

ELAINE SYMANSKI, PhD

BIOGRAPHICAL DATA

Address: University of Texas School of Public Health
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E-mail: Elaine.Symanski@uth.tmc.edu

EDUCATION

1976-1978 University of Rochester, Rochester, New York
Biology major

1979-1981 Western Washington University, Bellingham, Washington
BS, Environmental Studies

1990-1996 University of North Carolina at Chapel Hill, Chapel Hill, North Carolina
MSPH, Department of Environmental Sciences and Engineering,
School of Public Health, December 1992

University of North Carolina at Chapel Hill, Chapel Hill, North Carolina
PhD, Department of Environmental Sciences and Engineering
(Epidemiology minor), School of Public Health, December 1996

PROFESSIONAL EXPERIENCE

9/2003-present Associate Professor of Environmental Sciences (with tenure)
Environmental and Occupational Health Sciences Division
University of Texas Health Science Center at Houston
School of Public Health
Houston, Texas

1996-2003 Assistant Professor of Environmental Sciences (tenure-track)
University of Texas Health Science Center at Houston
School of Public Health
Houston, Texas

Primary responsibilities: Research and teaching in occupational and
environmental health, with an emphasis on exposure assessment

4/2005-present Adjunct Associate Professor
School of Rural Public Health
The Texas A&M University System Health Science Center
Bryan, Texas

1990-1996 Research Assistant
Department of Environmental Sciences and Engineering
School of Public Health
University of North Carolina at Chapel Hill
Chapel Hill, North Carolina

Primary responsibilities: Examination of variability in exposure to myriad contaminants among a broad cross section of industries worldwide; Development of a sampling protocol for the nickel-producing and nickel-using industries

1982-1989 Administrative Assistant
1990 Assistant Specialist
Department of Biomedical and Environmental Health Sciences
School of Public Health
University of California at Berkeley
Berkeley, California

Primary responsibilities: Administrative support to the academic program in Environmental Health Sciences; Administrative support to the NIEHS Superfund Basic Research Program and the Health Effects Component of the University of California Toxic Substances Research and Teaching Program

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- American Industrial Hygiene Association
- British Occupational Hygiene Society
- International Society for Environmental Epidemiology
- Society for Epidemiologic Research

EDITORIAL BOARDS

- Member, International Advisory Board, *The Annals of Occupational Hygiene*, 2001-present

INVITED JOURNAL REFEREE

- *American Industrial Hygiene Association Journal*
- *Atmospheric Environment*
- *Environmental Health Perspectives*
- *Epidemiology*
- *Journal of the Air & Waste Management Association*
- *Journal of Human and Ecologic Risk Assessment*
- *Journal of Occupational and Environmental Medicine*
- *Journal of Toxicology and Environmental Health*
- *Occupational and Environmental Medicine*
- *The Annals of Occupational Hygiene*

FELLOWSHIPS AND AWARDS

2000-2001	Excellence in Scholarship Incentive Award, University of Texas School of Public Health
1997-2005	Excellence in Research Incentive Award, University of Texas School of Public Health
1997	Bernard G. Greenberg Award for Excellence in Doctoral Research, School of Public Health, University of North Carolina at Chapel Hill
1995	Hoechst-Celanese Corporation Excellence Award, School of Public Health, University of North Carolina at Chapel Hill
1992	David A. Fraser Scholarship, Department of Environmental Sciences and Engineering, University of North Carolina at Chapel Hill
1990-1993	Board of Governor's Fellowship in Science and Technology, University of North Carolina at Chapel Hill
1990	Miriam Cole Scholarship, School of Public Health, University of North Carolina at Chapel Hill
1980-1981	Thomas Henry Huxley Award, Outstanding Graduate Award, Huxley College of Environmental Studies, Western Washington University
1979	Shell Scholar, Huxley College of Environmental Studies, Western Washington University

RESEARCH

Primary Research Interests: Development and application of quantitatively based approaches for evaluating occupational and environmental exposures; Retrospective exposure assessment for workplace contaminants; Investigation of health effects associated with exposure to occupational or environmental contaminants.

Current funding

Principal Investigator (10%), *Investigation of Key Determinants of VOC exposure*, The Mickey Leland National Urban Air Toxics Research Center (NUARTC), \$50,000, 12/1/06-11/30/07.

Co-investigator (11% effort), *A study to evaluate the health effects of air pollution in Bexar County with a focus on the types of emissions associated with coal-fired power plants*, San Antonio City Public Service, \$227,200, 6/1/2005-5/31/2007.

