



Showcasing Research and Education Projects Supported by the National Science Foundation

The Coalition for National Science Funding (CNSF) is an alliance of over 140 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. These programs increase and develop the knowledge base needed for pushing the frontiers of science, mathematics and engineering disciplines; contribute to the development of the future science and technology workforce; underpin new fields of inquiry; and promote interdisciplinary research and education -- all of which facilitate technological innovation.



COALITION FOR NATIONAL SCIENCE FUNDING

- Afterschool Alliance
- American Anthropological Association
- American Association for the Advancement of Science
- American Association of Dental Researchers
- American Association of Physics Teachers
- American Astronomical Society
- American Chemical Society
- American Educational Research Association
- American Geosciences Institute
- American Geophysical Union
- American Institute for Medical and Biological Engineering
- American Institute of Biological Sciences
- American Institute of Physics
- American Mathematical Society
- American Physical Society
- American Psychological Society
- American Political Science Association
- American Psychological Association
- American Society for Biochemistry & Molecular Biology
- American Society for Engineering Education
- American Society for Microbiology
- American Society of Agronomy
- American Society of Civil Engineers
- American Society of Mechanical Engineers
- American Society of Plant Biologists
- American Sociological Association
- American Statistical Association
- Arafune Government Relations Group
- Archaeological Institute of America
- Arctic Research Consortium of the U.S. (ARCUS)
- Associated Universities, Inc.
- Association for Psychological Science
- Association for the Sciences of Limnology & Oceanography
- Association for Women in Mathematics
- Association for Women in Science
- Association of American Geographers
- Association of American Medical Colleges
- Association of American Universities
- Association of Environmental & Engineering Geologists
- Association of Public and Land-grant Universities
- Association of Research Libraries
- Association of Science-Technology Centers
- Association of Universities for Research in Astronomy, Inc. (AURA)
- The Bagley Group, LLC
- Biophysical Society
- Boise State University
- Boston University
- Brown University
- California Institute of Technology
- Cavarocchi Ruscio Dennis Associates, LLC
- Coalition for Academic Scientific Computation
- Coastal and Estuarine Research Federation
- Computing Research Association
- Consortium for Ocean Leadership
- Consortium of Social Science Associations
- Consortium of Universities for the Advancement of Hydrologic Science
- Cornell University
- Council of Graduate Schools
- Council of Scientific Society Presidents
- Council on Food, Agricultural and Resource Economics
- Council on Undergraduate Research
- Crop Science Society of America
- Drinker Biddle & Reath LLP
- Duke University
- Earthquake Engineering Research Institute
- Ecological Society of America
- Entomological Society of America
- Federation of American Societies for Experimental Biology
- Federation of Associations in Behavioral & Brain Sciences
- Federation of Materials Societies
- Florida State University
- Genetics Society of America
- Geological Society of America

- Georgia Institute of Technology
- Harvard University
- IRIS Consortium
- Indiana University
- Institute of Electrical and Electronics Engineers (IEEE-USA)
- Lewis-Burke Associates LLC
- Linguistic Society of America
- Madison Associates LLC
- George Mason University
- Massachusetts Institute of Technology
- Materials Research Society
- Mathematical Association of America
- Michigan State University
- Museum of Science, Boston
- National Association of Marine Laboratories (NAML)
- National Communication Association
- National Council for Science and the Environment
- National Ecological Observatory Network (NEON)
- National Ground Water Association
- National Postdoctoral Association
- National Science Teachers Association
- National Society of Professional Engineers
- New Mexico Optics Industry Association
- North Carolina State University
- Northwestern University
- The Ohio State University
- Optical Society of America
- Oregon State University
- Ornithological Council
- Pennsylvania State University
- Population Association of America/Association of Population Centers
- Princeton University
- Rensselaer Polytechnic Institute
- ResearchAmerica
- Rutgers, The State University of New Jersey
- SAGE Publications Inc.
- Seismological Society of America
- Semiconductor Industry Association
- Society for American Archaeology
- Society for Historical Archaeology
- Society for Industrial and Applied Mathematics
- Society for Industrial and Organizational Psychology
- Society for Neuroscience
- Society for Research in Child Development
- Soil Science Society of America
- SPIE
- State University of New York System (SUNY)
- State University of New York at Stony Brook
- Stevens Institute of Technology
- Texas Tech University
- Tufts University
- UNAVCO
- University Corporation for Atmospheric Research
- University of California
- University of Chicago
- University of Cincinnati
- University of Colorado Boulder
- University of Florida
- University of Illinois
- University of Michigan
- University of Missouri System
- University of New Mexico
- University of New Orleans
- University of Pennsylvania
- University of South Carolina
- University of Wisconsin
- Vanderbilt University
- The George Washington University
- Washington Partners, LLC
- Washington State University
- Washington University in St. Louis
- Wells Consulting
- West Virginia University
- Woods Hole Oceanographic Institution

INVESTMENTS IN STEM RESEARCH & EDUCATION: FUELING AMERICAN INNOVATION



COALITION FOR NATIONAL SCIENCE FUNDING
21ST ANNUAL EXHIBITION AND RECEPTION
WEDNESDAY, APRIL 29, 2015
RAYBURN HOUSE OFFICE BUILDING
WASHINGTON, DC

- CO-SPONSORS**
- American Mathematical Society
 - Coalition for Academic Scientific Computation
 - Consortium of Social Science Associations
 - Federation of American Societies for Experimental Biology

- DONORS**
- American Psychological Society
 - The Ohio State University
 - Princeton University

