**Quick Links** 

### Research Areas

- Biological Sciences
- Computer & Information Science & Engineering
- Education and Human Resources
- Engineering
- Environmental Research & Education
- Geosciences
- <u>International & Integrative Activities</u>
- Mathematical & Physical Sciences
- Social, Behavioral & Economic Sciences

# **Learning Resources**

- Film, TV, Exhibits & More!
- Slideshows & Photo Galleries
- Classroom Resources
- Funding for Research on Learning in Formal & Informal Settings

## Funding & Awards



### **Funding Info**

- <u>Search Funding</u> <u>Opportunities</u>
- Browse Funding
  Opportunities A-Z
- Recent Funding Opportunities
- How to Prepare a Funding Proposal
- Grant Proposal Guide
- <u>Submit a Proposal to</u> <u>FastLane</u>

#### **Award Info**

- Managing Awards
- Award & Administration Guide
- Search Awards
- Award Statistics (Budget Internet Info System)

# News & Discoveries

- Recent News
- Recent Discoveries
- Multimedia Gallery
- Special Reports

### **Contact Us**

- Staff Directory
- Organization List
- Visit NSF
- Work at NSF
- Do Business with NSF
- Press

- <u>Inspector General</u> Hotline
- How Do I ...?

## The National Science Foundation

4201 Wilson Boulevard, Arlington, Virginia 22230, USA

**Tel:** (703) 292-5111 **FIRS:** (800) 877-8339 **TDD:** (800) 281-8749



- Home
- Funding
  - Search Funding Opportunities
  - Browse Opportunities A-Z
  - Recent Opportunities
  - Due Dates
  - Preparing Proposals
  - Policies & Procedures
  - Merit Review
  - Interdisciplinary Research
  - Transformative Research
  - About Funding
- Awards
  - About Awards
  - Managing Awards
  - Policies & Procedures
  - Award Conditions
  - Search Awards
  - Presidential & Honorary Awards
  - Award Statistics (Budget Internet Info System)
- Discoveries
  - Discoveries Home
  - Arctic & Antarctic
  - Astronomy & Space
  - Biology
  - Chemistry & Materials
  - Computing
  - Earth & Environmental Science

- Education
- Engineering
- Mathematics
- Nanoscience
- People & Society
- Physics
- Search Discoveries
- About Discoveries

#### News

- News Home
- For News Media
- Multimedia Gallery
- Special Reports
- News from the Field
- Research Overviews
- Speeches & Lectures
- NSF Current Newsletter
- NSF-Wide Investments
- News Archive
- Search News

#### • Publications

- Publications Home
- Search Publications
- Obtaining Publications

#### • Statistics

- NCSES Home
- NCSES Data
- NCSES Publications
- NCSES Surveys
- NCSES Topics
- Search NCSES
- About NCSES

#### • About NSF

- About NSF
- History
- Visit NSF
- Contact NSF
- Staff Directory
- Organization List
- Career Opportunities
- Contracting Opportunities
- NSF & Congress
- o Budget
- Performance Assessment Info

- Partners
- Broadening Participation/Diversity
- Office of Diversity & Inclusion
- Fastlane



#### **News**

News From the Field
For the News Media

**Special Reports** 

Research Overviews

**NSF-Wide** 

**Investments** 

**Speeches & Lectures** 

NSF Current

Newsletter

**Multimedia Gallery** 

**News Archive** 

#### News by Research Area

Arctic & Antarctic

Astronomy & Space

**Biology** 

Chemistry &

**Materials** 

**Computing** 

Earth & Environment

Education

**Engineering** 

**Mathematics** 

Nanoscience

People & Society

**Physics** 



News From the Field Stirring-up atomtronics in a quantum circuit: What's so 'super' about this superfluid

#### February 12, 2014



While pursuing the goal of turning a cloud of ultracold atoms into a completely new kind of circuit element, physicists have demonstrated that such a cloud-known as a Bose-Einstein condensate (BEC)-can display a sort of "memory" and may offer an alternative to conventional electronic devices. Full Story

#### Source

University of Maryland Joint Quantum Institute

The National Science Foundation (NSF) is an independent federal agency that supports fundamental research and education across all fields of science and engineering. In fiscal year (FY) 2014, its budget is \$7.2 billion. NSF funds reach all 50 states through grants to nearly 2,000 colleges, universities and other institutions. Each year, NSF receives about 50,000 competitive requests for funding, and makes about 11,500 new funding awards. NSF also awards about \$593 million in professional and service contracts yearly.

#### **Useful NSF Web Sites:**

NSF Home Page: <a href="http://www.nsf.gov">http://www.nsf.gov</a>/
NSF News: <a href="http://www.nsf.gov/news/">http://www.nsf.gov/news/</a>

For the News Media: <a href="http://www.nsf.gov/news/newsroom.jsp">http://www.nsf.gov/news/newsroom.jsp</a>

Science and Engineering Statistics:

http://www.nsf.gov/statistics/

Awards Searches: <a href="http://www.nsf.gov/awardsearch/">http://www.nsf.gov/awardsearch/</a> Email 🗙 Print 🖺 Take our Customer Satisfaction Survey

↑ Тор

- Funding
- <u>Awards</u>
- <u>Discoveries</u>
- News
- Publications
- Statistics
- About NSF
- <u>Fastlane</u>
- Research.gov
  LSA.gov
  National Science Board
  Recovery Act
  Budget and Performance
  Annual Financial Report

  Web Policies and Important Links
  Privacy
  FOIA
  NO FEAR Act



The National Science Foundation, 4201 Wilson Boulevard, Arlington, Virginia 22230, USA Tel: (703) 292-5111, FIRS: (800) 877-8339 | TDD: (800) 281-8749

- Text Only Version
- View Mobile Site