

Environmental Microbiology and Biotechnology

Sponsored by

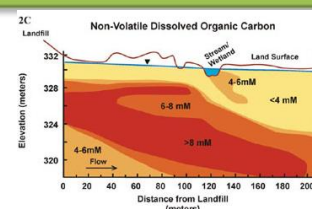
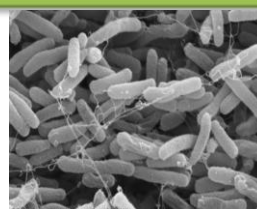
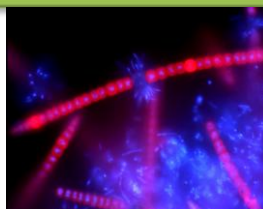


Topics to be covered:

- Cultivation and characterization of microorganisms
- Microbial ecology
- Anaerobic microbiology
- Decomposition of cellulose and other complex carbon substrates
- Nutrient cycling
- Bioremediation of hydrocarbons
- Biocorrosion of metal surfaces
- Biotechnological approaches to biofuels production
- Bioinformatics for analysis of genomic and metagenomic data

Hands on training in:

- Molecular biology
- Microscopy
- Fluorescent in situ hybridization
- Scanning and transmission electron microscopy
- Gas chromatography
- Bioassays
- Anaerobic microbiology



University of Oklahoma
Department of Botany and Microbiology

July 24 – August 5, 2011

- Lectures by prominent scientists from OU, OSU, and the Noble Foundation
- Laboratory exercises
- Field trips

Who can attend?

Students with sophomore or junior status from regional institutions in Oklahoma are encouraged to apply. (SWOSU, NSU, CU, UCO, RSU, LU, NWOSU, SEOSU ECU, OCCC, RCC)

How much will it cost? –Nothing.

Laboratory fees, room and board will be covered. A stipend will be awarded for meals and misc. expenses. Students must arrange transportation to and from the course.

For information or to apply contact:

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