

Curriculum Vitae

ELIZABETH V. WATTENBERG

1110 Mayo
420 Delaware St SE
Minneapolis, MN 55455
(612) 626-0184
watte004@umn.edu

Education

PhD, Massachusetts Institute of Technology, Cambridge, 1989
Massachusetts, United States. Toxicology
BS, Yale University, New Haven, Connecticut, United States. 1981
Molecular Biophysics and Biochemistry

Fellowships, Residencies, and Visiting Engagements

Visiting Professorship

Visiting Professor 1994
University of Chicago, Department of Pharmacology and
Physiological Sciences

Fellowship

Fellowship 1988 - 1989
Coca Cola
Pre-doctoral Training Fellowship 1983 - 1988
National Institutes of Health

Academic Appointments

University of Minnesota
School of Public Health, Division of Environmental Health
Sciences: Richard G. Bond Professor in Environmental Health 2023 - Present
University of Minnesota
School of Public Health, Division of Environmental Health
Sciences: Professor 2021 - Present
University of Minnesota
School of Public Health, Division of Environmental Health
Sciences: Associate Professor 2000 - Present
University of Minnesota
School of Public Health, Division of Environmental and
Occupational Health: Assistant Professor 1994 - 2000
University of Minnesota
School of Public Health, Division of Environmental and
Occupational Health: Lecturer 1993
University of Minnesota
Gray Freshwater Biological Institute: Postdoctoral Fellow 1989 - 1990
Massachusetts Institute of Technology
Toxicology: Graduate Student 1983 - 1989

Academic Administrative Appointments

Associate Dean for Education and Student Engagement
School of Public Health, University of Minnesota 2019 - Present
Environmental Health MPH Program Director

School of Public Health, Division of Environmental
Health Sciences
Director of Graduate Studies
School of Public Health, Division of Environmental
Health Sciences

2018 - 2019

2000 - 2018

Other Professional Positions

Minnesota Department of Health
Section of Health Risk Assessment: Environmental Toxicologist 1990 - 1994
University of California, San Francisco and Veterans Administration Hospital
Endocrine Unit: Staff Research Associate 1981 - 1983

Current Membership in Professional Organizations

Delta Omega Honorary Public Health Society 2000 - Present
Society of Toxicology 1993 – Present
American Association for the Advancement of Science 1993-Present

HONORS AND RECOGNITION

University of Minnesota

Charles N. Hewitt Creative Teaching Award, School of Public Health 2011
Faculty Excellence Award in Environmental Health, School of Public Health 1998

Honors Awarded to Student/Trainee

American Association for Cancer Research Student Travel Grant 1989

External Sources

Volunteer Recognition Award, American Heart Association Research Administration 2007
For four years of outstanding performance, leadership and professionalism in advancing the mission of the American Heart Association and Peer Review.
Certificate of Appreciation, United States Department of Agriculture 1997

RESEARCH, SCHOLARSHIP, AND CREATIVE WORK

Grants, Contract, Awards: External Sources

Award: Public Health Scholarship Program
Project Investigators: Wattenberg, Elizabeth V (Principal)
Status: Active
Sponsoring Organization: Department of Health and Human Services
Award Dates: 09/30/2022-09/29/2025

Award: Public Health Crisis Response Cooperative Agreement: Academic Partnership to Enhance Workforce Preparedness
Project 1: Pipelines and Pathways to Strengthen the Public Health Workforce
Project 2: Revitalization of Emergency Preparedness and Response Education and Training
Project Investigators: Wattenberg, Elizabeth V (co-investigator), Hedberg, Craig (Principal)
Status: Active
Sponsoring Organization: MN Dept of Health (CDC)
Award Dates: 03/2022-06/2023

Award: Indo-US Collaboration for Training in Environmental Health
Project Investigators: Wattenberg, Elizabeth V (Instructor), Alexander, Bruce H (Principal)
Status: Closed
Sponsoring Organization: Jamia Millia Islamia / University Grants Commission (UGC)
Award Dates: 2016 - 2019

Award: One Health Workforce (OHW) Project

Project Investigators: Wattenberg, Elizabeth V (Co-Investigator), Pelican, Katharine M (Principal)
Status: Closed
Sponsoring Organization: United States Agency for International Development
Award Dates: 2014 - 2019

Award: Light Activated Anti-Cancer Drugs

Project Investigators: Wattenberg, Elizabeth V (Co-Investigator), Distefano, Mark D (Principal)
Status: Closed
Sponsoring Organization: National Institutes of Health/National Cancer Institute
Award Dates: 2014 – 2016

Award: Role of O6-Alkylguanine in Nitrosamine-Induced Cancers

Principal Investigator: Peterson, Lisa A.
Status: Closed
Sponsoring Organization: NIH NATIONAL CANCER INSTITUTE (NCI)
Award Dates: April 20, 2005 - March 31, 2011

Project: ROLE OF O6-ALKYLGUANINE IN NITROSAMINE-INDUCED CANCERS

Project Team: Myron Gross, Elizabeth Wattenberg (Co-Investigator), Lisa Peterson (Principal)
Status: Approved
Project Dates: April 20, 2005 - March 31, 2011

Award: Negative Regulators: Key Determinants in Carcinogenesis

Project Investigators: Wattenberg, Elizabeth V (Principal)
Status: Closed
Sponsoring Organization: National Institutes of Health/National Cancer Institute
Award Dates: March 1, 2005 - January 31, 2011

Award: Co-carcinogenic Activity of Nitrosamine Metabolites

Project Investigators: Wattenberg, Elizabeth V (Co-Investigator), Peterson, Lisa A (Principal)
Status: Closed
Sponsoring Organization: National Institutes of Health/National Cancer Institute
Award Dates: April 1, 2003 - March 31, 2007

Award: Tumor Promotion: Modulation of Molecular Switches by Diverse Signals

Project Investigators: Wattenberg, Elizabeth V (Principal)
Status: Closed
Sponsoring Organization: American Cancer Society, Inc.
Award Dates: July 1, 2000 - June 30, 2003

Award: Regulation of a c-Jun Kinase by a Novel Tumor Promoter

Project Investigators: Wattenberg, Elizabeth V (Principal)
Status: Closed
Sponsoring Organization: National Institutes of Health
Award Dates: February 1, 1997 - January 31, 2002

Award: cJun as a Target for TPA-type and Non-TPA-type Tumor Promoters

Project Investigators: Wattenberg, Elizabeth V (Principal)
Status: Closed
Sponsoring Organization: Pharmaceutical Research and Manufacturers of America Foundation
Award Dates: January 1, 1997 - December 31, 1998

Other Grants, Awards, Gifts, or Endowment Earnings (Internal Sources)

Award: Partnership for Affordable Content grant

Project Investigators: Wattenberg, Elizabeth V (Principal)

Status: Closed

Sponsoring Organization: University of Minnesota Libraries

Award Dates: 2015 - 2016

Award: Defining and Mitigating Against Environmental Impacts of Oil and Gas Fracking

Project Investigators: Wattenberg, Elizabeth V (Co-Principal with JM Bielicki)

Status: Closed

Sponsoring Organization: Minnesota Futures Grant Program, Office of the Vice President for Research