Co-investigator (25% effort), *Southwest Center for Occupational and Environmental Health*, National Institute for Occupational Safety and Health (NIOSH), G.L. Delclos, P.I., Total costs: \$1,263,791, 7/1/2005-6/30/2010.

Previous funding

Principal Investigator (20%), *Evaluation of Exposure Measurement Error*, National Institute for Occupational Safety and Health (NIOSH), Total costs: \$147,813, 9/30/2003-8/31/2006.

Co-investigator (5% effort), *Occupational asthmagens in cleaners: A focus group study*, National Institute of Occupational and Safety Health (NIOSH), A. Arif, P.I. (Univ. of N. Texas) Total costs: \$136,073; G.L. Delclos, P.I. (subcontract), Total costs: 50,263, 9/1/2004-6/30/2006.

Co-investigator (5% effort), *A Validated Asthma Questionnaire for Healthcare Workers*, National Institute for Occupational Safety and Health (NIOSH), G.L. Delclos, P.I., Total costs: \$481,017, 10/1/2001-9/30/2004.

Principal Investigator (subcontract) (20% effort), *Perinatal PCB Exposure and Neuropsychological/Auditory Function*, Texas A&M University (TAMU)/University of Illinois/National Institute of Environmental Health Sciences (NIEHS)/Environmental Protection Agency (EPA), Total costs: \$37,246, 9/30/2002-5/31/2003 [S. Schantz, P.I. and Center Director, *FRIENDS Children's Environmental Health Center*, University of Illinois at Urbana-Champaign, Total costs: \$5,568,988]

Co-investigator (10% effort), *Perinatal PCBs and Neuropsychological/Auditory Function* National Institute of Environmental Health Sciences (NIEHS)/ Environmental Protection Agency (EPA), A. Sweeney, P.I., \$1,599,552, 9/1/2001-9/1/2002 (part of the *FRIENDS Children's Environmental Health Center*, S. Schantz, Director, University of Illinois at Urbana-Champaign, \$5,568,988).

Principal Investigator (60% effort), *The Utility of Biomarkers as Dose and Exposure Measures*, National Institute for Occupational Safety and Health (NIOSH), (KO1 award), Total costs: \$161,676, 9/30/1997-9/29/2001 (with 1-year no-cost extension)

Principal Investigator (20% effort), *Investigation of the Time-varying Behavior of Nickel Exposure from 1977 to 1994*, NiPera, Inc., Total costs: \$40,000, 5/1/1997-7/30/1998.

Co-investigator (10% effort), *Reproductive Health, Serum Dioxin and P450 Genes in Vietnam Veterans*, Environmental Protection Agency (EPA), A.M. Sweeney, P.I., Total costs: \$872,595, 12/1/1997-11/30/2001.

Co-investigator (5% effort), *Prenatal Exposure to Pesticides*, National Cancer Institute (NCI), S.P. Cooper, P.I. Total costs: \$24,936, 9/16/1997-9/16/1998.

Co-investigator (5% effort), *Assessment of Exposures to Migrant Farmworker Children*, National Cancer Institute (NCI), S.P. Cooper, P.I., Total costs: \$24,934, 9/19/1997-9/19/1998.

Co-investigator (25% effort), *Industrial Hygiene Component of the NIOSH ERC Training Grant*, National Institute for Occupational Safety and Health (NIOSH), G.L. Delclos, P.I., Total costs: \$1,044,490, 7/1/2000-6/30/2005.

Co-investigator (15% effort*), *Industrial Hygiene Component of the NIOSH ERC Training Grant*, National Institute for Occupational Safety and Health (NIOSH), G.L. Delclos, P.I., Total costs: \$430,596, 7/1/1995-6/30/2000. (Involvement in the ERC began in 1998).

*Effort reduced when necessary.

Publications in Refereed Journals:

1. Yager J.W. Paradisin W.M. **Symanski** E. Rappaport S.M. Sister chromatid exchanges induced in peripheral lymphocytes of workers exposed to low concentrations of styrene. *Progress in Clin. Biol. Res.* 340C:347-56 (1990).

