

## Who Could Benefit from Participating in the ACELL Project?

- Faculty involved in college- or university-level general chemistry laboratory instruction or curriculum development; and
- faculty interested in improving the general chemistry laboratory by learning more about research-based laboratory pedagogies.



## How to Apply:

Applications will be available in Fall 2011. The Chemistry Collaboration, Workshops, & Communities of Scholars (cCWCS) group will host the application process at [www.ccwcs.org](http://www.ccwcs.org).

## Expenses Covered:

- Four nights accommodation
- Up to \$250 travel reimbursement
- Workshop materials
- Working meals



## For more information, please contact:



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NSF-DUE #1023048



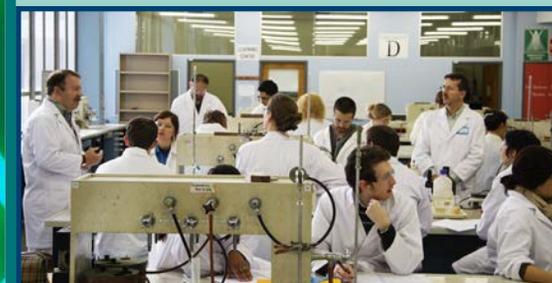
# ACELL

ADVANCING  
CHEMISTRY by  
ENHANCING  
LEARNING IN THE  
LABORATORY

## Summer Workshop

May 20 - 23, 2012

**Purdue University  
West Lafayette, IN**



Improving general chemistry  
laboratory instruction  
through faculty professional  
development

## Through participation in Project ACELL, general chemistry faculty will:

- Better understand issues related to learning in the laboratory environment
- Experience research-based laboratory pedagogies
- Work side-by-side with faculty and students from across the nation
- Critically examine laboratory activities from their home institutions
- Reflect on the role of the laboratory learning environment at their home institutions
- Become part of a community of scholars focused on improving general chemistry laboratory education



## A Unique Laboratory Learning Experience

Student participants are an important component of the ACELL professional development model.

During the ACELL summer workshop, faculty and undergraduate students will work together to learn more about research-based laboratory pedagogies.



## A Typical Workshop Day

Each morning, faculty and student participants will:

- Experience a research-based laboratory activity (i.e. a discovery lab, an inquiry lab, or a lab supported by the science writing heuristic)
- Discuss educational issues associated with learning in the laboratory environment, including the advantages and disadvantages of different laboratory teaching and learning styles

Each afternoon, faculty and student participants will:

- Complete a participant-submitted laboratory activity
- Compare and contrast the day's activities
- Suggest ways to improve student learning in the laboratory environment

