What is genomics? This field, broadly defined as the study of genes and their function, strives to characterize the complete genetic makeup of a wide array of organisms, and has applications in fields ranging from basic cell and molecular biology, to evolutionary biology, structural biology, pharmacology, human genetics and even forensics. This one credit laboratory course is designed to help students gain a better understanding of this broad field and its applications.

As part of this lab, students will walk through the basic process of genome sequencing as well as work with a national consortium of undergraduates annotating portions of the Drosophila genome (The genomics education partnership: http://gep.wustl.edu/). Students who complete their annotation project will be co-authors on a manuscript produced by this consortium. In other words, you will be involved in an ongoing research project being conducted as part of this teaching lab!!!

Who: Dr Wawersik (mjwawe@wm.edu)
When/where: Wednesdays 1:00–3:50 pm
Prerequisites: Molecular Genetics (Bio442) or Instructor permission