

April 2009

**Krynn DeArman Lukacs**  
Department of Chemistry Bryn  
Mawr College  
Bryn Mawr, PA 19010  
(610)526-5109  
klukacs@brynmawr.edu

#### EDUCATION

Ph.D.	Univ. of North Carolina-Chapel Hill	Analytical Chemistry	1983
B.S. with honors	Univ. of Missouri-Columbia	Chemistry	1979

#### PROFESSIONAL APPOINTMENTS

1993-present, *Senior Laboratory Lecturer for General Chemistry*, Bryn Mawr College. In charge of general chemistry laboratory instruction for approximately 100-120 students per semester. Responsible for all facets of laboratory operation including curriculum development, training of undergraduate and graduate student teaching assistants, laboratory supply and maintenance, and the supervision of 15 hours/week of student laboratory work. Author of laboratory manuals, teaching assistant manuals, and computer-related materials for the course. Leave-replacement lecturer in Chemistry 103/104 and instructor for general chemistry lecture and laboratory in Bryn Mawr's summer school program.

1987-1993, *Lecturer and Laboratory Coordinator for General Chemistry*, Bryn Mawr College.

1985-1987, *Laboratory Coordinator for General Chemistry*, Bryn Mawr College.

1984-1985, *Postdoctoral Research Associate* with Dr. G.D. Schockman, Temple University School of Medicine. Characterization of monoclonal antibodies to bacterial peptidoglycans. Helped to define recognition sites of antibodies used as part of a clinical assay for bacterial contamination. Peptidoglycan fragments were structurally characterized and tested in a solid-phase immunoassay system for their ability to inhibit binding of these antibodies.

#### COLLEGE SERVICE

Faculty Representative to the Honor Board	1996-1999, 2006-date
Leader, MSPGP Summer Environmental Science Institute for Middle/High School Teachers (Bryn Mawr College)	2005
Planning Coordinator, MSPGP Summer Chemistry Institute for High School Teachers (Villanova University)	2004-2005
Peer Led Instruction Program Coordinator and Workshop Leader	2004-date
Ad Hoc Committee to Rewrite the Plan of Government	2002-2004
Undergraduate Council	2001-2003
Curriculum Committee	2001-2002
Mellon Student Life Discussion Committee	2001-2002
Major Adviser for the Chemistry Department	1987-date
Foreign Study Committee	1997-date
Access Advisory Committee	1999-date
Teaching Project Mentor, Marshall Fellowship Program (8 Fellows)	1988-2000
Search Committees (8), Department of Chemistry	1986-2005

	April 2009
Faculty Salaries and Benefits Committee	1998-1999
Search Committees, Assistant Undergraduate Deans (2)	1996
Committee on Teaching Assistants	1994-1996
OWLS Mentor	1994-1996
Task Force on the Undergraduate Experience	1993-1994
Committee on Undergraduate Awards	1990-1993
Mentor in the Dana Internship Program (2 Interns)	1986-1987

#### AWARDS and Grants

Dreyfus Foundation Special Grant in the Chemical Sciences	2002
Mellon Foundation Fellowship for Curriculum Development	2001-2002
Bryn Mawr College Schwartz Award for Teaching Excellence	2000
Knight Foundation Curriculum Development Support	1993
American Chemical Society Analytical Division Summer Fellowship	1982
Phi Beta Kappa	1979
American Institute of Chemists Outstanding B.S. Chemistry Graduate	1979
University of Missouri Curators Scholarship	1975-1979

#### PROFESSIONAL AFFILIATIONS

American Chemical Society  
 National Science Teachers Association  
 Sigma Xi  
 Alpha Chi Sigma

#### PUBLICATIONS AND PRESENTATIONS

Lukacs, K.D., *Chemistry 104 Laboratory Manual*, Bryn Mawr College (new editions yearly, 1987-present).

Lukacs, K.D., *Chemistry 101/103 Laboratory Manual*, Bryn Mawr College (new editions yearly, 1986-present).

Lukacs, K.D. "Peer Led Supplementary Instruction," Barnard College, May 2006.

Barber, D., Hoyle, B., Lukacs, K.D., "Field Investigations of a Campus Pond Foster Interdisciplinary Approaches Across the Sciences," Geological Society of America Program Abstract 80885, November 2004.

Lukacs, K.D., Hoyle, B., Sussman, A. "Project-Based Learning Facilitates Collaborative Education Within and Across Disciplines," Geological Society of America Program Abstract Vol. 36, No. 2, March 2004.

Jorgenson, J.W. and Lukacs, K.D., "High-Voltage Capillary Zone Electrophoresis," in *Modern Aspects of Capillary Separation Techniques*, ed. Milos Novotny, John Wiley and Sons (1985).

Lukacs, K.D. and Jorgenson, J.W. (1985). "Capillary Zone Electrophoresis: Effect of Various Parameters on Separation Efficiency and Quantitation." *Journal of High Resolution Chromatography* **8**: 407-412.

April 2009

- Jorgenson, J.W. and Lukacs, K.D. (1983). "Capillary Zone Electrophoresis." *Science* **222**:266-272.
- Jorgenson, J.W. and Lukacs, K.D. (1981). "High Resolution Separations Based on Electrophoresis and Electroosmosis." *Journal of Chromatography* **218**:209-212.
- Jorgenson, J.W. and Lukacs, K.D. (1981). "Free Zone Electrophoresis in Glass Capillaries." *Clinical Chemistry* **27**:1151-1154.
- Jorgenson, J.W. and Lukacs, K.D. (1981). "Zone Electrophoresis in Glass Capillaries." *Analytical Chemistry* **53**:1298-1302.
- Jorgenson, J.W. and Lukacs, K.D. (1981). "Zone Electrophoresis in Open-Tubular Glass Capillaries: Preliminary Data on Performance." *Journal of High Resolution Chromatography* **4**:230-231.
- Jorgenson, J.W., Green, J. and Lukacs, K.D. "Analytical Protein Separations Using High Voltage Capillary Zone Electrophoresis," American Chemical Society National Meeting, August 1984.
- Lukacs, K.D. and Jorgenson, J.W. "Zone Electrophoresis in Glass Capillaries," Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, March 1983.