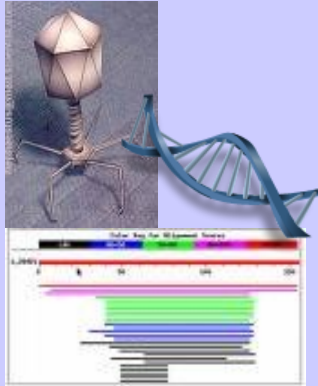


# Attention Freshman and Sophomores! YOU can be part of a unique introductory research laboratory experience

## Join the HHMI Science Education Alliance Phage Hunters 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

Your class will choose one purified DNA sample to send to the Joint Genome Institute for sequencing.

### 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

### ▶ How does the program work?

- This two-semester discovery science course (2 credit hours/semester) gives you a chance to participate in an authentic research experience. **APPLY NOW**, the class is limited to 20 students. It draws on themes and techniques from biology, microbiology, molecular biology, genomics and bioinformatics. The class (Biol 275) meets Tues/Thurs. 2:20-4:20pm.
- Western Kentucky University is among a select number of colleges and Universities chosen by HHMI to participate in this national experiment. This course is based on the innovative work of Dr. Graham Hatfull at the University of Pittsburgh.

### ▶ How do I apply?

Contact Dr. Rodney King (rodney.king@wku.edu) for an application

### ▶ For more information contact:

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