

Beverly Karplus Hartline, Ph.D.

Vice Chancellor for Research and Dean of Graduate Studies

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, <i>Science</i> (1978-80)

Professional Affiliations:

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

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 (Selected):

Co-PI, PNW COSMOS award to Univ. Montana; PI SubAward to Montana Tech 2014-18 (~\$60 K)
PI of Army Research Laboratory Cooperative Agreement “Materials Technology: Science and Engineering Research for the Army” 2014-2015 (\$1.3 million)
PI of Army Research Laboratory Subaward from University of Alabama, Birmingham on “Materials Processing & Applications Development Center of Excellence” 2012-2014 (\$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 4th 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):

- “An Eclectic Historical Perspective on Advancing Women in Physics,” Beverly Karplus Hartline, Mildred S. Dresselhaus, & Judy Franz, *Physics in Canada* **71** (2), 85-89, 2015.
- “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 4th 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 4th 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.

Selected Recent Service:

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)

Larger Professional Community

Professional Science Master’s (PSM) National 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, NSF, 2008-2014
Member, International Union of Pure and Applied Physics Working Group on Women in Physics, 1999-2011
Member, Editorial Board, Journal of Science Education and Technology, 2004-present
Member various grant review panels: NSF, Montana Space Grant, etc.