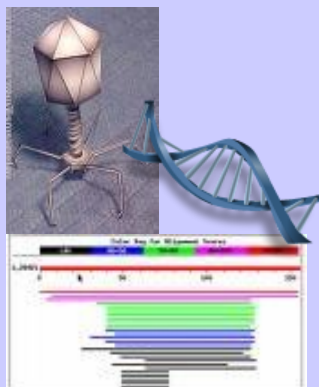


Attention Freshman and Sophomores! YOU can be part of an authentic research laboratory experience

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, and complete the application.

► For more information contact:

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