

ANNOUNCING

NSF-Funded 2009 GCAT DNA Microarray Workshop
For Faculty Teaching Undergraduates, Especially Minority-Serving Institutions (MSIs)

JULY 5 – JULY 11, 2009

Morehouse College, Atlanta, GA

www.bio.davidson.edu/projects/GCAT/Workshop_2009/workshop_2009.html

ORGANIZERS: Dr. A. Malcolm Campbell (Davidson College), Dr. Edison R. Fowlks (Hampton University), and members of the Genome Consortium for Active Teaching (**GCAT**; www.davidson.edu/GCAT). **APPLICATION RECEIPT DUE DATE: February 13, 2009**

DATES: We will offer two complete workshops - half wet lab/half dry lab. Workshop #1 will run July 6 - July 10, 2009; workshop #2 will run July 7 - July 11, 2009.

PURPOSE: Provide genomic training to faculty teaching high proportions of African American, Hispanic, Native American, and Pacific Islander Students. Faculty with similar ethnic backgrounds are also encouraged to apply. However, GCAT and the NSF do not set quotas and therefore *we accept all applications regardless of race or ethnicity*, and make our selection based on criteria published with the application materials. We will try to accommodate all qualified applicants.

VENUE: Morehouse College, Atlanta, GA. Housing in campus dormitories.

PLANNED ACTIVITIES: Introduction to microarrays; software training; hands-on experience with, data analysis; and wet-lab experiences with DNA microarray probe production and hybridization, including RNA and cDNA preparation.

EXPECTED OUTCOME: Workshop participants are expected to integrate microarray technology into their courses and/or student-research. Participants will be prepared to provide opportunities for undergraduates to work with real DNA microarray data so they can discover first hand how biology is an informational science, and organisms are complex systems.

COST: All expenses will be paid with one condition: You have to pay your own transportation in advance, but this expense will be reimbursed by a \$500 travel stipend after you submit a plan of action to incorporate what you have learned into your curriculum (course work and/or student research), and a copy of your plane ticket receipt. If you cannot afford to pay for the airfare in advance, we will accept petitions for exemption from this conditional funding. You will be expected to purchase the lowest possible airfare but petitions for special consideration will be considered. If you live within a 4 hour drive of the workshop venue, you are expected to take ground transportation and you will receive a \$200 travel stipend upon completion of the workshop and submission of a plan to use your new training. **APPLICATION RECEIPT DUE DATE: February 13, 2009**

SELECTION CRITERIA: Participants will be selected from applicants with an effort to maximize the impact on faculty who teach a high proportion of underrepresented students. GCAT and the NSF do not set quotas so we will accept all applications. We will try to accommodate all applicants.

SEND APPLICATIONS TO: Dr. Edison R. Fowlks, Professor, Department of Biological Sciences, 101 DuPont Hall, Hampton University Hampton, VA 23668 or **email** to DNAMICROARRAY@HAMPTONU.EDU or to maccampbell@davidson.edu

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