

NSF Graduate Fellowship Opportunity

Ohio University has received a five-year \$2.65M NSF GK12 grant to support nine graduate fellowships in the areas of engineering and sciences starting the summer of 2010. Each fellowship will provide the recipient with an annual stipend of \$30,000 plus four quarters of graduate tuition waivers that amount to \$20,668 based on out-of-state rate.

Please contact Dr. Tiao J. Chang for more information.



NSF GK12 BoKS Project Ohio University

*Dr. Tiao J. Chang, Principal Investigator
Civil Engineering Department, 147 Stocker Center,
Ohio University, Athens, OH 45701
Email: chang@ohio.edu*

Title of Project: New GK-12 (NSF 09-549)
The Boat-of-Knowledge in the Science Classroom (BooKS in Classroom)

PI/Co-PI:

Tiao J. Chang	Professor of Civil Engineering	College of Engineering
Kelly S. Johnson	Assoc. Professor of Biological Sciences	College of Arts & Sciences
Chang Liu	Assoc. Professor of Computer Science	College of Engineering
Teresa J. Franklin	Assoc. Professor of Educational Studies	College of Education.

School District Partners:

1. Marietta High School;
2. Athens High School;
3. Alexander High School;
4. Federal Hocking High School;
5. Meigs High School;
6. Southern High School;
7. Trimble High School;
8. Gallipolis High School.

NSF-supported STEM discipline(s): Engineering and Sciences.

Summary:
The BoKS in Classroom aims to enhance and broaden science and engineering education of graduate fellows, especially under-represented groups, at Ohio University and improve their communication skills through the proposed activities. Each year, nine graduate fellows will work with nine school teachers to conduct on-boat samplings and experiments related to their research along the Ohio River from Marietta to Gallipolis; these activities will be remotely transmitted to school classrooms through inquiry-designed activities to an online virtual Boat-of-Knowledge to build a sustainable curriculum. The project will enhance understanding of graduate fellows in their research and improve communication and presentation skills using hands-on activities from the river boat to classrooms, and provide professional development for teachers to enrich learning environments of high school students.