 16

Mitochondrial Dysfunction, Neurodegenerative Diseases and Therapeutic

James Bennett, M.D., Ph.D. (Neurology)
Russ Swerdlow, M.D. (Neurology)

October 23 & October 30

HIV & AIDS

Julie Turner, Ph.D. (Microbiology)
Brian Wispelway, M.D. (Internal Medicine & Infectious Disease)

November 6 & November 13

Cystic Fibrosis

Benjamin Gaston, M.D. (Pediatrics)
J. David Castle, Ph.D. (Cell Biology)

November 20 & December 4

Nuclear Receptors & PPAR-gamma and Atherosclerotic disease

Rosalie Uht, M.D., Ph.D. (Pathology)
Ian J. Sarembock, M.D., CH.B., M.B. (Internal Med & Cardiovascular
Med)