Coalition for National Science Funding (CNSF)
1527 Eighteenth Street, NW Washington, DC 20036
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EXHIBITORS 2015

Afterschool Alliance

Relating Research to Practice in STEM Education
MELISSA BALLARD

American Astronomical Society

Disruptive Technology & Cosmology at 17,000 Feet
SUZANNE STAGGS and SARA SIMON
Princeton University

American Economic Association

Philanthropy, Volunteerism and Altruism
JONATHAN MEER
Texas A&M University

American Educational Research Association

Math Snacks: Teaching with Games
KARIN WIBURG and KAREN TRUJILLO
New Mexico State University

American Geosciences Institute/American Geophysical Union/ Geological Society of America

Building Coastlines: A Systems Approach to Deltaic Coastal Zones
Dr. DAVID MOHRIG, MATTHEW HIATT and ANASTASIA PILIOURAS
University of Texas at Austin

American Mathematical Society

Mathematical Algorithms for Tsunamis, Space Weather and Plasma Physics
Prof. KATHARINE GURSKI
Howard University

American Political Science Association

American National Election Studies: Understanding the Changing American Electorate
SIMON JACKMAN
Stanford University

American Psychological Association

Videotaping Interviews: Effects on Police, Suspects and Juries
SAUL KASSIN, PhD
Williams College and John Jay College of Criminal Justice

American Sociological Association

Collaboration in the Chemical Sciences
LAUREL SMITH-DOERR
University of Massachusetts, Amherst

American Statistical Association

SAMSI: Fostering Research Innovations in Statistics and Mathematics for Data-Centered Science
RICHARD SMITH, KIMBERLY KAUFELD and JESSI CISEWSKI
Statistical and Applied Mathematical Sciences Institute

Association of Science-Technology Centers Center for Advancement of Informal Science Education

Showcasing EHR Grants: "Intersections" and CAISE
MARGARET GLASS, PhD

Boise State University

Transforming STEM Teaching Culture to Engage the Next Generation
PATRICIA PYKE, JANA LAROSA and MARK RUDIN

Coalition for Academic Scientific Computation

HPC Centers & STEM
Dr. CURT HILLEGAS and Dr. RAJENDRA BOZ
Princeton University and Columbia University

Computing Research Association

Improved Collaboration with Industrial Robots
GREGORY HAGER, KEL GUERIN and SEBASTIAN RIEDEL
Johns Hopkins University

Council on Undergraduate Research

NSF IOS BP: Expanding Life Sciences Workforce
MARY CROWE and ELIZABETH AMBOS
Florida Southern College

Ecological Society of America

Stopping the Next Amphibian Apocalypse
Dr. KAREN R. LIPS
University of Maryland

Entomological Society of America

Uncovering the Secrets of Tick Biology: Benefits for Tick-borne Disease Control
R. MICHAEL ROE, PhD
North Carolina State University

Federation of Associations in Behavioral & Brain Sciences

Being Smart with Smartphones: Protecting User Privacy with Effective Risk Communication
ROBERT W. PROCTOR, PhD
Purdue University

IRIS Consortium

Seismological Facilities for the Advancement of Geoscience and EarthScope
BOB DETRICK

Mathematical Association of America

Characteristics of Successful Calculus Programs and PIC Math
JESS ELLIS and LINDA BRADY
Colorado State University

Michigan State University

Wearable, Self-powered Biosensors for Disease Detection and Health Monitoring
PETER B. LILLEHOJ and XIYUAN LIU

Museum of Science, Boston National Center for Technological Literacy

NISENet and Building with Biology
LARRY BELL and DAVID SITTENFELD

North Carolina State University

Using Math and Dogs to Improve Disaster Response
Dr. DAVID ROBERTS

Northwestern University

Structured Nanomaterials with Extraordinary Properties
TERI ODOM

The Ohio State University

Building Interactive Data Systems
Dr. ARNAB NANDI

Princeton University

Living Matter: How the Collective Motion of Tiny Cells Can Teach Us New Physics
JOSHUA W. SHAEVITZ, PhD

Society for Industrial and Organizational Psychology

Collaborative Research: Designing Teams to Maximize Innovation
Dr. STEPHEN ZACCARO
George Mason University

Society for Neuroscience

The Brain Basis of Multi-Tasking and Automaticity
MAXIMILIAN RIESENHUBER, PhD and CLARA SCHOLL, PhD
Georgetown University

Society for Research in Child Development

Supporting Science and Math Learning of Pre-K and Dual Language Learners
Dr. KIMBERLY BRENNEMAN and Dr. ALISSA LANGE
National Institute for Early Education Research, Rutgers University

Stevens Institute of Technology Center for Innovation in Engineering and Science Education

STEM Education Research at Stevens Institute of Technology
ARTHUR CAMINS

University of California

Better Living Through Computational Chemistry
HRANT P. HRATCHIAN
University of California, Merced

Empowering Minority Youth Through Mathematics
JULIE BERGNER
University of California, Riverside

University of Colorado Boulder

A Clearinghouse for Natural Hazards Research Applications
Prof. KATHLEEN TIERNEY

University of Illinois National Center for Supercomputing Applications

NSF Blue Waters
JOHN MELCHI and BRETT BODE

University of Michigan

Impact of Michigan I-Corps: Elegus Technologies
JOHN HENNESSY

West Virginia University

Bio/Nanointerfaces for Clinical and Technological Applications
Dr. CERASELA ZOICA DINU

