This report lists all grants approved by the Foundation between January 1, 2014 and December 31, 2014. Grants are listed by program area, then by descending amount. Listed for each grant is the name and location of the grantee institution, the purpose of the grant, the amount awarded, and the project director responsible for executing the grant.

This interim grant listing anticipates the publication of the 2014 Alfred P. Sloan Foundation Annual Report. The 2014 Alfred P. Sloan Foundation Annual Report will contain descriptions of all Sloan Foundation grantmaking programs, expanded descriptions of major grants approved, financial information about the Foundation’s assets and investment performance over 2014, and a listing of staff members and members of the Board of Trustees. The 2014 Alfred P. Sloan Foundation Annual Report will be available on the Sloan Foundation website in summer 2015.
Deep Carbon Observatory

Missouri University of Science and Technology
ROLLA, MO
$34,388 over 9 months to provide partial support for a workshop on indoor chemistry.
Project Director: Glenn Morrison, Professor

Carnegie Institution of Washington
WASHINGTON, DC
$2,250,000 over 24 months to continue supporting the Deep Carbon Observatory international secretariat.
Project Director: Robert Hazen, Executive Director, Deep Carbon Observatory

Rensselaer Polytechnic Institute
TROY, NY
$750,000 over 24 months to continue to lead the data science and management dimensions of the Deep Carbon Observatory.
Project Director: Peter Fox, Tetherless World Constellation Chair

University of Rhode Island
KINGSTON, RI
$750,000 over 24 months to continue building the Deep Carbon Observatory as a model program in its internal community networking and external engagement.
Project Director: Sara Hickox,

Columbia University
NEW YORK, NY
$650,000 over 36 months to support seven field studies integral to the success of the Deep Carbon Observatory.
Project Director: Peter Kelemen, Vice Chair of Earth & Environmental Sciences

Smithsonian Institution
WASHINGTON, DC
$599,862 over 24 months to advance jointly the modeling and visualization of deep carbon.
Project Director: Elizabeth Cottrell, Director of the Global Volcanism Program

American Geosciences Institute
ALEXANDRIA, VA
$101,375 over 25 months to increase participation of underrepresented minority geoscientists in the Deep Carbon Observatory.
Project Director: Heather Houlton, Workforce Development Specialist

University of California, Berkeley
BERKELEY, CA
$78,172 over 12 months to conduct a workshop on one of the decadal questions of the Deep Carbon Observatory, “Is the net flux of carbon into or out of Earth?”
Project Director: Barbara Romanowicz, Professor

Rutgers, The State University of New Jersey
PISCATAWAY, NJ
$75,000 over 14 months to organize and conduct the second international workshop of early career scientists involved in the Deep Carbon Observatory.
Project Director: Donato Giovannelli, Post Doctoral Associate

University of Texas, Austin
AUSTIN, TX
$75,000 over 12 months to advance use of existing scientific collections for Deep Carbon Observatory projects and curation of samples.
Project Director: Beverly DeJarnett, Research Science Associate IV
Microbiology of the Built Environment

**University of California, Berkeley**
BERKELEY, CA
$1,445,238 over 24 months to understand the microbiology of the built environment through interdisciplinary research that combines microbial ecology, particle transport physics, chemistry, and architecture.
Project Director: Thomas Bruns, Professor

**University of Ottawa**
OTTAWA, ON
$586,500 over 24 months to provide renewed support to increase knowledge of fungi in the built environment.
Project Director: Keith Seifert, Professor

**National Academy of Sciences**
WASHINGTON, DC
$500,000 over 20 months to provide partial support for a consensus study of the microbiology of the built environment.
Project Director: Katherine Bowman, Senior Program Officer

**University of Colorado, Boulder**
BOULDER, CO
$446,000 over 24 months to provide renewed support to organize and convene two conferences on the Microbiology of the Built Environment.
Project Director: Mark Hernandez, Professor

**University of Tulsa**
TULSA, OK
$390,000 over 30 months to determine how ventilation and cleaning influence the microbial communities in indoor air and on surfaces.
Project Director: Richard Shaughnessy, Director, Indoor Air Program

**University of California, Berkeley**
BERKELEY, CA
$330,476 over 18 months to understand the microbial community response to water damage in residential buildings.

**University of California, Davis**
DAVIS, CA
$307,443 over 24 months to examine the seasonal nature of the built environment microbiota in wine- and cheese-making facilities.
Project Director: David Mills, Professor

**Virginia Polytechnic Institute and State University**
BLACKSBURG, VA
$250,000 over 24 months to develop new knowledge about how design, operational parameters, and engineering interventions shape the building plumbing microbiome in conventional and green buildings.
Project Director: Amy Pruden, Professor

**University of Toronto**
TORONTO, ON
$249,550 over 24 months to determine the impact of moisture on fungal growth on common indoor surfaces.
Project Director: Jeffrey Siegel, Associate Professor

**University of Colorado, Boulder**
BOULDER, CO
$1,000,000 over 24 months to provide improved tools for data analysis, including better user interfaces, protocols, and standards.
Project Director: Robin Knight, Professor

**University of Texas, Austin**
AUSTIN, TX
$169,929 over 16 months to determine how the microbiome and air quality inside portable classroom buildings are affected by ventilation conditions and building design.
Project Director: Kerry Kinney, Professor

**University of California, Davis**
DAVIS, CA
$120,000 over 24 months to examine the role of the built environment as a venue for microbial cross inoculation between infants.
Project Director: Zachery Lewis, Graduate Student

The Forsyth Institute
CAMBRIDGE, MA
$120,000 over 24 months to examine the microbiomes of indoor track facilities and the runners who train indoors versus outdoors.

Project Director: Brian Klein, Postdoctoral Fellow

University of Michigan
ANN ARBOR, MI
$120,000 over 24 months to examine the regulation of the microbial community structures in drinking water, from source to tap.

Project Director: Sarah Haig, Research Fellow

Syracuse University
SYRACUSE, NY
$120,000 over 24 months to understand and control biofilms in the built environment.

Project Director: Huan Gu, MoBE Postdoctoral Fellow

National Academy of Sciences
WASHINGTON, DC
$75,000 over 22 months to provide partial support for a study on the effects of disasters on biomedical academic research that will include preparedness guidance for researchers, institutions, and sponsors.

