Current Trends in Biomedical Sciences (BIOC 5106)

Spring • 3 credit hours • MWF 3:00-3:50 PM

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

Small-group, highly interactive format for teaching and learning

Students will learn advanced concepts, including how sophisticated experimental technologies are used to define the underlying biology, etiology and treatment of human diseases.

Topics include: systems biology • single-cell RNA sequencing • role of microbiome in health and disease • cancer immunology • glycobiology • chromatin structure • DNA damage repair • chromosome instability in cancer • metabolism and nutrition • ribosome structure and function • integrative approaches to toxicology.

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