

HELPFUL INFORMATION ABOUT THE 2008 BIOINFORMATICS SUMMER WORKSHOP

SUMMER WORKSHOP IN BIOINFORMATICS

Funded by: the National Science Foundation (MS-EPSCoR)

When: June 2,3,4,5 & 6 (M: 6PM Registration and dinner T-F: 9AM – 5PM daily)

Where: Mississippi State University, Starkville, MS

Deadline: April 1, 2008 **Applicants will know if they are accepted by April 15, 2008.**

Who: Participants of the workshop include grades 6-12 teachers, 2-yr and 4-yr instructors and faculty throughout Mississippi. Participants from any of the sciences, math, and/or technology areas will benefit. Contributors to the workshop include research and education faculty from institutions of the Mississippi Research Consortium (JSU, MSU, UM, USM).

What is provided:

- Introduction to emerging fields of bioinformatics
- Inquiry-based instruction
- Hands-on laboratory experience
- Research-based curriculum materials to take back to the classroom
- \$100/day professional fee (stipend)
- Lodging
- Travel (*reimbursement for mileage to and from the workshop; required paperwork will be given at the workshop*)
- Food (*participants will receive per diem for the 4-day workshop*)
- CEUs (*--- CEU's can be arranged at the workshop; CEUs will be arranged through USM and will be covered by the grant*)

Definitions: Although no definition can completely eliminate overlap with other activities or preclude variations in interpretation, the National Institutes of Health (NIH) states the working definitions of *Bioinformatics* and *Computational Biology* as follows:

Bioinformatics: Research, development, or application of computational tools and approaches for expanding the use of biological, medical, behavioral or health data, including those to acquire, store, organize, archive, analyze, or visualize such data.

Computational Biology: The development and application of data-analytical and theoretical methods, mathematical modeling and computational simulation techniques to the study of biological, behavioral, and social systems.