Project Director: Bruce Altevogt, Senior Program Officer, Institute of Medicine

International Society for Indoor Air Quality and Climate
SANTA CRUZ, CA
$70,000 over 11 months to support the Sloan Symposium at Healthy Buildings 2015 Europe.

Project Director: Hal Levin, Research Architect

University of Maryland, Baltimore
Baltimore, MD
$44,942 over 24 months to foster metadata collection and analysis across the Microbiology of the Built Environment program.

Project Director: Lynn Schriml, Assistant Professor

Illinois Institute of Technology
CHICAGO, IL
$25,447 over 10 months to support a May 2014 workshop: Building Science to Advance Research in the Microbiology of the Built Environment Program.

Project Director: Brent Stephens, Assistant Professor

J. Craig Venter Institute
ROCKVILLE, MD
$20,000 over 12 months to provide partial support for a training course in microbial ecology for early-career scientists.

Project Director: Barbara Methé, Professor

American Association for the Advancement of Science
WASHINGTON, DC
$16,284 over 3 months to provide supplemental support for a one-day symposium on Microbiology of the Built Environment that was postponed due to the October 2013 federal government shutdown.

Project Director: Mark Milutinovich, RCP Program Director

Cold Spring Harbor Laboratory
COLD SPRING HARBOR, NY
$15,500 over 5 months to provide partial support for a workshop on enabling undergraduate research at the interface between high performance computing and genomics, genetics, and other areas of "big data" biology.

Project Director: David Micklos, Executive Director

University of California, Berkeley
BERKELEY, CA
$66,269 over 15 months to support an October 2014 workshop "Fungi in the Built Environment: Next Steps".

Project Director: Rachel Adams, Project Scientist
**Sloan Digital Sky Survey**

**Astrophysical Research Consortium**

SEATTLE, WA

$3,500,000 over 38 months to support the Sloan Digital Sky Survey IV to design, build, and install an infrared astronomical spectrograph for the Apache Point Observatory Galactic Evolution Experiment 2 (APOGEE-2) at the du Pont Telescope in Las Campanas, Chile in order to study the history and formation of the Milky Way galaxy.

**Project Director:** Michael Blanton, SDSS-IV Director

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**Synthetic Biology**

**Woodrow Wilson International Center for Scholars**

WASHINGTON, DC

$500,000 over 21 months to transition the activities of the Synthetic Biology Project either to successful closure or to sustainability.

**Project Director:** Todd Kuiken, Senior Scientist

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**National Academy of Sciences**

WASHINGTON, DC

$9,558 over 5 months to provide partial support for a symposium “Risks and Benefits of Gain-of-Function Research.”

**Project Director:** Frances Sharples, Director, Board on Life Sciences

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**Other STEM Research Grants**

**University of California, Irvine**

IRVINE, CA

$793,006 over 36 months to engage mathematicians and cryptographers in developing efficient and secure methods of computing on encrypted data.

**Project Director:** Alice Silverberg, Professor of Mathematics and Computer Science

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**Mathematical Sciences Research Institute**

BERKELEY, CA

$100,000 over 11 months to support a national festival that increases the appreciation of mathematics and mathematical research.

**Project Director:** David Eisenbud, Director

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**Missouri University of Science and Technology**

ROLLA, MO

$34,388 over 9 months to provide partial support for a workshop on indoor chemistry.

**Project Director:** Glenn Morrison, Professor

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**J. Craig Venter Institute**

ROCKVILLE, MD

$125,000 over 20 months to assess and apply lessons learned from DNA screening guidelines.

**Project Director:** Sarah Carter, Policy Analyst

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**International Council for the Life Sciences**

MCLEAN, VA

$65,000 over 12 months to review and discuss international regulations governing environmental release of organisms produced by synthetic biology.

**Project Director:** Terence Taylor, President
Science of Learning STEM

**National Academy of Sciences**
WASHINGTON, DC
$150,000 over 24 months to report on the science and practice of learning by revising and extending the book How People Learn.
Project Director: Barbara Wanchisen, Director

**National Bureau of Economic Research, Inc.**
CAMBRIDGE, MA
$120,557 over 37 months to study the persistence of high-achieving underrepresented minority students in STEM majors at highly-ranked colleges and universities after participation in summer enrichment programs for rising high school seniors and to test novel and cost-effective data collection techniques and a randomized control design.
Project Director: Joshua Angrist, Ford Professor

**Barnard College**
NEW YORK, NY
$115,888 over 14 months to update the existing content and plan for an extensive renovation of the website, www.reducingstereotypethreat.org, to increase its effectiveness in reducing the experience and consequences of stereotype threat.
Project Director: Steven Stroessner, Professor of Psychology

**National Academy of Sciences**
WASHINGTON, DC
$92,319 over 24 months to provide partial support for a convocation and dissemination activities on the evidence, models, and implications of replacing standard laboratory courses with discovery-based research courses in the STEM undergraduate curriculum.
Project Director: Jay Labov, Senior Advisor for Education & Communication

**University of Michigan**
ANN ARBOR, MI
$69,246 over 12 months to provide the impetus for a committed group of researchers to complete an analysis of STEM teaching, learning, and student outcomes, particularly as they are affected by the design of undergraduate courses and student research opportunities.
Project Director: Margaret Levenstein, Research Scientist

**Association of Public and Land-Grant Universities**
WASHINGTON, DC
$20,000 over 12 months to explore innovative and effective ways to engage senior tenure-line faculty in physics and chemistry in pedagogical reform of upper division courses at research high or research very high universities.
Project Director: Kacy Redd, Director, Science & Mathematics Education Policy

**Business-Higher Education Forum**
WASHINGTON, DC
$20,000 over 8 months to develop the goals, organizational structure, membership, and activities for a New York City Data Science Task Force focused on understanding the regional workforce requirements in data science, and creating or expanding undergraduate educational and research opportunities aligned to these requirements.
Project Director: Isabel Cardenas-Navia, President, Alta Vision

**Texas A&M University**
COLLEGE STATION, TX
$10,000 over 5 months to plan workshops on implementing, evaluating, and disseminating techniques for active and inquiry-based mathematics learning in higher education.
Project Director: Ronald Douglas, Distinguished Professor
Education and Advancement for Underrepresented Groups

