

**Beverly Karplus Hartline, Ph.D.**

Vice Chancellor for Research and Dean of Graduate Studies

Director of the Center for Advanced Mineral & Metallurgical Processing (Acting)

**Education:**

B.A. (1971) Reed College, Portland, OR Physics and Chemistry

Ph.D. (1978) University of Washington Geophysics

**Work Experience:**

Montana Tech Vice Chancellor for Research & Dean of Graduate Studies (2012-)  
Univ. of District of Columbia Assoc. Provost Research, Dean of Grad. Studies (2009-12)  
Univ. of DC Dean of Engineering & Appl. Sci. (Acting, 2011-12)  
Delaware State Univ. Dean of Grad. Studies & Research (interim, 2008-09)  
Delaware State Univ. Dean of Math, Nat. Sci. & Tech. Prof. of Physics (2006-08)  
Heritage University Spec. Assist. to President & Visiting Prof. of Sci. (2004-05)  
Argonne National Lab. Deputy Laboratory Director (2001-2003)  
Los Alamos National Lab Project Director Spallation Neutron Source Linac, then Deputy  
Associate Director for Strategic and Supporting Research (Acting)  
(1998-2001)  
Office of Sci. and Tech. Policy Asst. Dir. Physical Sci. & Engineering (1996-98)  
Continuous Electron Beam Accelerator Facility Many positions, culminating in Associate Director  
and Project Manager (1985-96)  
Univ. Calif, Lawrence Berkeley Lab Staff Scientist (1982-85)  
NASA Goddard Space Flight Center Physical Scientist (1980-82)  
Amer. Assoc. Adv. Science Research News Writer, *Science* (1978-80)

**Professional Affiliations:**

American Association for the Advancement of Science (Fellow)  
American Association of Physics Teachers  
American Geophysical Union  
American Physical Society (Fellow)  
Association for Women in Science (Fellow)  
Sigma Xi

**Honors and Awards:**

Protégé, Millennium Leadership Institute, AASCU, 2004-2005  
DOE Distinguished Associate Award, 1993.  
NASA Special Achievement Award; Outstanding Performance Award, 1982.  
Woodrow Wilson Fellow, 1971.

**Funded Grants:**

PI of Army Research Laboratory Subaward from University of Alabama, Birmingham on “Materials Processing & Applications Development Center of Excellence” 2012-2013 (\$998,593)  
PI of STEM Faculty Professional Development Supplement to HBCU-UP Implementation Project at UDC, 2011, NSF. (~\$100 K)  
Co-PI of “High-5 STEM Collaborative for Diversification of the Professoriate” 2011, NSF. (~\$150K)  
Co-PI of “The 4<sup>th</sup> International Conference on Women in Physics” 2011, NSF. (~\$120 K)  
PI of “Initiative on Equity, Civic Engagement, & Community Leadership,” 2011, Live-to-Give

Charitable Trust. (~\$160 K)  
Co-PI of “Out of the Shadows & Around the World,” 2011, Alfred P. Sloan Foundation. (~\$18 K)  
PI of “HBCU Mid-Atlantic Professional Science Master’s Alliance Implementation,” 2010, Alfred Sloan Foundation. (~\$240 K)

**Publications (since 2010):**

“Robert Karplus: Science Education Pioneer,” with Robert G. Fuller, chapter in forthcoming book on Going Back for Our Future: Carrying Forward the Spirit of Pioneers of Science Education, edited by Jon E. Pederson, Kevin Finson, Barbara Spector, and Paul Jablon, Information Age Publishing, Inc., Charlotte, NC, 2013.

“Out of the Shadows and Into the Spotlight,” with Theodore Hodapp, in *Women in Physics: The 4<sup>th</sup> IUPAP International Conference on Women in Physics*, AIP Press. Conf. Proc. **1517**, 15, 2013.

“Professional Development Workshop Report,” with Jin Hee Yoon and Marina Milner-Bolotin, in *Women in Physics: The 4<sup>th</sup> IUPAP International Conference on Women in Physics*, AIP Press Conf. Proc. **1517**, 25, 2013.

"The Mandate for Broadening Participation: Developing the Best Minds and Solutions," (Chapter 1) in Broadening Participation in Undergraduate Research: Fostering Excellence and Enhancing the Impact, with Muriel Poston; Mary K. Boyd and Jodi L. Wesemann, editors; Council on Undergraduate Research (Washington DC), 2009.

**Service (Since 2011):**

*At Montana Tech*

NWCCU Steering Committee, Member (Spring 2013- Present)  
Graduate Council, Chair (Fall 2012- Present)  
Strategic Planning Committee (Fall 2012 – Present)  
Research Advisory Committee, Chair (Fall 2012-Present)  
Various search committees

*Larger Professional Community*

National Professional Science Master’s (PSM) Steering Committee, 2013-present  
Internet2 Program Advisory Group-Research (PAG-R), 2012-present  
Sloan Indigenous Graduate Partnership, Montana Tech Director, October 2012-present  
Member, DC Public Schools Advisory Committee on STEM Education, 2012.  
Co-chairperson of APS Bouchet Award Endowment Committee, 2011-2013.  
Founder and Chairperson of Mid-Atlantic Historically Black College and University (HBCU) PSM Alliance, 2008-2012.  
Member, Human Resources Experts Panel, Science Resources Statistics Division, Social, Behavioral, and Economic Sciences Directorate, NSF, 2008-2014  
Member, International Union of Pure and Applied Physics Working Group on Women in Physics, 1999-2011