2. Kromhout H., **Symanski E.**, and Rappaport S.M. A comprehensive evaluation of within- and between-worker components of occupational exposure to chemical agents. *Ann. Occup. Hyg.* 37:253-270 (1993).
3. Rappaport S.M., Kromhout H., and **Symanski E.** Variation of exposure between workers in homogeneous exposure groups. *Am. Ind. Hyg. Assoc. J.* 54:654-662 (1993).
4. **Symanski E.** and Rappaport S.M. An investigation of the dependence of exposure variability on the interval between measurements. *Ann. Occup. Hyg.* 38:361-372 (1994).
5. Rappaport S.M., **Symanski E.**, Yager J.W., and Kupper L.L. The relationship between environmental monitoring and biological markers in exposure assessment. *Environ. Health Perspect.* 103(Suppl 3):49-54 (1995).
6. **Symanski E.** and Hertz-Picciotto I. Blood lead levels in relation to menopause, smoking, and pregnancy history. *Am. J. Epidemiol.* 141:1047-1058 (1995).
7. **Symanski E.**, Kupper L.L., Kromhout H., and Rappaport S.M. An investigation of systematic changes in occupational exposure. *Am. Ind. Hyg. Assoc. J.* 57:724-735 (1996).
8. Rappaport S.M., Yeowell-O'Connell K., Bodell W., Yager J.W., and **Symanski E.** An investigation of multiple biomarkers among workers exposed to styrene and styrene-7,8-oxide. *Cancer Res.* 56:5410-5416 (1996).
9. Tornero-Velez R., **Symanski E.**, Kromhout H., Yu R.C., and Rappaport S.M. Compliance versus risk in assessing occupational exposures. *Risk Analysis* 17:279-292 (1997).
10. Shimokura* G.H., Savitz D.A., and **Symanski E.** Assessment of tap water use for estimating exposure to trihalomethanes. *Environ. Health Perspect.* 106:55-59 (1998).
11. **Symanski E.**, Kupper L.L., and Rappaport S.M. Comprehensive evaluation of long term trends in occupational exposure: part 1. Description of the database. *Occup. Environ. Med.* 55:300-309 (1998).
12. **Symanski E.**, Kupper L.L., Hertz-Picciotto I., and Rappaport S.M. Comprehensive evaluation of long-term trends in occupational exposure: part 2. Predictive models for declining exposures. *Occup. Environ. Med.* 55:310-316 (1998).
13. **Symanski E.**, Chang* C., and Chan W. Long-term trends in exposures to nickel aerosols. *Am. Ind. Hyg. Assoc. J.* 61:324-333 (2000).
14. **Symanski E.**, Sällsten G., and Barregård L. Variability in airborne and biological measures of exposure to mercury in the chloralkali industry: Implications for epidemiologic studies. *Environ. Health Perspect.* 108:569-573 (2000).
15. **Symanski E.**, Chan W., and Chang* C. Mixed-effects models for the evaluation of long-term trends in exposure levels with an example from the nickel industry. *Ann. Occup. Hyg.* 45:71-81 (2001).
16. Sweeney A.M., **Symanski E.**, Burau K., Kim Y., Humphrey H.E.B., and Smith M.A. Factors related to changes in serum PBB and PCB levels over time in women of varying ages. *Environ. Res.* 86:128-139 (2001).