**National Action Council for Minorities in Engineering, Inc.**
WHITE PLAINS, NY
$2,071,038 over 36 months to provide scholarship funds for the Sloan Indigenous Graduate Partnership (SIGP) for three years, to be managed by the National Action Council for Minorities in Engineering.
*Project Director: Aileen Walter, Vice President, Scholarship Management*

**University of Kansas**
LAWRENCE, KS
$124,999 over 21 months to examine the data and literature on under-representation of women in Computer Science (CS) degrees and Information Technology (IT) careers.
*Project Director: Donna Ginther, Professor of Economics*

**University of Texas, Austin**
AUSTIN, TX
$124,949 over 17 months to better understand the historical development of IT education in the United States and its role in creating a diverse workforce.
*Project Director: William Aspray, Bill and Lewis Suit Professor of Information Technologies*

**University of Minnesota**
MINNEAPOLIS, MN
$115,000 over 18 months to document a notable time period in the participation of women and computing through oral histories of middle-rank professional women employed by three major U.S. corporations.
*Project Director: Thomas Misa, Professor*

**Social Science Research Council**
NEW YORK, NY
$125,000 over 18 months to develop plans for a MPHDI Alumni Mentoring Network and pilot a limited number of activities and professional development opportunities for graduates of the Minority Ph.D. (MPHDI) Program with an initial focus on those who have positions in higher education.
*Project Director: Mary McDonnell, Executive Director*

**University of Washington**
SEATTLE, WA
$45,987 over 13 months to write a review paper that identifies the reasons for women’s underrepresentation in computing and provides recommendations for the most promising ways to remedy this underrepresentation.
*Project Director: Sapna Cheryan, Assistant Professor*
Computing Research Association  
WASHINGTON, DC  
$33,840 over 17 months to gain insight into the representation of women in the computing field through an in-depth analysis of available data from key national surveys, with emphasis on trends in women’s representation at different educational levels and different areas.
  
Project Director: Stuart Zweben, Professor Emeritus

Georgia Institute of Technology  
ATLANTA, GA  
$23,386 over 12 months to identify and analyze existing data and trends on women faculty in computing; 2) identify and analyze the relevant research literature; and 3) identify and characterize the organizations that support women as faculty in computing.
  
Project Director: Mary Fox, ADVANCE Professor

Computing Research Association  
WASHINGTON, DC  
$20,000 over 6 months to provide support enabling approximately 16 PhD graduate students to attend the 2015 CRA--Women Grad Cohort in San Francisco, CA on April 10-11, 2015.
  
Project Director: Kathryn McKinley, Principal Researcher

Margot Lee Shetterly  
HAMPTON, VA  
$50,000 over 12 months to support the research and writing of a book on the female African American mathematicians who worked at NASA over six decades.
  
Project Director: Margot Shetterly, Project Director

David Baron  
BOULDER, CO  
$50,000 over 14 months to support the research and writing of a book on the 1878 solar eclipse and how it helped create a culture of science in America.
  
Project Director: David Baron, Author

Yale University  
NEW HAVEN, CT  
$25,000 over 12 months as support for supplementary images, drawings and video in an interdisciplinary course book on physics and dance.
  
Project Director: Emily Coates, Lecturer

Maura R. O’Connor  
BROOKLYN, NY  
$13,000 over 9 months to support a book on the science and ethics of conservation biology with a focus on extinction and de-extinction.
  
Project Director: Maura O’Connor, Author

Kevin Davis  
CHICAGO, IL  
$10,250 over 12 months for the research and writing of a book on the intersection of criminal law and neuroscience for a general audience.
  
Project Director: Kevin Davis, Author

Julie Wosk  
NEW YORK, NY  
$4,525 over 4 months to support enhanced illustrations in a print and electronic book about how our changing representation of artificial women reflect both changing technologies and our changing attitudes toward women.
  
Project Director: Julie Wosk, Professor

PUBLIC UNDERSTANDING OF SCIENCE, TECHNOLOGY, AND ECONOMICS

Books

Richard Rhodes  
HALF MOON BAY, CA  
$125,000 over 12 months to support the research and writing of a book on the history of energy transitions for a general audience to be published by Simon & Schuster.
  
Project Director: Richard Rhodes, Writer

Margot Lee Shetterly  
HAMPTON, VA  
$50,000 over 12 months to support the research and writing of a book on the female African American mathematicians who worked at NASA over six decades.
  
Project Director: Margot Shetterly, Project Director

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Project Director: Julie Wosk, Professor
Film

Film Independent, Inc.
LOS ANGELES, CA
$665,995 over 36 months to provide direct support to develop science and technology scripts through a Producer’s Lab and Fast Track film financing and to start a fund to incentivize distribution of completed Sloan films and other science-worthy features.
Project Director: Jennifer Kushner, Director of Artist Development

National Academy of Sciences
WASHINGTON, DC
$600,000 over 36 months to sustain and strengthen the Science & Entertainment Exchange and the role of science in Hollywood and provide support and exposure for the Sloan Film Program.
Project Director: Ann Merchant, Deputy Executive Director

Film Independent, Inc.
LOS ANGELES, CA
$381,053 over 5 months to support the triennial Sloan Film Summit, a three-day event of screenings, panels, staged readings, project updates, and networking opportunities and community building for Sloan film grantees.
Project Director: Jennifer Kushner, Director of Artist Development

Columbia University
NEW YORK, NY
$266,939 over 29 months to encourage the next generation of filmmakers to write screenplays and produce short films about science and technology.
Project Director: Trey Ellis, Associate Professor

Hamptons International Film Festival
EAST HAMPTON, NY
$186,467 over 12 months to provide final support toward a program to develop qualifying screenplays towards production and spotlight feature films with science and technology themes and characters at the Hamptons International Film Festival.
Project Director: Anne Chaisson, Executive Director

Barnard College
NEW YORK, NY
$25,000 over 11 months to screen Decoding Annie Parker and hold a panel discussion as a way of highlighting women in STEM fields at the Athena Film Festival.
Project Director: Kathryn Kolbert, Constance Hess Williams Director

New Media

The Phillips Collection
WASHINGTON, DC
$75,000 over 12 months to support an exhibition, public programs, and a book about the mathematical significance of the artist Man Ray’s work.
Project Director: Wendy Grossman, Associate Curator

Women Make Movies, Inc.
NEW YORK, NY
$50,000 over 10 months to support two animated short films about current scientific research that will be distributed on the web.
Project Director: Flora Lichtman, Co-Director

Library Foundation of Los Angeles
LOS ANGELES, CA
$20,000 over 4 months to support a science essay, panels with scientists, and other programs exploring the scientific underpinnings of Homer’s The Odyssey, part of a month-long series of programs, lectures, and events using libraries to bring the two cultures of science and the arts together around great works of literature.
Project Director: Kenneth Brecher, President

Radio

SoundVision Productions
BERKELEY, CA
$789,044 over 17 months to support the radio broadcast of BURN: An Energy Journal to enhance understanding of energy and energy-related issues through
public radio specials, podcasts, features for national news shows, and infographics and multimedia online content.