Award Dates: 2012 - 2014

Award: A New Model for Studying Collective Cell Migration and Invasion in Breast Cancer

Project Investigators: Wattenberg, Elizabeth V (Principal)

Status: Closed

Sponsoring Organization: University of Minnesota Cancer Center, Translational Breast Cancer Research Award

Award Dates: January 1, 2013 - December 31, 2013

Award: Mapping Pathways of Toxicity in 3-Dimensional Cell Culture

Project Investigators: Wattenberg, Elizabeth V (Principal)

Status: Closed

Sponsoring Organization: Academic Health Center

Award Dates: 2011 - 2012

Award: Genomic Profiling of Signaling Networks in Cancer Cells

Project Investigators: Wattenberg, Elizabeth V (Principal)

Status: Closed

Sponsoring Organization: Faculty Research Grant Program, School of Public Health and Minnesota Medical Foundation

Award Dates: 2009 - 2010

Award: LIGHT ACTIVATED CANCER DRUGS

Principal Investigator: Wattenberg, Elizabeth V (Co-Investigator), Distefano, Mark D. (Principal)

Status: Closed

Sponsoring Organization: University of Minnesota Cancer Center Brainstorm Award

Award Dates: July 15, 2008 - July 14, 2009

Award: New Perspectives on the Mechanisms of Action of Genotoxic Carcinogens

Project Investigators: Wattenberg, Elizabeth V (Principal)

Status: Closed

Sponsoring Organization: Faculty Research Grant Program, School of Public Health and Minnesota Medical Foundation

Award Dates: 2002 - 2003

Award: Modulation of Mitogen-Activated Protein Kinase Pathways by Genotoxic Alkylating Agents

Project Investigators: Wattenberg, Elizabeth V (Co-Principal), Peterson, Lisa A (Principal)

Status: Closed

Sponsoring Organization: University of Minnesota Academic Health Center Faculty Seed Grant

Award Dates: 1999 - 2000

Award: Interdisciplinary Research on the Health Effects of Airborne Particulate Matter

Project Investigators: Wattenberg, Elizabeth V (Co-Investigator), Ramachandran Gurumurthy (Principal)

Status: Closed

Sponsoring Organization: Academic Health Center Award Dates: 1998 - 2000

Award: Travel Grant to Present Work at the Lorne Cancer Conference in Australia

Project Investigators: Wattenberg, Elizabeth V (Principal)

Status: Closed

Sponsoring Organization: Office of International Programs

Award Dates: February 2, 2000 - February 19, 2000

Award: Identification of Common Targets of Diverse Tumor Promoters

Project Investigators: Wattenberg, Elizabeth V (Principal)

Status: Closed

Sponsoring Organization: University of Minnesota Cancer Center

Award Dates: 1998 - 1999

Award: Cross-Cultural Perspectives on Pharmacology and Therapeutics

Project Investigators: Wattenberg, Elizabeth V (Co-Investigator), Sammak, Paul (Co-Investigator)

Status: Closed

Sponsoring Organization: Bush Faculty Development Program on Excellence and Diversity in Teaching.

Award Dates: 1996 - 1997

Award: Travel Grant to Present Work at the Lorne Cancer Conference in Australia

Project Investigators: Wattenberg, Elizabeth V (Principal)

Status: Closed

Sponsoring Organization: Institute of International Studies and Programs

Award Dates: February 2, 1997 - February 22, 1997

Award: Characterization of the Mitogenic Signaling Pathway Activated by the Liver Tumor Promoter Fumonisin B1.

Project Investigators: Wattenberg, Elizabeth V (Principal)

Status: Closed

Sponsoring Organization: American Cancer Society Institutional Research Grant to the University of Minnesota

Award Dates: 1995 - 1996

Award: Regulation of a Stress-activated Protein Kinase by a Novel Tumor Promoter

Project Investigators: Wattenberg, Elizabeth V (Principal)

Status: Closed

Sponsoring Organization: University of Minnesota Graduate School Grant-in-Aid of Research, Artistry and Scholarship

Award Dates: 1995 - 1996

Award: Activation of the Mitogen Activated Protein Kinase by Fumonisin B1

Project Investigators: Wattenberg, Elizabeth V (Principal)

Status: Closed

Sponsoring Organization: University of Minnesota Graduate School Grant-in-Aid of
Research, Artistry and Scholarship
Award Dates: 1994 - 1995

Grants Submitted and Not Funded

Proposal: One Health Workforce - Next Generation

Role: Co-Investigator

Proposal ID: CON00000079779

Status: Not funded

Sponsoring Organization: United States Agency for International Development

Date Submitted: April 4, 2019

Purpose: Other Sponsored Activity

Publications

Student authors are underlined

Peer-Reviewed Journal Article

Le, V.T.H., Berman, J.D., Tran, Q.A., **Wattenberg, E.V.**, Alexander, B. H. (2022). The effects of daily temperature on crime events in urban Hanoi, Vietnam using seven years of data (2013-2019). *International Journal of Environmental Research and Public Health*, 19, 13906. <https://doi.org/10.3390/ijerph19211390>.

Role: Contributed to data analysis

Nguyen, T.M.N., Nguyen, V.C., Nguyen, T.T.T., Nguyen, Q.D., Nguyen, T.T.T., Nguyen, T.T.B., Hoang, C.S., Nguyen, B.T., Nguyen, V.B., Nguyen, V.K., Ho, A.S., Pham V.H., **Wattenberg, E.V.**, Hiroyuki, N., Pham, V.T. (2020). Chromium, Cadmium, Lead, and Arsenic Concentrations in Water, Vegetables, and Seafood Consumed in a Coastal Area in Northern Vietnam. *Environmental Health Insights*, 14, 1178630220921410. [doi: 10.1177/1178630220921410](https://doi.org/10.1177/1178630220921410)

Role: Contributed to data analysis, and writing

Arriga-Gomez, E., Kline, J., Emanuel, E., Neamonitaki, N., Yandon, T., Zacheis, H., Pasha, D., Lim, J., Bush, S., Boo, B., Mengistu, H., Kinnamon, R., Shields-Cutler, R., Wattenberg, E., Chatterjea, D. (2019). Repeated Vaginal Exposures to the Common Cosmetic and Household Preservative Methylisothiazolinone Induce Persistent, Mast Cell-Dependent Genital Pain in ND4 Mice. *International Journal of Molecular Sciences*, 20(21), 5361. [doi: https://doi.org/10.3390/ijms20215361](https://doi.org/10.3390/ijms20215361)

Role: Contributed to experimental design, data analysis, and writing

Kosuth, M., Mason, S. A., & Wattenberg, E. V. (2018). Anthropogenic contamination of tap water, beer, and sea salt. *PLOS one*, 13(4), e0194970. [doi: 10.1371/journal.pone.0194970](https://doi.org/10.1371/journal.pone.0194970)

Role: Contributed to experimental design, data analysis, and writing

Palsuledesai, C.C., Ochocki, J.D., Kuhns, M.M., Wang, Y.C., Warmka, J.K., Chernick, D.S., Wattenberg, E.V., Li, L., Arriagea, E.A., Distefano, M.D. (2016). Metabolic Labeling with an Alkyne-modified Isoprenoid Analog Facilitates Imaging and Quantification of the Prenylome in Cells. *ACS Chemical Biology*, 11(10), 2820-2828. [doi: 10.1021/acscchembio.6b00421](https://doi.org/10.1021/acscchembio.6b00421)