17. **Symanski E.**, Bergamaschi E., and Mutti A. Inter- and intra-individual sources of variation in levels of urinary styrene metabolites. *Int. Arch. Environ. Occup. Health.* 74:336-344 (2001).
18. Cooper S.P., Burau K., Sweeney A., Robison T., Smith M.A., **Symanski E.**, Colt J.S., Laseter J., and Zahm S.H. Prenatal exposure to pesticides: A feasibility study among migrant and seasonal farm workers. *Am. J. Ind. Med.* 40:578-585 (2001).
19. **Symanski E.**, Sällsten G., Chan W., and Barregård L. Heterogeneity in sources of exposure variability among groups of workers exposed to inorganic mercury. *Ann. Occup. Hyg.* 45:677-687 (2001).
20. **Symanski E.** and Greeson* N.M.H. Assessment of variability in biomonitoring data using a large database of biological measures of exposure. *Am. Ind. Hyg. Assoc. J.* 63:390-401 (2002).
21. Tee* P.G., Sweeney A.M., **Symanski E.**, Gardiner J.L., Gasior D.M., and Schantz S.L. A longitudinal examination of factors related to changes in serum polychlorinated biphenyl levels. *Environ. Health Perspect.* 111:702-707 (2003).
22. **Symanski E.**, Savitz D., and Singer P.C. Assessing spatial fluctuations, temporal variability, and measurement error in estimated levels of disinfection by-products in tap water: Implications for exposure assessment. *Occup. Environ. Med.*, 61:65-72 (2004).
23. Delclos G.L., Arif A.A., Aday L., Carson A., Lai D., Lusk C., Stock T., **Symanski E.**, Whitehead L.W., Benavides F.G., and Maria Antó J. A validated asthma questionnaire for healthcare workers. *Occup. Environ. Med.*, 63:173-179 (2006).
24. **Symanski E.**, Maberti S.I., and Chan W. A meta-analytic approach for characterizing the within- and between- worker sources of variation in exposure to workplace contaminants, *Ann. Occup. Hyg.*, 50:343-357 (2006).
25. Meyer* T.E., Coker A.L., Sanderson M., and **Symanski E.** A case-control study of farming and prostate cancer in African American and Caucasian men, *Occup. Environ. Med.*, published Online First: 15 August 2006. doi:10.1136/oem.2006.027383.
26. Delclos G.L., Gimeno D., Arif A.A., Burau K.D., Carson A., Lusk C., Stock T., **Symanski E.**, Whitehead L.W., Zock J.P., Benavides F.G., and Antó J.M. Work-related asthma among healthcare professionals, *Am. J. Resp. Critical Care Med.*, in press.
27. **Symanski E.**, Greeson N.M.H., and Chan W. Evaluating measurement error in estimates of worker exposure assessed in parallel by personal and biological monitoring, *Am. J. Ind. Med.*, in press.

*Student

Manuscript Submissions

1. Sweeney, A.M. and **Symanski, E.** The influence of age at exposure to PBBs on birth outcomes, *Env. Res.*, submitted. .
2. Jimenez* R., Aday L.A., Grimes R.A., **Symanski E.**, Thomas E.J., and Harper M. Evaluating a Web-based Close Call Reporting System in an Urban Teaching Hospital: Lessons from the Field, *Joint Commission J Quality Patient Safety*, submitted.

3. Jimenez* R., Aday L.A., Grimes R.A., **Symanski E.**, and Thomas E. Why Healthcare Workers Under-report Close Calls: A Qualitative Analysis, *J Patient Safety*, submitted.

*Student

Non-refereed Publications, Conference Proceedings, and Letters to the Editor:

1. Yager J.W., Paradisin W., **Symanski E.**, and Rappaport S.M. 'Sister chromatid exchanges induced in peripheral lymphocytes of workers exposed to low concentrations of styrene' in *Mutation and the Environment - Part C: Somatic and Heritable Mutation, Adduction and Epidemiology*, M. Mendelsohn and R. J. Albertini, eds., Wiley-Liss, New York, 1990, pp. 271-282. (Proceedings of the Fifth International Conference on Environmental Mutagens)
2. Rappaport S.M., **Symanski E.**, Lyles R., and Kromhout H. *Letter to the editor*. Response to letters regarding *Am. Ind. Hyg. Assoc. J.* 54:654-662 (1993). *Am. Ind. Hyg. Assoc. J.* 55:875-877 (1994).
3. **Symanski E.** and Hertz-Picciotto I. Blood lead levels in relation to menopause, smoking, and pregnancy history. *Menopause Digest* 3:10-13 (1996). (Invited article)
4. Rappaport S.M., Tornero-Velez R., **Symanski E.**, Kromhout H., and Yu R.C. *Letter to the editor*. Response to letter regarding *Risk Analysis* 17:279-292 (1997). *Risk Analysis* 18:669-671 (1998).

Final Contract/Grant Reports:

1. Cooper S.P., Vernon S., Burau K., Hanis C., Smith M.A., **Symanski E.**, Sweeney A., Robison T., and MacNaughton N. *Ascertainment of Exposures of Migrant Farmworker Children: A Feasibility Study*. Final Report submitted to the National Cancer Institute, March 1998.
2. **Symanski E.** *An Investigation of the Time-Varying Behavior of Nickel Exposure from 1977 to 1994*. Final Report submitted to NIPERA, Inc., 23 October 1998.
3. **Symanski E.** *The Utility of Biomarkers as Exposure and Dose Measures*, Final Performance Report submitted to Centers for Disease Control and Prevention (CDC), National Institute for Occupational Safety and Health, Grant No. K01 OH00166, 20 December 2001.
4. Walker, K.M., Coker, A.L., **Symanski, E.**, Lupo, P.J. *A Preliminary Investigation of the Association Between Hazardous Air Pollutants and Lymphohematopoietic Cancer Risk Among Houstonians*, Report to the city of Houston, November 2006.