**Project Director:** Bari Scott, Executive Director

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New York Public Radio

**NEW YORK, NY**

$400,000 over 24 months as support for a health care reporting unit at WNYC, Appointment with Reform, focusing on the economics and policy of our healthcare system and the impact of the Affordable Care Act on consumers in New York.

**Project Director:** Jim Schachter, Vice President of News

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American Museum of Natural History

**NEW YORK, NY**

$354,000 over 12 months as support for the popular science talk show StarTalk hosted by Neil deGrasse Tyson.

**Project Director:** Neil Tyson, Executive Producer

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PRX Incorporated

**CAMBRIDGE, MA**

$300,000 over 12 months as support for a three-pronged approach to developing and disseminating new science and technology content for a new generation of radio producers and listeners via nontraditional broadcast, digital, and mobile platforms.

**Project Director:** Jake Shapiro, CEO

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Greater Washington Educational Telecommunications Association Inc.

**ARLINGTON, VA**

$1,000,000 over 19 months to support the production of a six-hour PBS documentary with Ken Burns on the past, present, and future of cancer science based on the award-winning book Emperor of All Maladies, and associated outreach.

**Project Director:** Dalton Delan, Executive Vice President & Chief Operating Officer

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WGBH Educational Foundation

**BOSTON, MA**

$1,000,000 over 33 months For a two-hour NOVA special about black holes hosted by astrophysicist Janna Levin, and ancillary outreach activities and a free mobile app.

**Project Director:** Paula Apsell, Senior Executive Producer

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WNET

**NEW YORK, NY**

$1,000,000 over 15 months to produce ten hour-long episodes on "Brain Science and Society" co-hosted by Charlie Rose and Eric Kandel, to be broadcast on PBS and Bloomberg and made available online.

**Project Director:** Charlie Rose, Host & Executive Producer

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Greater Washington Educational Telecommunications Association Inc.

**ARLINGTON, VA**

$500,000 over 15 months to increase coverage of the NewsHour’s Making Sen$e program by one-third and make it a weekly broadcast with a designated regular time slot.

**Project Director:** Sara Just, Executive Producer

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CUNY TV Foundation

**NEW YORK, NY**

$457,200 over 12 months to pilot a 13-part TV series co-hosted by a journalist and a scientist that reviews the latest movies and television shows, with an emphasis on the science angle.

**Project Director:** Robert Isaacson, President

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University of Texas, Austin

**AUSTIN, TX**

$50,000 over 6 months to produce a 5- to 7-minute demo reel and revised treatment for a 6-part PBS series “Energy at the Movies”.

**Project Director:** Michael Webber, Deputy Director, Energy Institute
**Theater**

**L.A. Theatre Works**  
**VENICE, CA**  
$500,000 over 24 months to record four new science-themed Sloan plays for public radio broadcast and online streaming, to develop new digital products based on previous play recordings and to maximize visibility and access to all science plays for the public, for libraries and for schools.  
*Project Director:* Susan Loewenberg, Producing Director

**Manhattan Theatre Club**  
**NEW YORK, NY**  
$125,000 over 5 months for production support for Manhattan Theatre Club’s science-themed Broadway play Constellations featuring a theoretical physicist as a main character.  
*Project Director:* Annie MacRae, Sloan Project Manager

**ECONOMIC PERFORMANCE AND QUALITY OF LIFE**

**Economic Institutions, Behavior, & Performance**

**University of Michigan**  
**ANN ARBOR, MI**  
$999,785 over 36 months to establish an independent, scientific, and comprehensive source of detailed information about the results of public and private investments in science.  
*Project Director:* Jason Owen-Smith, Professor

**Harvard University**  
**CAMBRIDGE, MA**  
$992,018 over 36 months to promote interdepartmental, intergovernmental, and international cooperation on policy-relevant research by behavioral scientists.  
*Project Director:* Max Bazerman, Jesse Isidor Straus Professor of Business Administration

**Massachusetts Institute of Technology**  
**CAMBRIDGE, MA**  
$868,954 over 30 months to develop tools that are computationally, administratively, and legally practical for conducting privacy preserving research on social science datasets.  
*Project Director:* Micah Altman, Director of Research

**National Bureau of Economic Research, Inc.**  
**CAMBRIDGE, MA**  
$667,316 over 36 months to promote interdepartmental, intergovernmental, and international cooperation on policy-relevant research by behavioral scientists.  
*Project Director:* Shane Greenstein, Kellogg Prof of Information Technology

**Stanford University**  
**STANFORD, CA**  
$617,665 over 27 months to develop two new surveys of subjective business expectations and conduct research on the sources and consequences of business uncertainty.  
*Project Director:* Nicholas Bloom, Professor of Economics

**The Brookings Institution**  
**WASHINGTON, DC**  
$600,000 over 36 months to present accessible, reliable, and influential research through the Brookings Papers on Economic Activity.  
*Project Director:* Justin Wolfers, Visiting Fellows, Economic Studies

**New York University**  
**NEW YORK, NY**  
$588,205 over 43 months to model how the capitalization and regulation of financial institutions interact with the macroeconomy.  
*Project Director:* Robert Engle, Michael Armellino Professor of Finance
The Australian National University
CANBERRA, AUSTRALIA
$583,646 over 18 months to improve teaching and research in quantitative economics through the development of compelling, open, and reproducible models using Python.
Project Director: John Stachurski, Professor

