Cell 466

“Foundations of Pharmacology”

Catalog Description: This course covers the mechanisms by which drugs act in the body. Specific topics include basic pharmacokinetics, drug-receptor interactions, drug resistance, tolerance, toxicity, and drug interactions. The course integrates biology and chemistry by using examples of drug action on the autonomic and central nervous systems, cardiovascular & endocrine systems, as well as treatments of infections and cancer. Concepts from cell biology, anatomy, biochemistry, neurochemistry & physiology are covered.

Prerequisites: Four credits of biology and eight credits of chemistry including organic chemistry or equivalent, or permission of instructor.

Textbook: TBA

Specific Aims: 1. Students will describe basic pharmacokinetics of drugs. 2. Students will discuss:
   a. drug-receptor interactions
   b. drug resistance
   c. tolerance of drugs
d. toxicity of drugs
e. drug interactions


Class Schedule: Tu Th 11:00-12:15am
Class Room: TBA

Instructor: Katharine L Parrish, MD, PhD
Reily 141
504 247-1881
parrish@tulane.edu

Exams: This course is divided into three blocks of lectures. At the end of each block a progress exam will be given. All exams, including the final, are non-comprehensive and only cover material in the previous block of lectures. Exams will consists of multiple choice answer questions. All questions will be derived from material covered in class and in the book. Therefore, attendance is HIGHLY recommended.
Grading: (students registered for Cell 466) (3 credits)

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Phone Numbers:

Dr. Parrish (504) 247-1881

Honor Code: All students are expected to be familiar with and are required to adhere to all tenets of the Honor Code of the College of Liberal Arts and Sciences at Tulane University.