Published Abstracts and Presentations:

1. Rappaport S.M., Kromhout H., **Symanski E.**, and Kupper L.L. *Assessment of Exposure Between Workers in "Homogeneous" Groups*. American Industrial Hygiene Association Conference & Exposition, Boston, Massachusetts, June 1-5, 1992.
2. **Symanski E.** *Assessing Exposures - Is Biased Sampling Really Necessary?* Invited lecture, fall conference of the Carolinas section of the American Industrial Hygiene Association, Myrtle Beach, South Carolina, October 14-15, 1993.
3. **Symanski E.** and Hertz-Picciotto I. *Blood Lead Levels in Relation to Menopause*. 27th annual meeting of the Society for Epidemiologic Research (SER), Miami, Florida, June 15-19, 1994 (*Am J Epidemiol* 139:S74, 1994).

4. Tornero-Velez R, **Symanski E**, Kromhout H, Yu RC, Rappaport SM. *Compliance Versus Risk in Assessing Occupational Exposures*. Society for Risk Analysis Annual Meeting, New Orleans, Louisiana, December 1996.
5. **Symanski E**. *Time-dependent Sources of Variation in Occupational Exposure*. Invited lecture, Department of Occupational Medicine, University of Göteborg, Göteborg, Sweden, September 25, 1997.
6. **Symanski E.**, Sällsten G., and Barregård L. *Variability in Airborne and Biological Measures of Exposure to Mercury Vapour*. ISEE/ISEA 1999 Conference, Athens, Greece, September 4-7, 1999 (*Epidemiol* 10 (S1):101, 1999).
7. Greeson N. and **Symanski E**. *Assessment of Within- and Between-worker Sources of Variation in Biological and Airborne Measures of Exposure*. American Industrial Hygiene Association Conference & Exposition, Graduate student poster session (Awarded best poster of the session), Orlando, Florida, May 20-25, 2000.
8. **Symanski E**. *Assessment of Within- and Between-Worker Sources of Variation in Exposure to Workplace Contaminants*. Invited lecture, Greater Houston Industrial Hygiene Council Meeting, Houston, Texas, June 29, 2000.
9. **Symanski E**. *Implications of Variability in Biological Measures of Exposure for Epidemiologic Studies: Do the Errors Matter?* Invited lecture, Department of Epidemiology, College of Human Medicine, Michigan State University, Lansing, Michigan, April 12, 2001.
10. Sweeney A.M., del Junco D.J., **Symanski E.**, Cooper S.P., Fox E., Staub L., Garzon A., and Wu X. *Serum dioxin, P450 Genes, and Neural Tube Defects among Offspring of Vietnam Veterans*. Invited lecture (A. Sweeney), Yale Vietnam Conference, New Haven, CT, September 14, 2002.
11. **Symanski, E**. *Exposure Variability: Truth, Assumptions, and Consequences*. Invited lecture, Department of Environmental Health Sciences, University of Michigan, School of Public Health, Ann Arbor, MI, March 28, 2003.
12. Delclos, G.L., Arif A., Aday LA., Bartholomew K., Carson A.I., Lai D., Lusk C., Stock T., **Symanski E**, Whitehead L.W. *Reliability and Validity of an Asthma Questionnaire for Healthcare Workers*. NORA 2003 Symposium: Working Partnerships Research to Practice Conference, Washington DC, June 23-24, 2003.
13. Maberti, S., **Symanski E**. *Effect of Long-term Trends on the Estimation of the Within- and Between-worker Variance Components. An Application in the nickel industry*. American Industrial Hygiene Association Conference & Exposition, Graduate student poster session. Atlanta, Georgia, May 8-13, 2004.
14. Maberti. S., **Symanski, E**. *A Retrospective Evaluation of Nickel exposures under Non-stationary Scenarios*. American Industrial Hygiene Association Conference & Exposition, Anaheim, California, May 21-26, 2005.
15. Maberti. S., **Symanski, E**. *An Evaluation of Patterns of Homogeneity in Exposure among Job Groups across Different Industries. Implications for epidemiologic studies*. American Industrial Hygiene Association Conference & Exposition, Anaheim, California, May 21-26, 2005.