Princeton University
PRINCETON, NJ
$577,544 over 36 months to study how the psychology of scarcity and slack has implications for behavioral and traditional economics.
Project Director: Eldar Shafir, William Stewart Tod Professor of Psychology and Public Affairs

Stevens Institute of Technology
HOBOKEN, NJ
$433,647 over 12 months to develop both a viable set of open source algorithms that describe financial contract types, as well as a community that will develop, fund, use, and maintain an even more comprehensive set.
Project Director: Khaldoun Khasahanah, Director, Financial Engineering

University of Pennsylvania
PHILADELPHIA, PA
$275,527 over 22 months to study how knowledge generated by research and development spills over through innovation networks.
Project Director: Ufuk Akcigit, Assistant Professor

University of California, Berkeley
BERKELEY, CA
$124,992 over 13 months to apply behavioral insights to labor economics, particularly through the design of unemployment insurance schemes.
Project Director: Stefano DellaVigna, Assistant Professor of Economics

University of Michigan
ANN ARBOR, MI
$115,204 over 12 months to plan the design and testing of secure multi-party computing systems for the statistical analysis of private data.

Project Director: George Alter, Director of Interuniversity Consortium for Political and Social Research

Princeton University
PRINCETON, NJ
$115,000 over 24 months to connect and train graduate students from around the world who are beginning dissertation research on macro-financial models.
Project Director: Markus Brunnermeier, Edward S. Sanford Professor of Economics

Haverford College
HAVERFORD, PA
$98,486 over 30 months to teach undergraduate social scientists about integrity, transparency, and reproducibility in empirical research.
Project Director: Richard Ball, Associate Professor of Economics

National Bureau of Economic Research, Inc.
CAMBRIDGE, MA
$93,150 over 27 months to study productivity in higher education through the analysis of institutions and markets.
Project Director: Caroline Hoxby, Scott & Donya Bommer Professor of Economics

Massachusetts Institute of Technology
CAMBRIDGE, MA
$80,000 over 10 months to organize and run a workshop on technical, practical, and research questions about big data privacy.
Project Director: Daniel Weitzner, Research Scientist

The United States Studies Centre
UNIVERSITY OF SYDNEY, AUSTRALIA
$54,870 over 2 months to help launch the first international conference on applying behavioral insights to public policy.
Project Director: Bates Gill, CEO

University of North Carolina, Chapel Hill
CHAPEL HILL, NC
$49,975 over 24 months to study the motivation and impact of science philanthropy as practiced by high-net-worth individuals.
Project Director: Maryann Feldman, Distinguished Professor

Industrial Organizational Society, Inc.
EAST LANSING, MI
$20,000 over 24 months to support graduate student presentations at the International Industrial Organization Conference.
Project Director: Joseph Harrington, Professor

Stanford University
STANFORD, CA
$20,000 over 12 months to develop and workshop a multidisciplinary research agenda on rethinking regulatory economics.
Project Director: Margaret Levi, Director at CASBS

Working Longer

National Opinion Research Center
CHICAGO, IL
$987,258 over 24 months to increase the amount and quality of news coverage on the economics of working longer, by extending the AP-NORC Center’s education, research, and public outreach for two additional cycles.
Project Director: Trevor Tompson, Principal Research Scientist & Director

Stanford University
STANFORD, CA
$862,416 over 36 months to foster more research and policy discussion about changing labor market institutions to accommodate increased longevity through a conference series and a post-doc/first sabbatical program.
Project Director: John Shoven, Director, SIEPR

Columbia University
NEW YORK, NY
$663,141 over 18 months to enhance and expand the scope of the Age Smart Employer Awards.
Project Director: Ruth Finkelstein, Associate Director, CAC-ILC

University of Michigan
ANN ARBOR, MI
$620,292 over 24 months to advance measurement of income, work activity, spending, assets, and debt by producing and analyzing a new data infrastructure based on the transactions and balances of individuals and use this infrastructure to study economic behavior and economic well-being of older Americans.
Project Director: Matthew Shapiro, Research Professor

Boston College
CHESTNUT HILL, MA
$498,556 over 24 months to inform decisions that affect the labor force activity, employment opportunities, and retirement security of older Americans, accounting for differences in socio-economic status.
Project Director: Alicia Munnell, Director

RAND Corporation
SANTA MONICA, CA
$378,666 over 24 months to investigate the role of psychological factors in individuals’ planning and subsequent decisions about the timing and staging of their transition from work to retirement.
Project Director: Andrew Parker, Senior Behavioral/Social Scientist

National Academy of Social Insurance
WASHINGTON, DC
$375,000 over 15 months to help Americans understand how they can enhance their long-term retirement security by delaying Social Security benefits, when feasible.
Project Director: Virginia Reno, Vice President for Income Security Policy

National Bureau of Economic Research, Inc.
CAMBRIDGE, MA
$373,750 over 24 months to continue research on facilitating work at older ages, building on a set of studies already completed under a previous grant.
Project Director: David Wise, Area Director, Health & Retirement Programs
Cornell University  
ITHACA, NY  
$307,604 over 24 months to identify the effect of public policies that promote extended employment on the health of older Americans.  
Project Director: Maria Fitzpatrick, Assistant Professor

Boston College  
CHESTNUT HILL, MA  
$124,950 over 13 months to determine the feasibility of creating a sustainable multidisciplinary aging and work research network.  
Project Director: Jacquelyn James, Interim Co-Director, Center on Aging & Work

The Graduate Center of The City University of New York  
NEW YORK, NY  
$112,928 over 16 months to create a profile of older workers in critical unionized industries in New York City and an inventory of the current policies and practices of the unions representing them, in order to assess the extent to which the collective bargaining is - or could become - an effective mechanism for addressing the challenges of the aging workforce.  
Project Director: Ruth Milkman, Academic Director

National Opinion Research Center  
CHICAGO, IL  
$108,880 over 6 months to assess the demand among potential audiences for a Working Longer Resource Center that would catalog, synthesize, and disseminate the body of research on the economics of working longer and the aging workforce, making it accessible to those who are in a position to use the information to assess outcomes for older Americans.  
Project Director: Trevor Tompson, Principal Research Scientist & Director