Role: Contributed to experimental design, data analysis, and writing

Wattenberg, E. V., Bielicki, J. M., Suchomel, A. E., Sweet, J. T., Vold, E. M., & Ramachandran, G. (2015). Assessment of the Acute and Chronic Health Hazards of Hydraulic Fracturing Fluids. *Journal of Occupational and Environmental Hygiene*, 12(9), 611-24. [doi: 10.1080/15459624.2015.1029612](https://doi.org/10.1080/15459624.2015.1029612)

Role: Contributed to experimental design, data analysis, and writing

Klos, K S., Warmka, J.K., Drachenberg, D.M., Chang, L., Luxton, G.W. G., Leung, C.T., Schwertfeger, K.L., **Wattenberg, E.V.** (2014). Building bridges toward invasion: Tumor promoter treatment induces a novel protein kinase C-dependent phenotype in MCF10A mammary cell acini. *PLOS One*. 9(3), e90722.

Role: Contributed to experimental design, data analysis, and writing

- Peterson, L.A., Urban, A.M., Vu, C.C., Cummings, M. E., Brown, L.C., Warmka, J.K., Li, L., **Wattenberg, E.V.**, Patel, Y., Stram, D.O., Pegg, A.E. (2013). Role of aldehydes in the toxic and mutagenic effects of nitrosamines. *Chemical Research in Toxicology*, 26(10), 1464-1473.
Role: Contributed to experimental design, data analysis, and writing
- Warmka, J.K., Solberg, E. L., Zeliadt, N. A., Srinivasan, B., Charlson, A. T., Xing, C., & **Wattenberg, E. V.** (2012). Inhibition of mitogen activated protein kinases increases the sensitivity of A549 lung cancer cells to the cytotoxicity induced by a kava chalcone analog. *Biochemical and Biophysical Research Communications*, 424(3), 488-492.
Role: Contributed to experimental design, data analysis, and writing
- Abate-Pella, D., Zeliadt, N.A., Ochocki, J.D., Warmka, J.K., Dore, T.M., Blank, D.A., **Wattenberg, E.V.**, D.A., Distefano, M.D. Photochemical Modulation of Ras-Mediated Signal Transduction Using Caged Farnesyltransferase Inhibitors: Activation by One- and Two-Photon Excitation. *ChemBioChem*, 13(7), 1009-1016.
Role: to experimental design, data analysis, and writing
- Ochocki, J. D., Mullen, D. G., **Wattenberg, E. V.**, & Distefano, M. D. (2011). Evaluation of a cell penetrating prenylated peptide lacking an intrinsic fluorophore via in situ click reaction. *Bioorganic & Medicinal Chemistry Letters*, 21(17), 4998-5001.
Role: Contributed to experimental design, data analysis, and writing
- Wattenberg, E. V.** (2011). Modulation of protein kinase signaling cascades by palytoxin. 57(3), *Toxicon*, 57(3), 440-448.
Role: Contributed to experimental design, data analysis, and writing
- Ochocki, J. D., Igbavboa, U., Wood, W.G., **Wattenberg, E. V.**, & Distefano, M. D. (2010). Enlarging the scope of cell-penetrating prenylated peptides to include farnesylated 'CAAX' box sequences and diverse cell types. *Chemical Biology & Drug Design*, 76(2), 107-115.
Role: Contributed to experimental design and data analysis
- Wollack, J. W., Zeliadt, N. A., Ochocki, J. D., Mullen, D. G., Barany, G., **Wattenberg, E. V.**, & Distefano, M. D. (2010). Investigation of the sequence and length dependence for cell-penetrating prenylated peptides. *Bioorganic & Medicinal Chemistry Letters*, 20:161-163.
Role: Contributed to experimental design and data analysis. N.A. Zeliadt was my PhD student.
- Charlson, A. T., Zeliadt, N. A., & **Wattenberg, E. V.** (2009). Extracellular signal regulated kinase 5 mediates signals triggered by the novel tumor promoter palytoxin. *Toxicology and Applied Pharmacology*, 241:143-153 (2009).
Role: Principal Investigator on study and primary author. Guided experimental design, data analysis, and writing. Funded the research. N.A. Zeliadt was my PhD student
- Li, L., Perdigo, J., Pegg, A.E., Lao, Y., Hecht, S.S., Lindgren, B.R., Reardon, J.T., Sancar, A., **Wattenberg, E.V.**, Peterson, L.A. (2009). The influence of repair pathways on the cytotoxicity and mutagenicity induced by the pyridyloxobutylation pathway of tobacco-specific nitrosamines. *Chemical Research in Toxicology*, 22:1464-72 (2009).
Role: Contributed to experimental design, data analysis, and writing
- Wollack, J.W., Zeliadt, N.A., Mullen, D.G., Amundson, G., Geier, S., Falkum, S., **Wattenberg, E.V.**, Barany G, Distefano, M.D. (2009). Multifunctional prenylated peptides for live cell analysis. *Journal of the American Chemical Society*, 131: 7293-7303 (2009).
Role: Contributed to experimental design, data analysis, and writing. N.A. Zeliadt was my PhD student
- Zeliadt, N. A., Mauro, L. J., & **Wattenberg, E. V.** (2008). Reciprocal regulation of extracellular signal regulated kinase 1/2 and mitogen activated protein kinase phosphatase-3. *Toxicology*

and Applied Pharmacology, 232(3), 408-417.

Role: Principal Investigator on study and primary author. Guided experimental design, data analysis, and writing. Funded the research. N.A. Zeliadt was my PhD student

Lei, J., Mariash, C. N., Bhargava, M., **Wattenberg, E. V.**, & Ingbar, D. H. (2008). T3 increases Na-K-ATPase activity via a MAPK/ERK1/2-dependent pathway in rat adult alveolar epithelial cells. *American Journal of Physiology-Lung Cellular and Molecular Physiology*, 294(4):L749-754 (2008).

Role: Contributed to experimental design, data analysis, and writing

Wattenberg, E. V. (2007). Palytoxin: Exploiting a novel skin tumor promoter to explore signal transduction and carcinogenesis. *American Journal of Physiology-Cell Physiology*, 292:C24-32, 2007. Invited review.

Role: Contributed to experimental design, data analysis, and writing

Warmka, J. K., Mauro, L. J., & **Wattenberg, E. V.** (2004). Mitogen-activated protein kinase phosphatase-3 is a tumor promoter target in initiated cells that express oncogenic Ras. *Journal of Biological Chemistry*, 279:33805-33902, 2004.

Role: Principal Investigator on study and primary author. Guided experimental design, data analysis, and writing. Funded the research. J.K. Warmka was my PhD student

Zeliadt, N. A., Warmka, J. K., Winston, S. E., Kahler, R., Westendorf, J. J., Mauro, L. J., & **Wattenberg, E. V.** (2004). Tumor promoter-induced MMP-13 gene expression in a model of initiated epidermis. *Biochemical and Biophysical Research Communications*, 317(2), 570-577.