16. Meyer, T.E., Coker, A.L., Sanderson, M. **Symanski, E.** *Reduction of Exposure Misclassification in a Case-control Study of Farming-related Exposures and Prostate Cancer*. Joint meeting of the Society for Epidemiologic Research (SER) and the Canadian Society for Epidemiology and Biostatistics (CSEB), Toronto, Ontario Canada, June 27-30, 2005.
17. **Symanski E.** *Statistical Approaches for Modeling Intra-and inter-individual sources of variation in biological measures of exposure*. Invited Lecture, Special Session entitled, Analytical and Biological Variability: Impact on Interpretation of Biomonitoring Results, 28th International Congress of Occupational Health (ICOH), Milan, Italy, 13 June 2006.

PROFESSIONAL SERVICE

- Member, Human Health Subcommittee of the Board of Scientific Council (BOSC), US Environmental Protection Agency, February 1, 2005 – January 31, 2006.
- Member, ASPH Environmental Health Workgroup, November 2004 – November 2005.
- Member, Advisory Board, Mothers for Clean Air (MfCA), Houston, TX, October 2004 - present.
- Invited reviewer, Collaborative Health Research Projects for Natural Sciences and Engineering Research Council of Canada (NSERC), December 2004- January 2005.
- Member, Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Scientific Advisory Panel (SAP), Characterization of Epidemiology Data Relating to Prostate Cancer and Exposure to Atrazine (Meeting held on July 17-18, 2003, Arlington, VA)
- Technical editor, Chapter 15 (*Comprehensive Exposure Assessment*) in The Occupational Environment-Its Evaluation and Control, 3rd edition, AIHA press, summer 2002.
- Grant reviewer, Pilot Project program, Center for Environmental and Rural Health, Texas A&M University, May 2002.
- Co-Instructor, Professional Development Course on *Exposure Assessment Strategies and Statistics*, American Industrial Hygiene Association Conference and Exposition, San Diego, CA, June 1-2, 2002.
- Invited reviewer, external review of (two) manuscripts requested by the National Institute for Occupational Safety and Health (NIOSH) prior to submission to peer-reviewed journals, Fall 2001.
- Invited reviewer, IUPAC Recommendation: Exposure Assessment Using the Logbook Method, for Pure and Applied Chemistry (PAC), published by the International Union of Pure and Applied Chemistry (IUPAC), Fall 2001.
- Technical auditor, Professional Development Course on *Exposure Assessment Strategies and Statistics*, American Industrial Hygiene Association Conference and Exposition, New Orleans, LA, June 1-2, 2001.
- Member, Exposure Assessment Committee, American Industrial Hygiene Association (AIHA), 2001-present.
- Reviewer, chapter in Handbook of Chemical Health and Safety, American Chemical Society, summer 1997.

UNIVERSITY SERVICE

University of Texas Health Science Center at Houston

- School of Public Health representative, Multicultural Affairs Committee, 2001-2003
- School of Public Health representative, Nominating Committee, 1999-2001

University of Texas School of Public Health (UT SPH)

- Academic Coordinator, Division of Environmental and Occupational Health Sciences, February 2004-present.
- Member, Nominations Committee, Director for the Environmental and Occupational Health Division, UT SPH, August 2003-October 2003.
- Member, Academic Council Planning Committee, June 2003-August 2003.
- Member, MPH Culminating Experience Committee, October 2002-August 2003.
- Chair, Environmental Sciences Web Page Committee, February 2003-July 2003
- Member, Search Committee, Two faculty positions in Environmental Sciences, March 2002-December 2002.
- Organizer, External Review and Site Visit of the Environmental Sciences Discipline, September 11-13, 2001.
- Faculty representative, Search Committee, Director of Student Affairs for the School of Public Health, February 2001-May 2001.
- Member, Advisory Board for the Community-based Public Health Program at the School of Public Health, Fall 2000-present.
- Environmental Sciences representative, UT SPH Admissions Committee, Fall 1997-Summer 2003.
- Member, Annual Activities Review Committee, 1999-2000 Academic year.
- Member, Facility Master Plan User Group, Exterior Space and Sustainable Development Issues, 1999.
- Presenter, New Faculty Orientation, July and November 1999.
- Presenter, Opportunities in Public Health for Mathematics and Science Majors, May 26-28, 1999.
- Chair, ad hoc committee to develop performance objectives for MPH students seeking a concentration in Environmental Sciences, 1998.
- Chair, ad hoc committee to update admissions requirements for Environmental Sciences, 1998.
- Chair, ad hoc committee to evaluate curriculum in Industrial Hygiene/Occupational Health, 1998.