University of Massachusetts Medical School  
WORCESTER, MA  
$97,750 over 24 months to conduct a national conference to identify and disseminate generalizable principles, strategies, interventions, and tools that can be used to advance faculty career flexibility in medical schools throughout the career lifecycle from recruitment through retirement.  
Project Director: Luanne Thorndyke, Vice Provost for Faculty Affairs

University of Michigan  
ANN ARBOR, MI  
$74,444 over 15 months to understand the trend of health and socioeconomic position of early retirees by examining a nationally representative survey of older adults over a 15-year period.  
Project Director: Hwajung Choi, Research Investigator

Colorado State University  
FORT COLLINS, CO  
$20,000 over 15 months to analyze data from the Health and Retirement Study and the Occupational Information Network to study novel research questions regarding workers’ perceptions of their work ability or job-related capacity and labor force participation among older workers.  
Project Director: Gwenith Fisher, Assistant Professor

Yale University  
NEW HAVEN, CT  
$15,383 over 12 months to understand low and variable levels of female political representation in the United States.  
Project Director: Frances Rosenbluth, Professor

Other Economics Grants

National Bureau of Economic Research, Inc.  
CAMBRIDGE, MA  
$534,750 over 48 months to study interventions for increasing the number of undergraduate women majoring in economics.  
Project Director: Claudia Goldin, Henry Lee Professor of Economics

The Conversation  
WEST NEWTON, MA  
$400,000 over 24 months to inform conversations about economics by editing and publishing publicly accessible articles by academics about their research.  
Project Director: Andrew Jaspan, Treasurer
Center for American Progress  
WASHINGTON, DC  
$125,000 over 3 months to advance the state of public dialogue on the challenges facing working women and their families.  
Project Director: Jocelyn Frye,

Digital Information Technology  

Data and Computational Research  

Mozilla Foundation  
MOUNTAIN VIEW, CA  
$819,480 over 15 months to build educational resources, prototype tools, and foster an ongoing dialogue between the open web community and researchers in order to make science more open, collaborative, and efficient.  
Project Director: Kaitlin Thaney, Director of the Mozilla Science Lab

Indiana University  
BLOOMINGTON, IN  
$748,000 over 36 months to fund early career fellowships that support work with the Research Data Alliance on projects that promote data sharing.  
Project Director: Beth Plale, Director, Data to Insight Ctr & Professor

Adler Planetarium  
CHICAGO, IL  
$707,648 over 18 months to support a sustainable future for the rapidly expanding Zooniverse platform through an engaged and empowered community of citizen scientists.  
Project Director: Christopher Lintott, Project Lead

The University of Chicago  
CHICAGO, IL  
$499,156 over 12 months to facilitate more efficient movement, management, and sharing of research data.

University of California, Berkeley  
BERKELEY, CA  
$301,383 over 18 months to develop open source R software and training to support various parts of the research process including data publication, data integration, and reproducibility.  
Project Director: Karthik Ram, Assistant Researcher

The Miami Foundation Inc  
MIAMI, FL  
$260,000 over 12 months to grow Dat, a system for real-time replication, transformation, and versioning of large tabular data sets, into a vibrant, healthy open source project.  
Project Director: Max Ogden, Computer Programmer

University of Wisconsin, Madison  
MADISON, WI  
$180,535 over 36 months to conduct a set of case studies on the sustainability of social science data archives.  
Project Director: Kristen Eschenfelder, Director

Columbia University  
NEW YORK, NY  
$125,000 over 18 months to demonstrate the effectiveness of supporting collaborative teams of data-driven researchers within a university.  
Project Director: Kathleen McKeown, Director, IDSE & Professor of Computer Science

Johns Hopkins University  
BALTIMORE, MD  
$125,000 over 18 months to amplify and accelerate data-driven research across Johns Hopkins University.  
Project Director: Sandor Szalay, Alumni Centennial Professor of Physics & Astronomy
University of Michigan
ANN ARBOR, MI
$125,000 over 18 months to build institutional capacity in support of data science at the University of Michigan, and to increase understanding of the barriers to success of interdisciplinary data-centric research projects.
Project Director: Carl Lagoze, Associate Professor of Information

Creative Commons
MOUNTAIN VIEW, CA
$63,250 over 7 months to survey and evaluate open hardware licensing options, with an emphasis on distributed sensing hardware.
Project Director: Puneet Kishor, Manager

New York University
NEW YORK, NY
$15,000 over 5 months to support a workshop and hackathon on crowdfunding and scientific projects.
Project Director: Nancy Hechinger, Faculty

Northwestern University
EVANSTON, IL
$15,000 over 6 months to partially support the 2015 Computational Sociology Summit.
Project Director: Brian Uzzi, Faculty Director, Kellogg Architectures of Collaboration Initiative

New York Public Library
NEW YORK, NY
$41,568 over 7 months to set an agenda to expand historical geodata production and determine a research and development plan for the next five years.
Project Director: Matthew Knutzen, Geospatial Librarian

University of Maryland, College Park
COLLEGE PARK, MD
$19,858 over 7 months to partially support a meeting to share best practices and opportunities in scholarly crowdsourcing across the sciences and humanities.
Project Director: Neil Fraistat, Director

Columbia University
NEW YORK, NY
$19,385 over 6 months to support a workshop on the history of data science and the use of data in the history of science more broadly.
Project Director: Matthew Jones, James R. Barker Professor of Contemporary Civilization

Northwestern University
EVANSTON, IL
$15,000 over 6 months to partially support the 2015 Computational Sociology Summit.
Project Director: Brian Uzzi, Faculty Director, Kellogg Architectures of Collaboration Initiative

Drexel University
PHILADELPHIA, PA
$11,500 over 4 months to Support a workshop on data remediation and taxonomy strategies for cross-platform, citizen science inventory interoperability and geospatial and badging integrations.
Project Director: Youngmoo Kim, Director

Data & Society Research Institute
NEW YORK, NY
$10,000 over 2 months to organize and run a workshop on the social, cultural, and ethical dimensions of big data.
Project Director: Danah Boyd, President

NumFOCUS
AUSTIN, TX
$10,000 over 6 months to partially support a summit of grassroots organizations that foster diversity in the technology sector.
Project Director: Gregory Wilson, Executive Director, Software Carpentry Foundation

