



BAYLOR  
UNIVERSITY

Dear Educator,

We would like to invite you to apply to participate in a special research opportunity and workshop for teachers to be held during the summer of 2015. The two-week event will be held July 6-10th and 13-17th 2015 at the Baylor Science Building (BSB) and the Baylor Research Innovation Collaborative (BRIC). Eligible teachers are those teaching the following subjects at the high school level: Chemistry, Biology, and Environmental Science. Teachers must commit to attend both weeks of the workshop.

This unique opportunity is part of the new Molecular Design Research Network (MoDRN), which is supported by the National Science Foundation. MoDRN is a Green Chemistry and Green Engineering project which seeks to answer the question: How can we reduce the toxicity of new chemical substances? Answering this question requires a cooperative approach among different scientific and engineering disciplines including biology, toxicology, chemistry, computer science, and environmental science. MoDRN is a partnership between Baylor University, the George Washington University, the University of Washington, and Yale University. You can read more about the project at <http://modrn.yale.edu>.

Local partners for the teacher workshop include Educational Service Center (ESC) Region 12, and professors from the Baylor School of Education. During the workshop, teachers will engage with MoDRN researchers, educators, and each other to develop and conduct research related to the topic of safer design of chemicals. Teachers will work in cooperative groups alongside Baylor researchers in the laboratory to design novel experiments that will answer teacher-generated hypotheses. We will also concentrate on aligning the projects with educational standards, and working together to develop activities appropriate for use in your classrooms.


Participating teachers will receive a competitive daily stipend and continuing professional education (CPE) hours will be provided by Region 12. **Space is limited so please apply as soon as possible.** Teachers will be selected for participation to ensure a balance of the three subject areas, diversity of schools, and by evaluation of application essay questions. We encourage teachers from the three subject areas within a campus to apply together (however, this is not required, and we recognize that campuses may not have all three subjects). We anticipate having an informational kick-off meeting in mid-January.

Sincerely,

  
Bryan W. Brooks, Ph.D.



Melissa Mullins, Environmental Education Specialist

  
Suzanne M. Nesmith, Ph.D.

  
Judy York, Education Specialist II, ESC R12

DEPARTMENT OF ENVIRONMENTAL SCIENCE

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