



## **2009 BIOINFORMATICS SUMMER WORKSHOP**

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

**When:** June 15, 16, 17, 18, 19, 2009

**Where:** Mississippi State University, Starkville, MS

**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
- 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 or Graduate Credit. (*will be arranged through USM and will be covered by the grant*)

### **Definitions:**

*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.