New York University
NEW YORK, NY
$15,000 over 6 months to run a workshop and associated hack day on strategies and tools for cross-platform identity and contribution management in citizen science.
Project Director: François Grey, Professor
Scholarly Communication

**Harvard University**
CAMBRIDGE, MA
$845,000 over 24 months to make empirical research more reliable and replicable by helping academic journals process, publish, and preserve datasets accompanying article submissions.
Project Director: Gary King, University Professor, Director

**Hypothesis Project**
SAN FRANCISCO, CA
$683,000 over 18 months to support further development and pilot adoption of the hypothes.is web annotation platform.
Project Director: Dan Whaley, President

**Johns Hopkins University**
BALTIMORE, MD
$602,039 over 24 months to design and launch a data curation infrastructure that provides a graph-based view of the relationships between publications and data.
Project Director: G. Choudhury, Associate Dean for Research Data Management

**Association of Research Libraries**
WASHINGTON, DC
$500,000 over 18 months to support the initial development and launch of the SHARE Notification System, a structured way to report and notify parties of research release events.
Project Director: Elliott Shore, Executive Director

**George Mason University**
FAIRFAX, VA
$481,340 over 14 months to support extensive outreach in conjunction with continued refinement of the PressForward software platform in order to produce curated overlay publications for scientific communities.
Project Director: Sean Takats, Director, Research Projects/Associate Professor

**University of Montreal**
MONTREAL, QC
$359,991 over 24 months to support greater understanding of social media in scholarly communication and the actual meaning of various altmetrics.
Project Director: Vincent Larivière, Canada Research Chair on the Transformations of Scholarly Communication

**University of Oklahoma**
NORMAN, OK
$351,844 over 24 months to build an open-access, digital research platform for the global history of science community centered on data from the Isis Bibliography of the History of Science.
Project Director: Stephen Weldon, Assistant Professor

**University of California, Office of the President**
OAKLAND, CA
$266,958 over 12 months to promote research data sharing by enhancing the usability (design, functionality, and user experience) of existing community repositories.
Project Director: Stephen Abrams, Associate Director, UC Curation Center

**American Mathematical Society**
PROVIDENCE, RI
$139,688 over 12 months to develop semantic capabilities for open source systems that display mathematics on the World Wide Web.
Project Director: Donald McClure, Executive Director

**Foundation for Earth Science**
RALEIGH, NC
$124,995 over 15 months to explore adoption of RFID tracking at professional society meetings in order to improve the network connections among attendees.
Project Director: Erin Robinson, Executive Director

**American Anthropological Association**
ARLINGTON, VA
$79,986 over 12 months to develop an open source platform to manage scholarly book reviews.
Project Director: Oona Schmid, Director, Publishing
Foundation for Earth Science  
RALEIGH, NC  
$20,000 over 3 months to partially support a workshop on software citation.  
Project Director: Erin Robinson, Executive Director  

Hypothesis Project  
SAN FRANCISCO, CA  
$20,000 over 6 months to partially support the 2015 IAnnotate workshop on current and future directions for web annotation.  
Project Director: Dan Whaley, President  

Adler Planetarium  
CHICAGO, IL  
$16,380 over 6 months to support the dotAstronomy workshop and to explore the extension of its model into other fields.  
Project Director: Robert Simpson, Communications Lead, Zooniverse  

FORCE11  
SAN DIEGO, CA  
$15,000 over 3 months to partially support the 2015 Future of Research Communication and e-Scholarship conference.  
Project Director: Maryann Martone, President  

Universal Access to Knowledge  

Wikimedia Foundation  
SAN FRANCISCO, CA  
$3,000,000 over 60 months As a final grant to bolster Wikipedia’s readership and editors, including more women, expand its mobile presence, and strengthen its technical infrastructure as it moves to self-sustainability.  
Project Director: Lisa Gruwell, Executive Director  

New York Botanical Garden  
BRONX, NY  
$1,155,244 over 20 months As support for the New York Botanical Garden to digitize 20,000 plant species records and to become a major Content Hub for the Digital Public Library of America (DPLA), while co-heading World Flora Online, the first complete online scientific resource for all Earth’s 350,000 plant species.  
Project Director: William Thomas, Elizabeth G. Britton Curator of Botany  

SELECT ISSUES

Energy & Environment  

Environmental Defense Fund Incorporated  
NEW YORK, NY  
$627,125 over 10 months to conduct two scientific research projects on the environmental impacts of shale gas and shale oil exploration by studying wastewater characterization and treatment and examining methane losses from natural gas end users.  
Project Director: Steven Hamburg, Chief Scientist  

Duke University  
DURHAM, NC  
$249,951 over 19 months to continue public finance research to understand comprehensively the key fiscal issues faced by local governments experiencing new or increased shale oil and shale gas development.  
Project Director: Richard Newell, Professor  

American Academy of Arts and Sciences  
CAMBRIDGE, MA  
$200,000 over 30 months to research the durability and adaptability of energy and environmental policy regulation through five case studies focused on the Clean Air Act.  
Project Director: Ann Carlson, Professor, Faculty Co-Director, Vice Dean
Carnegie Endowment for International Peace
WASHINGTON, DC
$149,997 over 12 months to tie off ongoing efforts to develop an objective assessment methodology for distinguishing between legitimate peaceful nuclear activity and illegitimate nuclear weapons activities.
Project Director: George Perkovich, Vice President for Studies

University of Colorado, Denver
DENVER, CO
$106,943 over 18 months to map the political landscape of national politics on hydraulic fracturing in the United States and draw lessons between North America and Europe about the politics of hydraulic fracturing and the research methods for studying political systems.
Project Director: Tanya Heikkila, Associate Professor

University of Texas, Austin
AUSTIN, TX
$75,000 over 8 months to enhance analysis of the Marcellus Shale productivity outlook by reducing ranges of uncertainty for geologic mapping and gas production profiles.
Project Director: Svetlana Ikonnikova, Researcher

Harvard University
CAMBRIDGE, MA
$60,000 over 11 months to improve processes for the assessment of social science research related to climate change and communicate the results of assessments effectively to policymakers.
Project Director: Robert Stavins, Albert Pratt Professor of Business & Government

Massachusetts Institute of Technology
CAMBRIDGE, MA
$60,000 over 12 months to provide final support for the International Nuclear Leadership Education Program (INLEP) to train private and public sector executives from emerging nuclear countries and to become financially self-sustaining over the next year.
Project Director: Richard Lester, Department Head