Role: Principal Investigator on study and primary author. Guided experimental design, data analysis, and writing. Funded the research. J.K. Warmka was my PhD student

Zeliadt, N. A., Warmka, J. K., & **Wattenberg, E. V.** (2003). Mitogen activated protein kinases selectively regulate palytoxin-stimulated gene expression in mouse keratinocytes. *Toxicology and Applied Pharmacology*, 192(3), 212-221.

Role: Principal Investigator on study and primary author. Guided experimental design, data analysis, and writing. Funded the research. J.K. Warmka was my PhD student

Wichmann, A. E., Thomson, N. M., Peterson, L. A., & **Wattenberg, E. V.** (2003). Genotoxic methylating agents modulate extracellular signal regulated kinase activity through MEK-dependent, glutathione-, and DNA methylation-independent mechanisms in lung epithelial cells. *Chemical Research in Toxicology*, 16(1), 87-94.

Role: Principal Investigator on study and primary author. Guided experimental design, data analysis, and writing. Contributed to funding of the research

Warmka, J. K., Winston, S. E., Zeliadt, N. A., & **Wattenberg, E. V.** (2002). Extracellular signal-regulated kinase transmits palytoxin-stimulated signals leading to altered gene expression in mouse keratinocytes. *Toxicology and Applied Pharmacology*, 185(1), 8-17.

Role: Principal Investigator on study and primary author. Guided experimental design, data analysis, and writing. Funded the research. J.K. Warmka was my PhD student

Ellerbroek, S. M., Halbleib, J., Benavidez, M., Warmka, J. K., **Wattenberg, E. V.**, Stack, & Hudson, L. G. (2001). Phosphatidylinositol 3-kinase activity in epidermal growth factor-stimulated matrix metalloproteinase-9 production and cell surface association. *Cancer Research*, 61(5), 1855-1861.

Role: Contributed to experimental design, data analysis, and writing. J.K. Warmka was my PhD student

Cross, D. P., Ramachandran, G., & **Wattenberg, E. V.** (2001). Mixtures of nickel and cobalt chlorides induce synergistic cytotoxic effects: Implications for inhalation exposure modeling. *Annals of Occupational Hygiene*, 45(5), 409-418.

Role: Contributed to experimental design, data analysis, and writing. D.P. Cross was my M.S. student

McCawley, L. J., Li, S., Benavidez, M., Halbleib, J., **Wattenberg, E. V.**, & Hudson, L. G. (2000). Elevation of intracellular cAMP inhibits growth factor-mediated matrix metalloproteinase-9 induction and keratinocyte migration. *Molecular Pharmacology*, 58(1), 145-151.

Role: Contributed to experimental design, data analysis, and writing

Li, S., & **Wattenberg, E. V.** (1999). Cell-type-specific activation of p38 protein kinase cascades by the novel tumor promoter palytoxin. *Toxicology and Applied Pharmacology*, 160(2), 109-119.

Role: Principal Investigator on study and primary author. Guided experimental design, data analysis, and writing. Funded the research. S. Li was my Ph.D. student

McCawley, L. J., Li, S., **Wattenberg, E. V.**, & Hudson, L. G. (1999). Sustained activation of the mitogen-activated protein kinase pathway: A mechanism underlying receptor tyrosine kinase specificity for matrix metalloproteinase-9 induction and cell migration. *The Journal of Biological Chemistry*, 274(7), 4347-4353.

Role: Contributed to experimental design, data analysis, and writing

Li, S., & **Wattenberg, E. V.** (1998). Differential Activation of Mitogen-Activated Protein Kinases by Palytoxin and Ouabain, Two Ligands for the Na⁺,K⁺-ATPase. *Toxicology and Applied Pharmacology*, 151:377-384.

Role: Principal Investigator on study and primary author. Guided experimental design, data analysis, and writing. Funded the research. S. Li was my Ph.D. student

Wotta, D. R., **Wattenberg, E. V.**, Langason, R. B., & El-Fakahany, E. E. (1998). M1, M3 and M5 muscarinic receptors stimulate mitogen-activated protein kinase. *Pharmacology*, 175-186.

Role: Conducted experiments, contributed to experimental design, and assisted with manuscript writing

Kuroki, D. W., Minden, A., Sanchez, I., & **Wattenberg, E. V.** (1997). Regulation of a c-Jun amine-terminal kinase/stress-activated protein kinase cascade by a sodium-dependent signal transduction pathway. *The Journal of Biological Chemistry*, 272(38), 23905-23911.

Role: Principal Investigator on study and primary author. D.W. Kuroki was an assistant scientist in my laboratory. Designed experiments, conducted some of the experiments, analyzed data, wrote manuscript, funded the research

Wattenberg, E. V., Badria, F. A., & Shier, W. T. (1996). Activation of mitogen-activated protein kinase by the carcinogenic mycotoxin fumonisin B₁. *Biochemical and Biophysical Research Communications*, 227(2), 622-627.

Role: Principal Investigator on study. Designed and conducted all of the experiments, analyzed data, wrote manuscript, funded the research

Kuroki, D. W., Bignami, G. S., & **Wattenberg, E. V.** (1996). Activation of stress-activated protein kinase/c-Jun N-terminal kinase by the non-TPA-type tumor promoter palytoxin. *Cancer Research*, 56(3), 637-644.

Role: Principal Investigator on study and primary author. D.W. Kuroki was an assistant scientist in my laboratory. Designed experiments, conducted some of the experiments, analyzed data, wrote manuscript, funded the research

Wattenberg, E. V., McNeil, P. L., Fujiki, H., & Rosner, M. R. (1989). Palytoxin down-modulates the epidermal growth factor receptor through a sodium-dependent pathway. *The Journal of Biological Chemistry*, 264(1), 213-219.

Role: Designed experiments, collected and analyzed data, and wrote manuscript

Wattenberg, E. V., Byron, K. L., Villereal, M. L., Fujiki, H., & Rosner, M. R. (1989). Sodium as a mediator of non-phorbol tumor promoter action. Down-modulation of the epidermal growth factor receptor by palytoxin. *The Journal of Biological Chemistry*, 264(25), 14668-14673.
Role: Designed experiments, collected and analyzed data, and wrote manuscript.

