

Dear Colleague,

As scientists, we are proud to support Rush Holt – a teacher, physicist, and progressive who has built an outstanding record of accomplishment in his 14 years in the U.S. House of Representatives – in his campaign for the United States Senate. Never before in our history have we needed more and had less scientific expertise in the United States Congress. We strongly urge you to join us in supporting this exceptional candidate.

As you well know, Rush has been one of the very few scientists to serve in the U.S. Congress. Prior to his Congressional service, he earned his Ph.D. from New York University, and he was a professor at Swarthmore College teaching both physics and public policy. He then acted as Assistant Director at the Princeton Plasma Physics Laboratory, Princeton's largest research facility.

Upon his election to the U.S. House in 1998, Rush became a rare and outspoken voice for evidence-based thinking in the U.S. Congress. He thinks like a scientist, so he is skeptical of easy answers and never stops digging until he gets the truth. He has also proved to be a very effective, successful political campaigner, winning improbable elections and now enjoying durable support in New Jersey. As an energy scientist, he has played an especially critical role in fighting to rein in climate change and in supporting sustainable energy research.

Already Rush has made countless contributions to advancing science in the public sphere. Rush Holt:

- Led the successful effort to pass the largest single increase in funding for science research in history (\$22 billion in the Recovery Act);
- Wrote the provision of the College Cost Reduction Act providing \$16,000 college scholarships for future teachers of science, math, or foreign languages, and cutting in half interest rates for federal student loans;
- Founded and continues to co-chair the Congressional Research and Development Caucus;
- Helped to ensure that science education is explicitly promoted in the Elementary and Secondary Education Act;
- Insisted that good science form the basis for federal policies for mineral extraction and drilling;
- Fought to keep politicians out of embryonic stem cell research.

Above and beyond his advocacy for science, Rush has been a committed and effective progressive leader. In recognition of his efforts to protect the air we breathe, the water we drink, and the land we cherish, the League of Conservation Voters awarded Rush their highest career rating of any senior member of Congress. He is the leading advocate for voting reform to ensure that every vote is fully verifiable. He has fought against warrantless spying on American citizens and has led the effort to repeal the misguided PATRIOT Act.

The urgency of the need to bring Rush's scientific expertise back to Congress compels us to ask for a donation. [\*\*We urge you to make a generous contribution -- \\$200, \\$500, \\$1000, \\$2600 or another amount – to Rush Holt for Senate today.\*\*](#)

The primary election is just weeks away – August 13<sup>th</sup> – and Rush needs to raise a significant sum of money very quickly. [\*\*Please click here to send in a contribution today to help him raise the money he needs to win the primary.\*\*](#) The odd date of this election increases Rush's chances of victory; it is only the truly devoted Democrats who will go out to vote, and these are the voters most loyal to Rush. If he wins the primary, Rush

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has an excellent chance of winning the special Senate race in October, and would fill the void in the Senate where there should be someone with scientific knowledge and a scientist's approach to issues.

Rush has been the kind of representative that we, as citizens and scientists, yearned for: someone who listens to people, follows the evidence wherever it leads, and thinks about the long term. He is thoughtful, knowledgeable, skillful, and fearless. Let's do our part to help this extraordinary member of Congress be elected to the Senate.

Science is under attack from all quarters as we face significant budgetary pressures. We know the essential role that science plays in our economic and social welfare. Rush is the leader we need in the Senate right now. Please join us in supporting him.

