

Biography of
Judith S. Bond, Ph.D., President
Federation of American Societies for Experimental Biology

Judith S. Bond, Ph.D., is Professor Emerita and former Chair of Biochemistry and Molecular Biology at Penn State College of Medicine in Hershey, PA. She is an Associate Editor of the Journal of Biological Chemistry, and a Past President of the American Society for Biochemistry and Molecular Biology (ASBMB) (2004-2006). Bond received her B.S. in science from Bennington College in Vermont in 1961, and an M.S. and Ph.D. in biochemistry and physiology from Rutgers University in 1962 and 1966. She did postdoctoral work at Vanderbilt University until 1968, and then joined the faculty of the Department of Biochemistry at the Medical College of Virginia, Virginia Commonwealth University. She moved to Virginia Tech as Professor and Head of the Department of Biochemistry and Nutrition in 1988, and then to Penn State's College of Medicine as Chair of Biochemistry and Molecular Biology in 1992.

Dr. Bond's research on proteolysis, and particularly on unique and complex metalloproteases called meprins, has been funded continuously by the National Institutes of Health (NIH) for 34 years. She has authored over 150 refereed papers, and given over 140 invited lectures throughout the world. Recently, she and colleagues have found that meprins are candidate genes for diabetic nephropathy in Pima Indians, and for inflammatory bowel disease.

Dr. Bond has a sustained interest in graduate education, having trained 18 Ph.D., 4 M.D./Ph.D., and 4 M.S. students. She has also trained 18 postdoctoral fellows. She was Director of the Medical Scientist Training Program at Penn State Hershey campus and obtained federal funding for this program. She served as Assistant Dean for Graduate Education from 1996-99, Co-Director of Graduate Education for the Life Sciences Consortium from 1995-2000, and Co-Director of the Chemical Biology Option of the Integrative Biosciences Graduate Program from 1996 to 2003.

Dr. Bond served the Federation of American Societies for Experimental Biology (FASEB) on the Funding Recommendations Committee for FY 2001 and 2002; the Board of Directors and Public Affairs Executive Committee, 2003-2004; the Strategic Planning Task Force, 2004; and the Board of Directors, 2006-2008. She served on several Association of Academic Medical Centers Committees, such as the Scientific Foundation for Future Physicians Committee and the Journal Oversight Committee. Dr. Bond is a member of American Physiological Society and the Protein Society, as well as ASBMB.

Dr. Bond's service includes membership on the NIH Biochemistry Study Section 1987-91, which she chaired from 1989-91, and on the National Institute of Diabetes and Digestive and Kidney Diseases Advisory Council of the NIH 1996-2000. Dr. Bond was elected President of the Biochemistry Chairs 1996-97, the Council of the International Proteolysis Society 1997-2001, and the Council of the ASBMB 1996-99 and 2002-04. She was named Young Women's Christian Association Outstanding Woman in Science and Health in Virginia in 1989, and Virginia's Outstanding Scientist in 1988, and was an NIH MERIT Awardee 1989-96. She was honored by the International Proteolysis Society in 2007, and by Penn State with the title of University Distinguished Professor in 2008. She was named an Evan Pugh Professor of Penn State University in 2010. She is an advocate for funding of fundamental, investigator-initiated research, the globalization of science, and the next generation of scientists.