Wattenberg, E. V., Uemura, D., Byron, K. L., Villereal, M. L., Fujiki, H. & Rosner, M. R. (1989). Structure-activity studies of the nonphorbol tumor promoter palytoxin in Swiss 3T3 cells. *Cancer Research*, 49(21), 5837-5842.
Role: Designed experiments, collected and analyzed data, and wrote manuscript

Wattenberg, E. V., Fujiki, H., & Rosner, M. R. (1987). Heterologous regulation of the epidermal growth factor receptor by palytoxin, a non-12-O-tetradecanoylphorbol-13-acetate-type tumor promoter. *Cancer Research*, 47(17), 4618-4622.
Role: Designed experiments, collected and analyzed data, and wrote manuscript

Non-Peer-Reviewed Journal Article

Olson, R. A., Gust, L. D., & **Wattenberg, E.** (1995). Health risk limits rules revised now include 120 groundwater contaminants. *Minnesota Ground Water Association Newsletter*. [Non-Refereed]
Role: Participated in data collection and analysis

Book Chapter

Wattenberg, E.V. (2023). Occupational Toxicology., *Wexler, P. (Ed.), Encyclopedia of Toxicology* (Fourth Edition). Elsevier Inc., Academic Press.
Role: Literature review, analysis, writing

Wattenberg, E.V. (2023). Chapter 9: Adverse Outcomes Pathways (AOP)., Robson, G. M., Toscano, W. A., Kaden, D., Meng, Q., (Ed's), *Risk Assessment for Environmental Health* (Second Edition, Chapter 9). CRC press.
Role: Literature review, analysis, writing

Wattenberg, E. V. (2017). Noncarcinogenic Effects of Cigarette Smoke on the Respiratory Tract, *Comprehensive Toxicology* (Third Edition ed., pp. Chapter 15.14). Elsevier.
Role: Literature review, analysis, writing

Wattenberg, E. V. (2014)., *Noncarcinogenic Effects of Cigarette Smoke on the Respiratory Tract, Reference Module in Biomedical Sciences*. Elsevier. [doi:10.1016/B978-0-12-801238-3.02081-X](https://doi.org/10.1016/B978-0-12-801238-3.02081-X)
Role: Literature review, analysis, writing

Wattenberg, E.V. (2014). Occupational Toxicology., *Wexler, P. (Ed.), Encyclopedia of Toxicology* (Third Edition ed., vol. 3, pp. 643-647). Elsevier Inc., Academic Press.
Role: Literature review, analysis, writing

Ochocki, J.D., Igbavboa, U., Wood, W.G., Arriaga, E.A., **Wattenberg, E.V.**, Distefano, M.D. (2014). Evaluation of prenylated peptides for use in cellular imaging and biochemical analysis. *Therapeutic Peptides: Methods and Protocols*, Methods in Molecular Biology, 1088, 213-223.
Role: Contributed to experimental design and data analysis.

Wattenberg, E.V. (2010). Noncarcinogenic effects of cigarette smoke on the respiratory tract., *Toxicology of the Respiratory Tract* (Second Edition ed., vol. 9, pp. 379-388). Elsevier: Oxford.
Role: Literature review, analysis, writing

Wattenberg, E.V. (2005). Occupational Toxicology, *In Encyclopedia of Toxicology* (Second Edition ed., pp. 282-288). Wexler, P. ed. Elsevier: Oxford.

Role: Literature review, analysis, writing

Wattenberg, E.V. (1998). Occupational Toxicology, *In Encyclopedia of Toxicology* (pp. 442-450). New York, NY: Academic Press.

Role: Literature review, analysis, writing

Johnson, R.A., & **Wattenberg, E.V.** (1996), *Risk Assessment of Phenoxy Herbicides: An Overview of the Epidemiology and Toxicology Data* (pp. 16-40). Burnside, O.C.: Richtman Printing Companies.

Role: Reviewed and analyzed toxicological data, and wrote the section of the manuscript that presented the overview of the toxicological data. Dr. Johnson and I made equal contributions to this manuscript

Hanson RS, and **Wattenberg E.V.** Ecology of methylotrophic bacteria. In *Biology of Methylotrophs*, Goldberg, I. and Rokem, J.S. eds., Butterworth-Heinemann, Stoneham, MA, 325-348, 1991.

Role: Participated in data collection and manuscript writing.

Wattenberg, E., Fujiki, H., & Rosner, M.R. (1990). Mechanism of Palytoxin Action on the Epidermal Growth Factor Receptor. *American Chemical Society* (pp. 204-218). Washington, D.C.: American Chemical Society.

Role: Designed experiments, collected and analyzed data, and wrote manuscript

Rosner, M.R., Friedman, B., McCaffrey, P.G., McLain, K., & **Wattenberg, E.** (1990), *Modulation of Growth Factor Action by TPA and NonTPA-type Tumor Promoters* (vol. 2, pp. 199-218). Boca Raton, Florida: CRC Press, Inc.

Role: Designed experiments, collected and analyzed data, and helped write the manuscript

TEACHING

Course/Program Development

Program Director, BS/MPH 4+1 Program Development

2016 - present

Scheduled Teaching

The courses I have taught most recently are as follows:

PUBH 6102: Issues in Environmental & Occupational Health

PUBH 6112: Environmental Health Risk Assessment

PUBH 8160: Advanced Toxicology

PUBH 7194: Integrated Learning Experience: Environmental Health

PUBH 7196: Applied Practice Experience Environmental Health

PUBH 7195: MS Environmental Health Plan B Project

Course	Year
PUBH 3104: Environmental Health Effects: Toxicology	Fall 2009, Fall 2010, Fall 2011, Fall 2012, Fall 2013, Spring 2016, Spring 2017, Fall 2017, Spring 2019
PUBH 3193: Environmental Health: Directed Studies	Spring 2019, Summer 2019, Summer 2020
PUBH 5101: Master's Project: Environmental Health	Fall 2002, Spring 2003, Summer 2003, Fall 2003, Spring 2004, Summer 2004, Fall 2004, Spring 2005, Summer 2005
PUBH 5102: Field Experience: Environmental Health	Fall 2002, Spring 2003, Summer 2003, Fall 2003, Spring 2004, Summer 2004, Fall 2004, Spring 2005, Summer 2005
PUBH 5104: Environmental Health Effects	Fall 1999, Fall 2000, Summer 2003, Fall 2003, Summer 2004, Fall 2004
PUBH 5161, PUBH 6161: Regulatory Toxicology	Fall 2002, Spring 2004, Spring 2006, Spring 2008, Spring, 2011, Spring 2012, Spring 2013, Spring 2015
PUBH 5193: Directed Study: Environmental and Occupational Health	Summer 2002, Fall 2002, Spring 2003, Summer 2003, Fall 2003, Spring 2004, Summer 2004, Fall 2004
PUBH 6100: Topics in Environmental Health: Urban Ecosystems, Environmental Health Impacts of Living Streets	Spring 2014
PUBH 6100: Topics: Environmental Health: Science, Politics, and Policy	Spring 2014, Fall 2016, Spring 2017, Spring 2018
PUBH 6102: Issues in Environmental & Occupational Health	Spring, Summer, Fall 2020, Spring, Summer 2021, Spring, Summer, Fall 2022, Spring 2023
PUBH 6104: Environmental Health Effects	Fall 2005, Summer 2006, Fall 2006, Fall 2007, Summer 2008, Summer 2010, Fall 2014, Fall 2015, Fall 2016
PUBH 6109: Environmental Health: Science, Politics & Policy	Spring 2019
PUBH 6112: Environmental Health Risk Assessment	Spring 2012 – Spring 2021, Spring 2023

