

CURRICULUM VITAE
MARY PAT WENDEROTH

PRESENT POSITION:

Senior Lecturer, Department of Biology
University of Washington

EDUCATION:

Rush Medical College, Chicago, IL <i>Dissertation:</i> Nascent myosin heavy chain incorporation into the thick filament of cardiac cells of thyroid treated rabbits: Localization by immunoelectron microscopy	1987 Ph.D. Physiology
Purdue University, Lafayette, IN <i>Thesis:</i> Percent Body Fat and Menstrual Rhythmicity in the Female Athlete.	1981 M.S. Exercise Physiology
George Washington University, Washington, D.C <i>Paper:</i> Physical Conditioning: A Feminist Strategy	1977 M.S. Women's Studies
Catholic University of America, Washington, D.C	1973 B.A. Biology

EMPLOYMENT:

Faculty Coordinator of Undergraduate Curriculum Department of Biology (50% time), University of Washington, Seattle, WA	2004-2007
Special Assistant to the Dean of Undergraduate Education	2004-2005
Senior Lecturer, Department of Biology, University of Washington	2000- present
Lecturer, Department of Zoology, University of Washington	1994-1999
Senior Fellow, Department of Biochemistry, University of Washington	1988-1996
Research Assistant, Biochemistry Department of Indiana University School of Medicine. Indianapolis, IN	1982-1984

TEACHING EXPERIENCE:

UW Biology 118, 119, 220, 350, 460, 462, 463, Honors seminar 396

GRANTS:

University of Washington 4 X 4 Writing Project for AY 06-07. One of a four faculty member team from Biology selected to design innovative ways to incorporate writing into our classes.

University of Washington, College of Arts and Sciences Learning Initiative for AYs 06-08. Co-author of proposal focused on developing learning outcomes and means of assessment of these learning outcomes for all the biology courses in the department.

“Disseminating a Package of Best Practices for Teaching and Assessing Analytical Reasoning in Biology” Funds to improve Post-Secondary Education (FIPSEII grant). Subaward principal investigator, 9/04-8/07. Main grant resides with Drs. John Bell and William Bradshaw at Brigham Young University.

Co-Principal Investigator, 2/00 – 3/03, “Active Learning as a Basis for Reform of Undergraduate Life Science Education”- National Science Foundation -a grant to fund PERC's study of the prevalence of misconceptions in physiology and how to change classroom activities to help the learner to learn.

AWARDS:

UW Professor of the Year – 2007. Voted by UW graduating senior class of 2007 to give the Last Word lecture (UW Alumni Association event during Washington Weekend)

Summer Institute on Undergraduate Education in Biology (SI), Fellow, 2006-2007
member of a two person faculty team to attend the Howard Hughes Medical Institute sponsored week long workshop at the University of Wisconsin.

Faculty Initiative to Reform Science Teaching (FIRST)- member of University of Washington Institutional Team overseeing 5 community college faculty teams. May 2002—2005. Grant from the National Science Foundation, Dr. Diane Ebert-May from Michigan State University is the Principal Investigator.

Distinguished Teaching Award, University of Washington. 2001

WORKSHOPS GIVEN:

University of Washington:

On-site facilitator of Institute of Teaching Excellence, 2002- 2005

Faculty Fellows Workshop, Active Learning workshop, September, 2002-2006

Provost's workshop, Redesign of courses, September 2003- 2006

Annual TA Conference on Teaching and Learning,

“Motivating Students to Learn: Applying Principles of Learning to Teaching” 2004-07

Community College-University of Washington Partnership Program: funded by a Howard Hughes Science Education Program. 1999- 2005

Coordinator of a week-long summer conference for Community College Faculty

OTHER ACTIVITIES:

Grant review panel for NSF –CCLI Phase I grants. July 2007

Facilitator for Summer Institute for Undergraduate Biology Education. 2007. Howard Hughes funded faculty development project to improve pedagogical practices.

Member of Physiology Education Research Consortium (PERC), 1998 – present

SERVICE:

UNIVERSITY OF WASHINGTON

Director, Institute for Teaching Excellence (UW Teaching Academy) , 2007

Faculty Council on Instructional Quality (FCIQ), 2002-present, Chair of FCIQ 2007--

Steering committee for Scholarship of Teaching and Learning Symposium, 2004-present

DEPARTMENT OF BIOLOGY

Tenure and Promotion Committee, 2005-present

Ad hoc Committee on Lecturer Promotion Protocol, 2004-2005

Undergraduate Curriculum Committee, 2002-2005

PROFESSIONAL SOCIETIES:

2007 Society for Integrative and comparative Biology (SICB)-

2006 American Physiological Society (APS)

2005- Human Anatomy and Physiology Society (HAPS)

PUBLICATIONS: SCIENCE EDUCATION

Freeman,S., E. O'Connor, J. W. Parks, M. Cunningham, D. Hurley, D. Haak, C. Dirks, M.P. Wenderoth. 2007. Prescribed Active Learning Increases Performance in Introductory Biology. *CBE Life Sci Educ* 6(2): 132–139

Modell, H., J.A. Michael, and **M.P. Wenderoth**. 2005. Helping the learner to learn: The role of Uncovering Misconceptions. *American Biology Teacher* 67(1): 20-25.

Michael, J.A., **M.P. Wenderoth**, and H.Modell, W. Cliff ,B. Horwitz, P. McHale, D. Richardson, D. Silverthorn,S. Williams and S. Whitescarver 2002. Undergraduate's understanding of cardiovascular phenomena. *Adv. Physiol. Educ.* 26:72-84.