*Showcasing Research and Education Projects
Supported by the National Science Foundation*

opportunities facing the United States.

The Coalition for National Science Funding (CNSF) is an alliance of over 125 organizations united by a concern for the future vitality of the national science, mathematics, and engineering enterprise. CNSF supports the goal of increasing the national investment in the National Science Foundation's research and education programs in response to the unprecedented scientific, technological, and economic

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Coalition for Academic Scientific Computation

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Federation of American Societies for Experimental Biology

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# Coalition for National Science Funding

## 19th Annual Exhibition and Reception

### Investments in STEM Research and Education: Fueling American Innovation

**Tuesday, May 7, 2013**

**Rayburn House Office Building**

**Washington, DC**

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American Educational Research Association
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# Coalition for National Science Funding

## 19th Annual Exhibition and Reception



### American Astronomical Society
*Large Synoptic Survey Telescope*
Suzanne Jacoby
LSST Corporation

### American Economic Association
*Improving Markets with Laboratory Experiments*
Prof. Douglas Davis
Virginia Commonwealth University

### American Mathematical Society
*The Boltzmann Equation: Mathematics and Science Collide*
Dr. Philip T. Gressman
University of Pennsylvania

### American Political Science Association
*Better Ballot Design*
Dr. Martha Kropf
University of North Carolina, Charlotte

### American Psychological Association
*Psychological Science: Helping Law Enforcement Improve Eyewitness Reliability*
Dr. Margaret Bull Kovera
John Jay College of Criminal Justice

### American Society for Microbiology
*The Ecology of Infectious Disease: Gulf of Mexico, Chesapeake Bay & Puget Sound*
Jay Grimes, Ph.D.
The University of Southern Mississippi

### American Society of Plant Biologists
*The making of the fruit: molecular studies of strawberry fruit formation*
Dr. Zhongchi Liu
University of Maryland

### American Sociological Association
*Infrastructure and Interdisciplinary Identity*
Stephen Zehr
University of Southern Indiana

### American Statistical Association
*Understanding Neural Networks through Statistics*
Genevera Allen
Rice University

### Association of Science - Technology Centers / Center for Advancement of Informal Science Education
*Showcasing EHR Grants: "Intersections" and "CAISE"*
Margaret Glass, Ph.D. and Kalie Sacco

### Boise State University
*NSF CAREER: Research at Boise State University*
*Dr. Jeffrey Johnson*

### Coalition for Academic Scientific Computation
*CASC Members Advancing STEM*
Dr. Curt Hillegas
Princeton University

### Computing Research Association
*Highlights from Computing*
Peter Harsha

### Council of Graduate Schools
*Minority PHD Completion in STEM Programs*
Michael Carver

### Federation of Associations in Behavioral & Brain Sciences
*Development of Brain Regions for Theory of Mind*
Rebecca Saxe, Ph.D.
Massachusetts Institute of Technology

### Institute for Computational and Experimental Research in Mathematics (ICERM)
*Preparing the Next Generation of Mathematical Scientists in Computational Research Fields*
Jan Hesthaven
Brown University

### IRIS Consortium
*Discoveries in Global Seismology*
Raymond Willemann

### Linguistic Society of America
*Seeing & Believing: Societal Impacts of Language Science*
Jeffrey Lidz, University of Maryland
Laura Ann Petitto, Gallaudet University

### Michigan State University
*Evidence Based Curriculum Reform: Development and Assessment*
Melanie Cooper, Sonia Underwood and Nicole Baker

### Museum of Science, Boston
*National Living Lab: Ask. Play. Learn.*
Marta Biarnes and Patti Curtis

### National Communication Association
*Mapping Cyberspace to Realspace*
Brian Spitzberg
San Diego State University

### National Ecological Observatory Network (NEON)
*NEON: Enabling Transformational Ecological Science*
Brian Wee

### NC State University
*ASSIST – Advanced Self-Powered Systems of Integrated Sensors and Technologies*
Veena Misra and John Muth

### The Ohio State University
*Using Nanoparticles to Diagnose Disease*
Jessica Winter

### Population Association of America
*The Luxembourg Income Study*
Dr. Janet Gornick
City University of New York

### Princeton University
*Iron Fertilization of Ocean Algae: It Has Happened Before*
Prof. Daniel M. Sigman

### Society for Industrial and Applied Mathematics
*Mathematical Models of Cancer Evolution*
Dr. Jasmine Foo
University of Minnesota

### Society for Research in Child Development
*Developing Early Interest and Skill in STEM*
David Uttal, Northwestern University
Catherine Haden, Loyola University

### University of California
*Tipping the Balance to STEM Teaching: Recruiting and Retaining Science and Math Teachers*
Dr. Arlene Russell

*Biology Inspired Materials for Armor, Energy and Environment*
Prof. David Kisailus

*Sierra Nevada Water Balance*
Dr. Martha Conklin

*Technology's Impact on Human Environments*
Bill Tomlinson, Jennie Williams Robinette and Leah Zani

### University of Colorado, Boulder
*Air-Water-Gas Sustainability Research Network*
Prof. Karl Linden, Jessica Dehart and Prof. Joseph Ryan

### University of Michigan
*Assessing the Social & Economic Impact of Federal R&D Funding*
Jason Owen-Smith

### University of Wisconsin-Madison
*North Temperate Lakes – Long Term Ecological Research*
Katherine McMahon

### Vanderbilt University
*Nanomaterials for Enabling Advanced Medicine*
Sharon Weiss