PUBH 6135: Job Search & Professional Development	Fall 2019
PubH 6160 Principle of Toxicology II, co-teach	Spring 2023
PUBH 7194: Culminating Experience: Environmental Health/ Integrated Learning Experience: Environmental Health	Fall 2005 - present
PUBH 7195: MS Environmental Health Plan B Project	Fall 2019 - present
PUBH 7196: Applied Practice Experience Environmental Health	Fall 2018 - present
PUBH 8100: Topics: Environmental Health	Fall 2014 – Spring 2018
PUBH 8101: Directed Research: Environmental and Occupational Health	Fall 2002, Spring 2003, Summer 2003, Summer 2003, Fall 2003, Spring 2004, Summer 2004, Summer 2004, Fall 2004, Spring 2005, Summer 2005
PUBH 8160: Advanced Toxicology	Fall 2020 – Fall 2021
PUBH 8161: Current Literature in Toxicology	Spring 2001, Spring 2002, Spring 2003, Spring 2004, Spring 2005, Spring 2007, Fall 2007, Spring 2008, Fall 2008, Fall 2009, Fall 2010
PUBH 8163: Toxicology	Fall 2009, Fall 2010, Fall 2011, Fall 2012
PUBH 8194: Directed Research: Environmental Health	Fall 2005, Spring 2011, Spring 2012, Spring 2013, Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2018, Spring 2019, Spring 2020
BIOC 4793W: Directed Studies	Fall 2009
MICA 8004: Cellular & Cancer Biology	Spring 2002
MICA 8004: Cellular & Molecular Pathology	Spring 2001
NUTR 8617: Cancer and Chemoprevention	Spring 2001

Instructional Activity

University of Minnesota

Program Director, BS/MPH 4+1 Program Development	2016 - present
Guest Lecture, CHEM 4601 Green Chemistry	2019, 2020
Guest Lecture, PubH 3100/7200 Introduction to Occupational and Environmental Health	2011 -2012
Guest Lecture, Law 6875 Law, Health & the Life Sciences, Proseminar	2011
Participant, Mid-Career Faculty Learning Community	2008 - 2009
Guest Lecture, AnSc/CMB 8344 Mechanisms of Hormone Action	2006
Guest Lecture, Nutr 8617/PubH 8162 Chemical Carcinogenesis and Chemoprevention	2001, 2002, 2005
Guest Lecture, InMd 6120 Foundations of Preventive Medicine	2002
Guest Lecture, MICa 8004 Cellular and Molecular Pathobiology	2001-2002
Guest Lecture, ES 1010 Issues in the Environment	1997
Guest Lecture, Txcl 8572 Investigative Toxicology	1996 - 1997
Guest Lecture, Interdepartmental Studies 5525 Garbage, Government and the Globe	1995 - 1997

Guest Lecture, PubH 5158 Health Risk Evaluation 1991, 1997
 Guest Lecture, PubH 5253 Hazardous Waste Management 1995 - 1996

Hanoi Medical University, International MPH Program

Guest Lecture, Environmental Health, Hanoi Medical University,
 International MPH Program 2017 - 2022

Macalester College

Guest Lecture, BIOL394/ENVI394: Environment, Health and Society 2018

ADVISING AND MENTORING

Graduate Student Activities

Advisees

Master's Degree

Sara Zentner, MPH (2022)	2022 - present
Emma Brown (2022, 4+1)	2022 - present
Madeline Kotz (2022, 4+1)	2022 - present
Victoria Deitschman (2022, 4+1)	2022 - present
Jessica Livingston (2020, 4+1)	2020 - 2022
Baily Aktinson (2020, 4+1)	2020 - 2022
Ridwan Said (2020, 4+1)	2020 - 2022
Maryam Zahedi (MS, 2020)	2020 - 2022
Firehiwot Bediye, Environmental Health, MPH, 4+1	2020 - 2021
Margretta Ciessau, Environmental Health, MPH, 4+1	2020 - present
Drew Persson, Environmental Health, MPH, 4+1	2020 - 2021
Gitanjali Raman, Environmental Health, MPH, 4+1	2020 - 2021
Joshua Smith, Environmental Health, MPH, 4+1	2020 - 2021
Narmada Venkateswaran, Environmental Health, MPH, 4+1	2020 - 2021
Hajira Wehelie, Environmental Health, MPH, 4+1	2020 - 2021
Sandra Osei, Environmental Health, MPH	2019 - 2020
Katharine Young, Environmental Health, MPH, 4+1	2019 - 2020
Elizabeth Johnson, Environmental Health, MPH, 4+1	2019 - 2020
Alex Mord, Environmental Health, MS	2019 - 2020
Chantel Wang, Environmental Health, MS	2019 - 2020
Danielle Hinz	2019 - 2022
Katherine Harmelink, Environmental Health, MS	2018 - Present
Jia Mikuls, Environmental Health, MPH	2018 - present
Elizabeth Hill, Environmental Health, MPH	2018 - 2021
Nathan Schneider, Environmental Health, MPH	2017 - 2021
Kimberly Harber, Environmental Health, MS	2016 - Present
Yihua Bai, Environmental Health, MS	2018 - 2020
Mateo Frumholtz, Environmental Health, MPH, 4+1	2018 - 2020
Grace Pankratz (4+1), Environmental Health, MPH	2018 - 2019
Madeline Schenk (4+1), Environmental Health, MPH	2018 - 2019

Kari Carlson, Environmental Health, MPH, 4+1	2017 - 2018
Sarah Zahirudin, Environmental Health, MPH, 4+1	2015 - 2017
Mary Kosuth, Environmental Health, MS	2013 - 2017
Devavani Chatterjea, Environmental Health, MPH	2015 - 2017
Sheena Ahrar, Environmental Health, MPH	2015 - 2017
Yoon-Sung Nam, Environmental Health, MPH	2015 - 2017
Christina Schultz, Environmental Health, MPH	2015-2016
Rachel Adams, Environmental Health, MPH	2014 - 2016
Myah Walker, Environmental Health, MPH	2014 - 2016
Katherine Fallace, Environmental Health, MPH	2014 - 2016
Molly Hein, Environmental Health, MS	2014 - 2016
Myah Walker, Environmental Health, MPH	2014 - 2016
Teegan Wydra, Environmental Health, MPH	2013 - 2016
Christopher Kim, Environmental Health, MPH	2014 - 2015
Suzanne Canney, Environmental Health, MPH	2013 - 2015
Hannah Davis, Environmental Health, MPH	2013 - 2015
Elizabeth Narten, Environmental Health, MPH	2013 - 2015
Elizabeth Robertson, Environmental Health, MPH	2015
Frank Bettmann, Environmental Health, MS	2012 - 2015
Veranika Krenn, Environmental Health, MPH	2013 - 2015
Elizabeth Vold, Environmental Health MPH	2012 - 2014
David Dassenko, Environmental Health, MS	2011 - 2014
Emily Yang, Environmental Health, MPH	2012 - 2014
Fatimaezzahra Amchich, Environmental Health, MPH	2011 - 2014
Emily Gilbertson, Environmental Health, MPH	2013 - 2014
YeonSil Kim, Environmental Health, MPH	2011 - 2014
Natasha Cardinez-Singh, Environmental Health, MPH	2012 - 2013
Michael Scheidt, Environmental Health, MPH	2010 - 2013
Ashley Suchomel, Environmental Health, MPH	2011 - 2013
Joseph Colianni, Environmental Health, MPH	2010 - 2013
David Bell, Environmental Health, MPH	2010 - 2013
Sarah Korb, Environmental Health, MPH	2010 - 2013
Jeanette McCauley, Environmental Health, MS	2007 - 2012
Katherine Waddick, Environmental Health, MS	2011 - 2012
Hanna Henscheid, Environmental Health, MPH	2011 - 2012
Jeanette McCauley, Environmental Health, MS	2009 - 2012
Bradford Bagley, Environmental Health, MS	2008 - 2010
Nicole Koktavy, Environmental Health, MS	2009 - 2010
Sajidkhan Pathan, Environmental Health, MPH	2007 - 2009

