

# LIFE DISCOVERY – DOING SCIENCE

*Exploring Biology for a Changing World*

MARCH 15–16, 2013 – ST. PAUL, MINNESOTA



## Join us to transform Biology Education for the 21<sup>st</sup> century

Explore digital resources and new technologies for data exploration & curriculum design in biology education

- Ecology and Earth Systems Dynamics
- Evolution in Action
- Biodiversity and Ecosystem Services
- Structure and Function

Advanced Registration Rates:  
through 2/28/2013

[www.esa.org/ldc](http://www.esa.org/ldc)

Earn Continuing  
Education Units!

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## KEYNOTE SPEAKERS AND PANELS

### Building Partnerships with Scientists & Educators

**Jay B. Labov** is Senior Advisor for Education and Communication for the National Academy of Sciences (NAS) and the National Research Council (NRC).

### Building Pathways and Partnerships between K12 and College

**Jim MaKinster**; Hobart and William Smith Colleges, Geneva, NY  
**Kara Butterworth**; Clear Creek High School, Evergreen, CO  
**Gillian Roehrig**; University of Minnesota, St. Paul, MN

### Science of Life in a Changing World

**Carlos A. Botero**, a Distinguished Postdoctoral Fellow in the North Carolina State University Initiative for Biological Complexity

### Digital Resources and Learning for the Future

**Sam Donovan**; University of Pittsburgh, Pittsburgh, PA  
**Nancy Geving**; St. Paul Public Schools, St. Paul, MN

## SESSION TYPES

**Earn Continuing Education Units!**

[more details online.](#)

#### Workshops

Six hands-on workshops, available to all conference participants, designed to give participants hands-on experience to implement a particular technique or activity or develop innovative approaches to curriculum design.

#### Share Fair Roundtables

This allows for individuals to develop new lessons or to work on modifying currently existing lessons to a new grade level, teaching style, or learning objective(s).

#### Short Presentations

View descriptions of the short presentations, available to all conference participants. Presentations are 20 minutes followed by 20 minutes of Q&A.

#### Fieldtrips

Take part in a field trip to the Raptor Center, at the University of Minnesota.

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