

Call for NSF GK-12 Fellows/Graduate Student Researchers

The CSU GK12 program (link to <http://csu-gk12.engr.colostate.edu/index.html>) **has 3 openings for research scholars (“Fellows”) and invites applications.**

The program involves designing a biosensor chip that will measure specific chemicals in the brain in an attempt to determine which chemicals are key to our brain development and which chemicals direct neurons to move during that development. The research and design of this biosensor requires the cooperation of professors and graduate Fellows in biology, biomedical engineering, chemistry, computer science, electrical and computer engineering, and mathematics. Full abstract (<http://csu-gk12.engr.colostate.edu/about/abstract.html>).

In addition to their academic studies, Fellows will be expected to work in their graduate research labs approximately 25 – 30 hours/week. They are also required to spend up to 10 hours per week in a K-12 classroom, working to increase the teachers’ content knowledge in a STEM discipline and developing and delivering lessons related to the project to high school students. Many of these lesson plans are then posted to this website for teachers across the country to use. This portion of the program is meant to develop the communication and teaching skills fellows will need in the future. Goals of the project (<http://csu-gk12.engr.colostate.edu/about/goals.html>)

For their participation in the grant, Fellows receive: \$30,000 stipend/year plus tuition, books, fees and student health insurance. Participation will begin June 1, 2011.

Eligibility:

MS or PhD student, preferably in their 2nd year, in Bioengineering, Math, Engineering, Computer Science, Chemistry, Biomedical Sciences, Biology or related discipline. Interested in contributing to this biosensor project through any/all of these associated fields.

To Apply:

Please submit your CV/Resume and cover letter indicating your area of research and why you would like to be part of this program to Brett Eppich Beal, Brett.Beal@colostate.edu; 970-491-7077 by 5 pm Friday, February 14, 2011.