

**Bioscience Internship Course – Summer 2009-3
On Campus Research Opportunities
for Biotechnology Students**

Genome Sequencing
Dr. Edwin Gines-Candelaria
BSC-2943L
BioScience Internship (Ref# 588750)
Wolfson Campus

The research project's objective is to support national efforts to generate complete or partial coverage of microbial genome sequences. Students enrolling in the Bioscience Internship will characterize the Gram positive bacterium, *Clostridium taeniosporum*, by generating a partial or complete covering of the genome for this bacterium.

In this internship, students will learn how to manipulate and culture obligate anaerobes and generate genome DNA to analyze by high-throughput genomes sequencer. Collaborators at University of Texas will use isolated DNA to generate high fidelity genomic sequence data that students will assemble, annotate and analyze using tools available in the National Center for Biotechnology Information (NCBI).

Student commitment for this project will depend on interest and motivation. However and based on data from continuing students, it is usually 5-8 hours a week; depending on the week.

This project is funded through a National Science Foundation grant – “*The Biotechnology Research Learning Collaborative*”.

**IF YOU ARE INTERESTED IN ENROLLING IN THIS COURSE,
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