Erica Bohan, Environmental Health, MPH	2007 - 2009
Matthew Mccammon, Environmental Health, MPH	2008 - 2009
Majken Hall, Environmental Health, MPH	2007 - 2009
Jonathan Gerber, Environmental Health, MS	2006 - 2008
Robyn Scherber, Environmental Health, MPH	2006 - 2008
Heather Kehn, Environmental Health, MPH	2004 - 2008
Misato Hirano, Environmental Health, MPH	2005 - 2007
Bonnie Brooks, Environmental Health, MS	2006 - 2007
Benjamin Lehmann, Environmental Health, MPH	2004 - 2007
Kelly Olson, Environmental Health, MS	2005 - 2006
Margaret Byrne, Environmental Health, MS	2004 - 2006
Sarah Johnson, Environmental Health, MS	2005 - 2006
Charity Hovey, Environmental Health, MPH	2002 - 2005
Stuart Cameron, Environmental Health, MPH	2002 - 2004
Natasha Cavalcante, Environmental Health, MPH	2002 - 2004
Jessica Mattke, Environmental Health, MPH	2002 - 2004
Timothy McKeone, Environmental Health, MS	2001 - 2003
Anne Zielinski, Environmental Health, MPH	2001 - 2003
Matthew Tjosaas, Environmental Health, MS	2002 - 2003
Deanna Scher, Environmental Health, MPH	2002 - 2003
Therese Fick, Environmental Health, MPH	1999 - 2002
Surekha Pagidipala, Environmental Health, MPH	2001 - 2002
Sarah Northrop, Environmental Health, MS	2000 - 2002
Kathleen Slingerland, Environmental Health, MPH	2009 - 2011
Angela Preimesberger, Environmental Health, MS	1999 - 2000
Daisy Cross, Environmental Health, MS	1997 - 1999
Frank Kohlasch, Environmental Health, MS	1997 - 1999
Monica Bastien, Environmental Health, MS	1996 - 1999
Ann Johnson, Environmental Health, MS	1998 - 1999
Yenfu Li, Environmental Health, MS	1996 - 1998
Teresa Kurtz, Environmental Health, MPH	1996 - 1998
Deanna Luebker (Nabbefeld), Environmental Health, MS	1997 - 1998
Kimberly Sandrock, Environmental Health, MPH	1995 - 1997
Neil Morton, Environmental Health, MS	1992 - 1996
King Hsia, Environmental Health, MPH	1994 - 1996
John Buresh, Environmental Health, MPH	1994 - 1996

Doctoral students

Michelle Meyer, Environmental Health PhD Thesis: <i>Classical Swine Fever and Food Security: Modeling the impact of trade restrictions on transboundary animal disease control in U.S. and Canadian swine</i>	2012 - 2016
Bradford Bagley, Environmental Health, PhD	2008 – 2011; 2009 - 2011
Sarah Gilpin, Environmental Health, PhD Thesis: <i>A laboratory and literature based evaluation of allergic contact dermatitis to fragrance chemicals.</i>	2006 - 2010
Nicholette Zeliadt, Environmental Health, PhD Thesis: <i>Negative regulation of oncogenic Ras signaling by mitogen-activated protein kinase phosphatase-3</i>	2005 - 2010
Deanna Luebker, Environmental Health, PhD Thesis: <i>The Reproductive and Developmental Toxicity of Perfluorooctanesulfonate (PFOS) in Rats</i>	2003 - 2005
Margaret Byrne, Environmental Health, PhD	2003 - 2005
Alecia Mobley, Environmental Health, PhD	2003 - 2004
Janel Warmka, Environmental Health, PhD Thesis: <i>The Regulation of Extracellular Signal-Regulated Kinase by the Tumor Promoter Palytoxin in Initiated Cells that Express Oncogenic Ras.</i>	2000 - 2004
Shunan Li, Environmental Health, PhD	1998 - 2000
Shana Morrell, Environmental Health, PhD	1994 - 1997

Committee Advising

Doctoral Final Committee: Committee Chair

Vu Thuy Huong Le Environmental Health, PhD Thesis: <i>Temperature, Heat Waves, Crime, and Injuries in Hanoi, Vietnam</i>	2021 - 2022
Hitakshi Sehgal, Environmental Health, PhD Thesis: <i>SINGLE ETHNICITY STUDY OF HIGH BLOOD PRESSURE AND LOCAL NEIGHBORHOOD ENVIRONMENTS IN PARSI POPULATION IN MUMBAI</i>	2018 - 2019
Ashley Terrell, Environmental Health, PhD Thesis: <i>The Mutagenic Potential of Furan and its Metabolite cis-2-Butene-1,4-dial.</i>	2011 - 2012
Anna Urban, Environmental Health, PhD Thesis: <i>Formation and Repair of Pyridyloxobutyl DNA Adducts and their Relationship to Tumor Yield in A/J Mice.</i>	2010 - 2012
Dawn Errede, Environmental Health, PhD Thesis: <i>DISTRIBUTION OF MYCOTOXINS IN FUNGAL STRUCTURES.</i>	2005 - 2011
Ann Thompson, Environmental Health, PhD Thesis: <i>Monitoring and Clinical Implications of Microbial Contamination in the Healthcare Environment.</i>	2005 - 2006

Kelly Coleman, Environmental Health, PhD

2003 - 2005

Thesis: *QSAR Models of the In Vitro Steroid Hormone Receptor Activity of Alkylphenol and Bisphenol A Analogs.*

Doctoral Final Committee: Committee Member

Sarah Gilpin, Environmental Health, PhD Thesis: <i>A laboratory and literature based evaluation of allergic contact dermatitis to fragrance chemicals.</i>	2008 - 2010
Nicholette Zeliadt, Environmental Health, PhD Thesis: <i>Negative regulation of oncogenic Ras signaling by mitogen-activated protein kinase phosphatase-3.</i>	2006 - 2010
Deanna Luebker, Environmental Health, PhD Thesis: <i>The Reproductive and Developmental Toxicity of Perfluorooctanesulfonate (PFOS) in Rats.</i>	2004 - 2005
Janel Warmka, Environmental Health, PhD Thesis: <i>The Regulation of Extracellular Signal-Regulated Kinase by the Tumor Promoter Palytoxin in Initiated Cells that Express Oncogenic Ras.</i>	2002 - 2004
Jody Bonnevier, Microb/Immun/Molec Path, PhD Thesis: <i>Regulation of Primary CD4 T Cell Cycle Progression.</i>	1999 - 2003
Annette Trowbridge, Environmental Health, PhD Thesis: <i>Polychlorinated Biphenyls in the Lower Trophic Levels of the Lake Michigan Foodweb.</i>	1997 - 2001
Shunan Li, Environmental Health, PhD	1999 - 2000
Phuong-Oanh Tran, Pharmacology, PhD	1997 - 1998
Shana Morrell, Environmental Health, PhD	1996 - 1997