Sincerely,

*(Affiliations are for identification only and do not constitute endorsements by the following organizations.)*

**Steven Chu**

Professor of Physics and of Molecular and Cellular Physiology, Stanford University

**Burton Richter**

Nobel Prize, Physics (1976)  
Professor Emeritus, Stanford University

**Stephen L. Adler**

Professor Emeritus, Institute for Advanced Study

**Bruce Alberts**

Former Editor-in-Chief, Science (2008-2013)  
Former United States Science Envoy (2009-2011)  
Professor Emeritus, Department of Biochemistry and Biophysics, UCSF  
President Emeritus, U.S. National Academy of Sciences

**Jeanne Altmann**

Professor Emerita and Senior Scholar, Ecology & Evolutionary Biology, Princeton University

**Philip W. Anderson**

Nobel Prize, 1977, Physics

**David Baltimore**

Nobel Prize in Medicine, 1975  
President Emeritus  
Robert Andrews Millikan Professor of Biology  
California Institute of Technology

**Bonnie L. Bassler**

Squibb Professor and Chair of the Department of Molecular Biology, Princeton University and Howard Hughes Medical Institute Investigator.  
MacArthur "Genius" Award Winner

**Jeremy Bernstein**

Professor Emeritus, Stevens Institute of Technology

**R. Stephen Berry**

The University of Chicago

**David Botstein**

Anthony B Evnin Professor of Genomics  
Princeton University

**Lewis M. Branscomb**

Prof., emeritus, JFK School, Harvard University  
Distinguished Research Fellow, Inst. of Global Conflict & Coop., Univ. of Cal.

**Steven P. Briggs, Ph.D.**

Distinguished Professor  
Section of Cell & Developmental Biology  
University of California San Diego

**Curtis G Callan, Jr.**

J S McDonnell Distinguished University Professor of Physics, Princeton University  
President, American Physical Society (2010)  
Member, National Academy of Science (USA)

**Emily Carter**

Founding Director, Andlinger Center for Energy and the Environment, Princeton University

**Martin Chalfie**

University Professor, Columbia University  
President, Society for Developmental Biology  
Nobel Prize, Chemistry 2008

**Emanuel DiCicco-Bloom, MD**

Professor  
Neuroscience & Cell Biology, and Pediatrics  
Robert Wood Johnson Medical School

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**Freeman Dyson**

Professor Emeritus, Institute for Advanced Study,  
Princeton, New Jersey

**Dr. Nina Fedoroff**

Distinguished Professor, King Abdullah University  
of Science and Technology (KAUST)  
Evan Pugh Professor, Huck Institutes of the Life  
Sciences, Penn State University

**Honorable Bill Foster, Member of Congress**

U.S. House of Representatives, Illinois 11th District

**Hans Frauenfelder**

Professor Emeritus of Physics, Chemistry, and  
Biophysics  
University of Illinois, Urbana, Il.

**David Gabai**

Hughes-Rogers Professor of Mathematics  
Chair, Department of Mathematics  
Princeton University

**Patricia Adair Gowaty, Ph.D.**

Distinguished Professor  
Department of Ecology & Evolutionary Biology  
Institute of the Environment and Sustainability

**Stephen Harrison**

Harvard Medical School

**Tulle Hazelrigg**

Professor, Columbia University

**Dr. Jose M. Hernandez**

Former NASA Astronaut

**Stephen P. Hubbell**

Distinguished Professor, Univ. of California, Los  
Angeles  
Senior Staff Scientist, Smithsonian Tropical  
Research Institute, Panama

**Peter C. Kahn, Ph.D.**

Professor of Biochemistry  
Department of Biochemistry & Microbiology  
Rutgers University

**Robert O. Keohane**

Professor of Public and International Affairs,  
Princeton University, Member, National Academy of  
Sciences

**Robert E. Kopp**

Associate Director, Rutgers Energy Institute  
Assistant Professor, Department of Earth and  
Planetary Sciences, Rutgers, the State University of  
New Jersey

**Neal Lane**

University Professor, Dept. Physics and Astronomy,  
and Senior Fellow, Baker Institute, Rice University

**Joel L. Lebowitz**

Director, Center for Mathematical Sciences  
Research, Rutgers, The State University

**Jane Lubchenco**

Former Administrator of NOAA; Valley Professor of  
Marine Biology, Oregon State University

