



# GK-12 Rural Science Education Program



## **NSF GK-12 Graduate and Undergraduate Fellowships** **Rural Science Education Program at Oregon State University** *Integrating Biotechnology and Ecology into Rural Schools in Oregon*

Six graduate and six undergraduate fellowships are available in 2004- 05 for OSU students interested in enriching science education in rural schools near Corvallis. The graduate fellowship includes an assistantship for \$ 27,500\* (all inclusive) and a cost of education allowance up to \$10,500 to cover tuition and fees. Undergraduate students will receive \$ 5,000\* for the academic year and \$5000\* for the summer. \*Note: The 2004-2005 fellowships stipends are pending NSF budget approval.

### **Eligibility - NSF Fellows need to be:**

1. Graduates enrolled in a degree program at OSU during 2004-2005, or Junior or Senior Undergraduates who have completed at least 15 credits in biological science courses by Fall 2004. (Students that have applied to a graduate program at OSU are welcome to apply, however they will need to be accepted into the program before the fellowship can be offered).
2. Citizens, nationals or permanent residents of the United States.

The program seeks to provide an opportunity for improved communication and teaching skills in OSU students while spending time on important outreach to K-12 schools. NSF's intention is to fund students pursuing careers in science research. *All science graduate and undergraduates are eligible and encouraged to apply, irrespective of the careers they wish to pursue.*

### **Preference will be given to:**

1. Students from life sciences and agriculture related departments and sponsoring disciplines: Entomology, Botany & Plant Pathology, Crop & Soil Science, and Horticulture.
2. Students from groups underrepresented in higher education and math and science careers.
3. Students that have attended rural schools or those that have been involved in outreach activities in rural areas.
3. Students with science research experience.
4. Graduate students enrolled in a PhD program.
5. Students that work well in a team.

## *The Fellowship begins July 1, 2004 and ends June 30, 2005*

### **Responsibilities of NSF Fellows:**

1. Be on campus by July 1, 04 to complete summer training which will include coursework, an extensive workshop with participating K-12 teachers, planning time with K-12 teachers and development of a tentative year plan with mentor teachers.
2. Spend 5 hours each week in preparation, and 10 hours each week during K-12 semesters/terms providing science education in middle and high school in partnerships with science teachers. One graduate and one undergraduate will work as a team in each classroom. Undergraduates will assist but not 'work' for the graduate student in the team. School Districts in the program, may include: Falls City, Central Linn, Lebanon, and Central (Monmouth, Independence), and others that may join the program for 2004-2005.
3. Attend in CSS 405/505/605 for Fall, Winter and Spring Terms: (1 credit). Fellows will exchange experiences and obtain input and advice from program participants.
4. Spend 15 hours during the year in extended outreach programs such as Outdoor School, Salmon Bowl and SMILE (Science and Math Investigative Learning Experiences). These programs provide opportunities to participate at various times in a year.
5. Make presentations using videos, web pages, etc. on science curricula developed for K-12 classrooms to non-participating schoolteachers.
6. Participate in all aspects of program evaluation throughout the year.

### **For more information contact any of the following:**

Sujaya Rao, Principal Investigator                      541-737-9038  
[sujaya@oregonstate.edu](mailto:sujaya@oregonstate.edu)

Devora Shamah, Project Coordinator                      541-737-8062  
[devora.shamah@oregonstate.edu](mailto:devora.shamah@oregonstate.edu)

Or check the webpage: <http://cropandsoil.oregonstate.edu/gk12>



# GK-12 Rural Science Education Program



Application for NSF GK-12 Graduate and Undergraduate Fellowships

Rural Science Education Program at Oregon State University

**Please submit the following:**

1. Completed application form .
2. A copy of your transcripts (unofficial is acceptable).
3. A statement of purpose that highlights your interest and familiarity with rural education, your thoughts on K-12 science education, reasons for applying for the fellowship, evidence of good communication skills, and benefits you expect to accrue from the program.
4. Two letters, including one from your Academic Advisor / Major Professor, which address your academic and research abilities. For graduate students, the letter from the Major Professor must indicate his / her support of your 15 hr per week commitment to the GK-12 program during the fellowship period. Letters may be sent directly to the address below or sealed letters may be attached to application.

Applicants should be available for an interview, tentatively scheduled for the week of March 29 (out of state applicants can arrange for a phone interview).

**APPLICATION DEADLINE** Extended to: March 10, 5:00 PM

Please submit original application to:

by campus mail: Devora Shamah, CSS 3017 ALS.

or by US mail:

Devora Shamah, Department of Crop and Soil Science, Oregon State University,

Corvallis OR 97331



# GK-12 Rural Science Education Program



NSF GK-12 Rural Science Ed. Program at Oregon State University

## *Integrating Biotechnology and Ecology into Rural Schools in Oregon*

### Application Form

Name:

Last

First

Middle

Current Mailing address:

Phone:

Email:

Nationality: US citizen/National

Permanent Resident

Other

Ethnic Identity:

Asian American

Middle Eastern

American Indian or Alaskan Native

Native Hawaiian or other

Black, African American, Non-Hispanic

Pacific Islander

Hispanic American

North African

White, European American, Non-Hispanic

If other than above, please specify:

Number of years at OSU:

Expected year of graduation:

OSU student in 2004-05:

Graduate

Master's

PhD.

Undergraduate

Junior

Senior



Attended rural school:            Yes            No  
Involved in rural outreach activities:            Yes            No

If yes, please outline:

Experiences in scientific research . Please indicate dates of employment and numbers of hours worked per week. Volunteer work may be included.

Describe any teaching related activities you have done. Please include dates and number of hours worked per week. Volunteer work may be included.

Please briefly discuss how you will balance the significant time commitment of this program with your current studies towards your degree. (Remember you will be working with a team and will need to coordinate with your team both in the classroom and in preparation of your lessons.)

*My signature indicates that all information in my application is complete, factually correct and honestly presented.*

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Signature

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Date

*Be sure to include :*

- statement of purpose,*
- transcript*
- letters of recommendation*
- this application*

*Submit your complete application with the above materials by Friday, February 27, 2004 at 5:00 P.M. Applications need to be submitted to:*

*Devora Shamah, Project Coordinator, Dept. of Crop and Soil Science, 3017 ALS*

*Oregon State University, Corvallis OR 97331 (or to her office, Cord 4044).*