COURSE ANNOUNCEMENT

Current Trends in Biomedical Sciences (BIOC 5106)

MWF 3:00 PM to 3:50 PM / B400 Biomedical Research Center I / 3 credit hours
Required for students in Biochemistry and Molecular Biology Track
Elective for students in other tracks

- Scientific literature-based course covering diverse themes in biomedical sciences
- Each thematic block of three scientific papers is led by an authority in the field
- Students will learn how to read, evaluate, and discuss scientific literature
- Small-group, highly interactive format for teaching and learning

This course is intended for graduate students early in their matriculation. It serves to bridge the gap between formal, didactic course work from textbooks and more advanced learning based on the primary scientific literature. The first, overall goal is to prepare students to read, evaluate, and critically analyze the scientific literature. The second, overall goal is to gain a breadth and depth of knowledge in contemporary aspects of biomedical sciences. Students will learn advanced concepts, including how sophisticated experimental technologies are used to define the underlying biology, etiology and treatment of human diseases.

One scientific paper will be assigned for each class period. Students will be required to read and study that paper before going to class. The instructor will lead discussions centered on the hypothesis or objectives, approach, results, conclusions and overall implications of the research. Grades will be assigned based on attendance and participation in class, and from performance on three written examinations.

For more information contact
Wayne P. Wahls, Ph.D
wahlswaynep@uams.edu