**Thomas Lovejoy**

George Mason University

**Carol Mason**

Professor of Neuroscience, Columbia University

**Douglas S. Massey**

8 Princeton Ave, Princeton, NJ 08540

**Christopher F. McKee**

Professor Emeritus, Physics and Astronomy  
University of California, Berkeley

**Michael Oppenheimer**

Albert G. Milbank Professor of Geosciences and  
International Affairs, Princeton University  
Co-Editor, *Climatic Change*  
Editor in Chief, *Climatic Change Letters*

**Jeremiah Ostriker**

National Medal of Science recipient (2000)  
Astrophysicist, Professor at Columbia University  
and Professor emeritus at Princeton University

**Larry E. Overman**

Distinguished Professor of Chemistry  
University of California, Irvine

**Lyman Page**

Chair and Henry DeWolf Smyth Professor of  
Physics, Princeton University

**David Pines**

Founding Director-now Emeritus- of the Institute for  
Complex Adaptive Matter, Co-Founder, Santa Fe  
Institute, Distinguished Research Professor of  
Physics at UC Davis, Research Professor of  
Physics, University of Illinois at Urbana-Champaign

**William Press**

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Raymer Professor of Computer Science and Integrative Biology, University of Texas at Austin

**Chris Quigg**

Senior Scientist, Fermi National Accelerator Lab

**Helen R. Quinn**

Professor Emerita of Particle Physics and Astrophysics  
SLAC National Accelerator Center  
Chair, National Research Council Board on Science Education

**Alan Robock**

Distinguished Professor, Rutgers University  
Editor, Reviews of Geophysics  
Director, Meteorology Undergraduate Program  
Associate Director, Center for Environmental Prediction

**Deborah Rose, Ph.D.**

Commander, United States Public Health Service, ret.

**Clarence Rowley**

Professor of Mechanical and Aerospace Engineering, Princeton University

**Maxine Singer**

President Emerita, Carnegie Institution for Science

**Lynn R. Sykes**

Higgins Prof. Emeritus Of Earth And Environmental Sciences, Lamont-Doherty Earth Observatory Of Columbia University

**Gordon Thomas**

Professor of Physics, New Jersey Institute of Technology, Newark, New Jersey

**Shirley M. Tilghman**

President Emerita and Professor of Molecular Biology, Princeton University

**Anne Treisman**

Professor Emerita, Psychology, Princeton University  
Member, National Academy of Sciences

**Marilyn Tremaine**

Research Professor in Electrical and Computer Engineering, Rutgers, The State University

**Scott Tremaine**

Professor of Astrophysics, Institute for Advanced Study

**Tony Tyson**

Distinguished Professor, Physics Department, University of California, Davis  
Member, National Academy of Sciences

**J. Craig Venter, Ph.D.**

Chairman and CEO of Synthetic Genomics, Inc and the J. Craig Venter Institute  
2008 National Medal of Science Awardee and Member National Academy of Science

**Frank von Hippel**

Professor of Public and International Affairs, Princeton University

**Caroline Wagner**

Ambassador Milton A. and Roslyn Z. Wolf Chair in International Affairs, The Ohio State University

**Eric Wieschaus**

Nobel Laureate Physiology or Medicine 1995  
Squibb Professor of Molecular Biology, Princeton University  
Howard Hughes Medical Institute Investigator

**Frank Wilczek**

Herman Feshbach Professor of Physics  
Massachusetts Institute of Technology

**Evelyn M. Witkin**

Barbara McClintock Professor Emerita  
Rutgers, the State University of New Jersey  
2002 recipient of the National Medal of Science

**Ed Witten**

Professor, Institute for Advanced Study, Princeton, New Jersey

**Richard Wolfson**

Benjamin F. Wissler Professor of Physics  
Middlebury College

**Keith R. Yamamoto, Ph.D.**

Vice Chancellor for Research, UCSF  
Executive Vice Dean, School of Medicine  
Professor, Cellular & Molecular Pharmacology

**Stephen P. Hubbell**

Distinguished Professor  
Univ. of California, Los Angeles

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