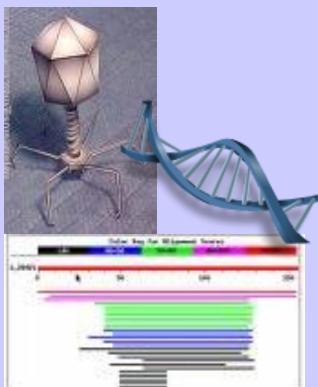


# Attention Freshman and Sophomores! YOU can be part of an authentic research laboratory experience

## Join the Genome Discovery and Exploration Program at WKU



### Fall Term

You will isolate and purify a bacteriophage from the environment and characterize it using a variety of laboratory techniques including electron microscopy and DNA analysis.

### Winter Break

Selected phage DNA samples will be sequenced.

### Spring Term

You will download the DNA sequence and use bioinformatics tools to identify genes and regulatory sequences (= genome annotation)

### ► What are the benefits to you?

- You will participate in a unique laboratory experience
- You will gain early exposure to authentic scientific research
- You will experience discovery and troubleshooting in real time
- You will gain skills in using state-of-the-art genomics research tools
- You can earn credit for Biol121, the introductory biology lab.
- You will gain confidence to pursue independent research

### ► How does the program work?

- This two-semester discovery science experience (first semester; 2 credit hours, second semester (Bioinformatics); 4 credit hours) gives you a chance to participate in authentic research. **APPLY NOW**, space is limited. This program draws on themes and techniques from biology, microbiology, molecular biology, genomics and bioinformatics. The Fall 2015 class meets Tues/Thurs. 2:20-4:20pm.
- Western Kentucky University is among a growing number of Universities that participate in this innovative program.

### ► How do I apply?

Go to our Web Page at: [http://www.wku.edu/biology/genome\\_discovery.php](http://www.wku.edu/biology/genome_discovery.php), and complete the application.

### ► For more information contact:

Dr. Rodney King; 270-745-6910; [rodney.king@wku.edu](mailto:rodney.king@wku.edu)

Dr. Claire Rinehart; 270-745-5997; [claire.rinehart@wku.edu](mailto:claire.rinehart@wku.edu)

