Pharmacology (PHR)
Program Goals

The student will carry out the following objectives for completion of the graduate program in pharmacology:

1. Demonstrate an advanced knowledge of pharmacology and a detailed comprehension of the student’s specialized field of pharmacology.
2. Illustrate critical and analytical thinking in studying literature, developing hypothesis, executing research, solving scientific problems, and interpreting results.
3. Effectively communicate research results and scientific information in an oral as well as verbal format to both scientific and lay audiences.
4. Demonstrate the ability to independently propose, defend and conduct research in pharmacology for the benefit of science and in the service to others.
5. Display ethical behavior with regard to professional conduct.
6. Exhibit skills that will educate and train others in the field of pharmacology.

The student may choose to concentrate his or her studies in numerous specialized areas of pharmacology. These areas include autonomic pharmacology, cardiovascular pharmacology, ocular pharmacology, renal pharmacology, exocrine pharmacology, immunopharmacy, neuropharmacology, toxicology, and cancer. Specific areas of interest include drug-receptor interactions, signal transduction, ion channel function, and molecular and tissue system approaches to studying receptors, signaling and gene function. It is important to note that the interdisciplinary nature of pharmacology offers the students a broad range of options for research endeavors.

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