University of Minnesota Foundation
MINNEAPOLIS, MN
$55,000 over 4 months to organize a conference by the Heller-Hurwicz Economics Institute to develop the next generation of economic models of climate change.
Project Director: Varadarajan Chari, Director

Columbia University
NEW YORK, NY
$50,000 over 12 months to continue support for the Center on Global Energy Policy’s external speaker series to inform public debate about critical energy issues.
Project Director: Jason Bordoff, Founding Director

National Academy of Sciences
WASHINGTON, DC
$50,000 over 27 months to provide partial support for a consensus study to evaluate the Advanced Research Projects Agency – Energy (ARPA-E) Program.
Project Director: Paul Beaton, Program Officer

University of Texas, Austin
AUSTIN, TX
$50,000 over 14 months to provide partial support to examine the national potential for using flared natural gas to treat wastewater at shale oil production sites.
Project Director: Michael Webber, Deputy Director, Energy Institute

Stanford University
STANFORD, CA
$45,000 over 9 months to support the Program on Energy and Sustainable Development in the organization of a conference titled “The Financialization of Energy and Environmental Markets”.
Project Director: Frank Wolak, Professor

University of California, Berkeley
BERKELEY, CA
$29,800 over 20 months to bring together world-renowned energy economists to discuss and explore new research ideas on energy markets.
Project Director: Lucas Davis, Associate Professor
International Energy Policy and Programme Evaluation Conference
BIRMINGHAM, ENGLAND
$20,000 over 8 months to accelerate and advance the profession of energy evaluation through instilling an interest in and connections to professional evaluation of energy programs and policies by enabling graduate students to attend the IEPPEC Conference at no charge.
Project Director: Charles Michaelis, President

New York University
NEW YORK, NY
$12,500 over 6 months to organize a roundtable workshop by the Guarini Center on Environmental, Energy & Land Use Law at NYU School of Law to fill a knowledge gap in the United States as to the design, implementation and performance of the United Kingdom’s innovative approach to electricity regulation.
Project Director: Richard Stewart, University Professor & John E. Sexton Prof. of Law

Stanford University
STANFORD, CA
$10,500 over 6 months to support the Precourt Energy Efficiency Center to provide stipends to junior faculty and post-doctoral fellows to attend the 2014 Behavior, Energy, and Climate Change (BECC) Conference in Washington, DC.
Project Director: James Sweeney, Director & Professor

International Science Engagement

Institute of International Education
NEW YORK, NY
$750,000 over 36 months to provide life-saving fellowships and academic placements for persecuted scholars from around the world.
Project Director: Daniela Kaisth, Vice President

CIVIC INITIATIVES

Research Foundation of the City University of New York
NEW YORK, NY
$1,126,925 over 36 months to provide renewed support to encourage promising early career scientists at both student and faculty levels through two awards programs: a Summer Undergraduate Research program and a Junior Faculty Research Award program.
Project Director: Gillian Small, Vice Chancellor for Research

New York University
NEW YORK, NY
$709,654 over 36 months to identify, motivate, and nurture mathematical talent through after-school activities in New York City’s underserved neighborhoods.
Project Director: Selin Kalaycioglu, Clinical Associate Professor of Mathematics

Columbia University
NEW YORK, NY
$250,000 over 24 months to determine the microflora of mice in proximity to densely populated and high-traffic areas in New York City.
Project Director: W. Lipkin, John Snow Professor of Epidemiology & Director

New York University
NEW YORK, NY
$125,000 over 14 months to provide renewed support for a cyber security lecture series in New York City.
Project Director: Robert Ubell, VP/Dean of Technology Based Learning

Philanthropy New York
NEW YORK, NY
$100,000 over 12 months to fund a new initiative to meet the philanthropic community’s needs for the decade to come with enhanced meeting facilities, improved communications and technological capacity, increased programming, deeper public policy engagement, and strengthened fiscal stability in a new era of increased visibility and expectations for the philanthropic sector.
Project Director: Kathryn O’Neal-Dunham, Chief Operating Officer
New York Hall of Science  
CORONA, NY  
$75,000 over 12 months to establish the new Alan J. Friedman Center for the development of young scientists.  
Project Director: Priya Mohabir, Deputy Director  

Council on Foundations, Inc.  
ARLINGTON, VA  
$45,000 over 12 months to support work on behalf of the nonprofit and charitable community.  
Project Director: Vikki Spruill, President and CEO  

Open Space Institute  
NEW YORK, NY  
$20,000 over 6 months to identify and employ the most appropriate technology to equip the performance space at Riverbank State Park to better serve the Harlem community.  
Project Director: Erik Kulleseid, Senior Vice President  

New York University  
NEW YORK, NY  
$20,000 over 12 months to provide partial support for the Cyber Security Program for High School Women.  
Project Director: Nasir Memon, Department Head  

American Regions Mathematics League  
NEW YORK, NY  
$10,000 over 6 months to support the participation of New York City Math Team students in the American Regions Mathematics League annual competition.  
Project Director: Linda Berman, Treasurer  

Technology Affinity Group  
WAYNE, PA  
$5,000 over 4 months For 2014 Membership Dues.  
Project Director: Lisa Pool, Executive Director  

Habitat for Humanity of Collier County  
NAPLES, FL  
$5,000 over 12 months As a memorial gift in memory of William E. Hoglund, a former Alfred P. Sloan Foundation Trustee.  
Project Director: Sam Durso, President & CEO  

National Kidney Foundation of Michigan  
ANN ARBOR, MI  
$5,000 over 12 months As a memorial gift in memory of William E. Hoglund, a former Alfred P. Sloan Foundation Trustee.  
Project Director: Daniel Carney, President & CEO  

Northwest Michigan Habitat for Humanity  
HARBOR SPRINGS, MI  
$5,000 over 12 months As a memorial gift in memory of William E. Hoglund, a former Alfred P. Sloan Foundation Trustee.  
Project Director: Lani Laporte, Executive Director  

GuideStar USA, Inc.  
WILLIAMSBURG, VA  
$7,500 over 12 months to support work on behalf of the nonprofit and charitable community.  
Project Director: James Lum, CFO