

Coalition for National Science Funding

13th Annual Exhibition & Reception

The Path to Innovation: Scientific Discovery and Learning

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Exhibitors

American Educational Research Association
*Supporting the Advancement of Science Education
with Geospatial Mapping*
William F. Tate
Washington University, St. Louis

**American Geological Institute/Geological Society of America
American Geophysical Union**
*Drilling Deep to Understand Climate Change, Earthquake
Hazards and Meteorite Impacts*
Julie Brigham-Grette and Jeff Plescia
University of Massachusetts–Amherst and Johns Hopkins University

American Institute of Biological Sciences
NEON: Ecological Discovery, Understanding & Forecasting
National Ecological Observatory Network (NEON)

American Mathematical Society
*Computational Models for Cardiovascular Disease
Assessment and Surgery Design*
Prof. Dalin Tang
Worcester Polytechnic Institute (WPI)

American Psychological Association
*Recognizing Emotion Across Cultures: Implications for
National Security and Conflict Negotiation*
Hillary Anger Elfenbein, Ph.D.

**American Society of Agronomy/Crop Science Society of
America/Soil Science Society of America**
Regional Grassland Carbon and Nitrogen Cycling
Rebecca McCulley
University of Kentucky

American Society of Limnology & Oceanography
Global Change Effects on Ocean Biology: An Experimental Approach
Dave Hutchins
University of Southern California

American Society of Plant Biologists
Structure and Biosynthesis of Plant Cell Walls
Prof. Nicholas Carpita
Purdue University

American Sociological Association
Visualizing U.S. Social Change
Andrew A. Beveridge, Ph.D.
Queens College and Grad Center – CUNY

Coalition for Academic Scientific Computation
Teaching & Learning at HPC Centers
Craig Stewart
Indiana University

Computing Research Association
Physical & Biological Computing
Lydia Kavraki
Rice University

Ecological Society of America
Promoting Environmental Science and Education in the Diverse Southwest
Laura Huenneke
Northern Arizona University

Federation of Behavioral, Psychological & Cognitive Sciences
NSF Collaboratories Transform Neuroscience Research and Education
Elliot Albers, Ph.D.
Georgia State University

Incorporated Research Institutions for Seismology (IRIS)
EarthScope Explores the Earth
David Simpson

Mathematical Association of America
Curing Cancer with Mathematics
Lisette DePillis
Harvey Mudd College

Michigan State University
*Plants as Biochemical Factories and Assembly
of the Photosynthetic Machinery*
Christoph Benning

**Museum of Science, Boston
National Center for Technological Literacy**
*Engineering is Elementary & Nano Informal Science
Education (NISE) Network*
Patti Curtis

Natural Science Collections Alliance

*Natural History Collections Establish Baselines for
Assessing Climate Change and Emerging Pathogens*

Joseph Cook, Ph.D.
University of New Mexico

Northwestern University

Nanoelectronic and Nanophotonic Materials and Devices
Prof. Mark C. Hersam

The Ohio State University

*REEL Ohio: Research Experiences to Enhance Learning –
An Ohio Experiment*
Dr. Prabir Dutta

Ornithological Council

Scientists Flock Together to Solve the Mysteries of Migration
Jill Deppe
Migration Interest Group: Research Applied Toward Education
(MIGRATE)

Population Association of America/Association of Population Centers

Immigration, Race and Wealth Gaps
Dr. Lingxin Hao

Princeton University

The Atacama Cosmology Telescope
Prof. Suzanne Staggs

Rutgers, The State University of New Jersey

*Transforming Products and Processes in the Pharmaceutical,
Neutraceutical and Agrochemical Industries*
Fernando Muzzio

Society for Research in Child Development

How Trustworthy Is Children's Testimony?
Maggie Bruck
Johns Hopkins University

University Corporation for Atmospheric Research (UCAR)

*The Climes They Are A- Changin': NSF Funded Climate
Research at NCAR*
Cindy Schmidt and Laura Curtis

University of California

"Pore on a Chip" Nanopores for Detecting Disease
Prof. Lydia Sohn
University of California, Berkeley

Emergence Matters: From Electron Flocks to Spider Webs

Daniel Cox
University of California, Davis

*Training Young Scientists for the Real World: From
Hollywood to National Security*

Dr. Mark Green
UCLA – Institute for Pure and Applied Mathematics

Wide Area Wireless Networking for Environmental Sensors

Dr. Frank Vernon
University of California, San Diego

*Science for Environmental Solutions: Leveraging
Information through Collaboration*

Dr. O. J. Reichman
University of California, Santa Barbara

University of Michigan

*Optimization of Automotive Greenhouse Gas
Policies and Materials Flows*
Prof. Steven Skerlos

University of Pittsburgh

*Biomolecules in the Gas Phase and Monitoring
Students in Tutorial Dialogue*
Dr. David W. Pratt and Dr. Diane J. Litman

University of Tennessee

Materials Science at the University of Tennessee
Dr. Ben Hu and Dr. Takeshi Egami

University of Wisconsin – Madison

IceCube Neutrino Observatory at the South Pole
Prof. Bob Morse, Dr. Hagar Landsman, John Kelley