Doctoral Final Committee: Committee Reviewer

Joshua Ochocki, Chemistry, PhD Thesis: <i>STUDIES OF PROTEIN PRENYLATION IN LIVING SYSTEMS: IMPLICATIONS TOWARD THE BETTER UNDERSTANDING OF DISEASES.</i>	2011 - 2012
Nancy Castro, Pharmacology, PhD Thesis: <i>Regulation of Breast Tumor Kinase (Brk/PTK6) Downstream of Met Receptor Signaling Leads to Breast Cancer Cell Migration.</i>	2008 - 2010
Amanda DeGraw, Chemistry, PhD Thesis: <i>Applications of Substrate Analogues for Studies of Prenyltransferase Enzymes.</i>	2009 - 2010
James Wollack, Chemistry, PhD Thesis: <i>Exploitation of Prenylation in Biomolecules: Cell-penetrating Prenylated Peptides and Prenylated Proteins.</i>	2008 - 2009
Deanna Scher, Environmental Health, PhD Thesis: <i>Integrating Biomonitoring and Biological Plausibility into Pesticide Risk Assessment and Epidemiology: An Evaluation of Exposure Assessment Techniques.</i>	2005 - 2007

Michael Byrns, Environmental Health, PhD Thesis: <i>Determination of the Role of DNA Alkylation by cis-2-Butene-1,4- dial in Furan-Induced Carcinogenesis.</i>	2004 - 2005
Smita Kshirsagar, Pharmacology, PhD Thesis: <i>Delta Opioid Receptor-Mediated Effects on Cell Viability.</i>	1999 - 2001
Arindam Bhattacharjee, Molecular Vet Biosci, PhD	1997 - 1998
George Bollweg, Environmental Health, PhD	1997
Thomas Stephan, Pharmacology, PhD	1996 - 1997
Yuying Wu, Pharmacology, PhD	1996 - 1997
 <i>Doctoral Preliminary Committee: Committee Chair</i>	
Mary Kosuth, Environmental Health, PhD	2022
Hitakshi Sehgal, Environmental Health, PhD Thesis: <i>SINGLE ETHNICITY STUDY OF HIGH BLOOD PRESSURE AND LOCAL NEIGHBORHOOD ENVIRONMENTS IN PARSI POPULATION IN MUMBAI</i>	2011 - 2019
Genelle Lamont, Environmental Health, PhD Thesis: <i>Cigarette Smoking, Social Support, and Workplace Smoke-free Policies among an Urban American Indian Population</i>	2014 - 2016
Kristin Oehlke, Environmental Health, PhD	2012 - 2013
Ashley Terrell, Environmental Health, PhD Thesis: <i>The Mutagenic Potential of Furan and its Metabolite cis-2-Butene-1,4-dial.</i>	2010 - 2012
Anna Urban, Environmental Health, PhD Thesis: <i>Formation and Repair of Pyridyloxobutyl DNA Adducts and their Relationship to Tumor Yield in A/J Mice.</i>	2008 - 2012
Bradford Bagley, Environmental Health, PhD	2009 - 2011
Petrona Lee, Environmental Health, PhD Thesis: <i>The Restaurant Inspection as a Tool to Improve Food Safety.</i>	2008 - 2009
Hyeon Kim, Environmental Health, PhD	2004 - 2009
Kelly Coleman, Environmental Health, PhD Thesis: <i>QSAR Models of the In Vitro Steroid Hormone Receptor Activity of Alkylphenol and Bisphenol A Analogs.</i>	2003 - 2005
Deanna Luebker, Environmental Health, PhD Thesis: <i>The Reproductive and Developmental Toxicity of Perfluorooctanesulfonate (PFOS) in Rats.</i>	2003 - 2005
 <i>Doctoral Preliminary Committee: Committee Member</i>	
Vu Thuy Huong Le, Environmental Health, PhD	2020 - Present

Mohammad Mohsen Mahmoodi, Chemistry, PhD	2011 - 2017
Thesis: <i>Design and Synthesis of Caged Thiols for Development of Photo-Activatable Peptides, Inhibitors and Biomaterials</i>	
Michelle Meyer, Environmental Health, PhD	2012 - 2016
Thesis: <i>Classical Swine Fever and Food Security: Modeling the</i>	

- impact of trade restrictions on transboundary animal disease control in U.S. and Canadian swine*
- Karin Vineretsky, Environmental Health, PhD 2011 - 2014
Thesis: *INNATE IMMUNOGENETICS OF KERATINOCYTE CARCINOMAS.*
- Martin Phillips, Medicinal Chemistry, PhD 2010 - 2012
Thesis: *Characterization of the Chemical Properties of Intermediates in Furan Metabolism.*
- Joshua Ochocki, Chemistry, PhD 2008 - 2012
Thesis: *STUDIES OF PROTEIN PRENYLATION IN LIVING SYSTEMS: IMPLICATIONS TOWARD THE BETTER UNDERSTANDING OF DISEASES.*
- Dawn Errede, Environmental Health, PhD 2003 - 2011
Thesis: *DISTRIBUTION OF MYCOTOXINS IN FUNGAL STRUCTURES.*
- Sarah Gilpin, Environmental Health, PhD 2007 - 2010
Thesis: *A laboratory and literature based evaluation of allergic contact dermatitis to fragrance chemicals.*
- Nancy Castro, Pharmacology, PhD 2007 - 2010
Thesis: *Regulation of Breast Tumor Kinase (Brk/PTK6) Downstream of Met Receptor Signaling Leads to Breast Cancer Cell Migration.*
- Nichollette Zeliadt, Environmental Health, PhD 2006 - 2010
Thesis: *Negative regulation of oncogenic Ras signaling by mitogen-activated protein kinase phosphatase-3.*
- James Wollack, Chemistry, PhD 2006 - 2009
Thesis: *Exploitation of Prenylation in Biomolecules: Cell-penetrating Prenylated Peptides and Prenylated Proteins.*
- Deanna Scher, Environmental Health, PhD 2005 - 2007
Thesis: *Integrating Biomonitoring and Biological Plausibility into Pesticide Risk Assessment and Epidemiology: An Evaluation of Exposure Assessment Techniques.*
- Ying Li, Microb/Immun/Cancer Biol, PhD 2005 - 2007
- Margaret Byrne, Environmental Health, PhD 2005 - 2006
- Michael Byrns, Environmental Health, PhD 2003 - 2005
Thesis: *Determination of the Role of DNA Alkylation by cis-2-Butene-1,4- dial in Furan-Induced Carcinogenesis.*
- Janel Warmka, Environmental Health, PhD 2001 - 2004
Thesis: *The Regulation of Extracellular Signal-Regulated Kinase by the Tumor Promoter Palytoxin in Initiated Cells that Express Oncogenic Ras.*
- Mary Findorff, Environmental Health, PhD 2001 - 2003
Thesis: *An Evaluation of Work-Related Violence in the Health Care Industry.*
- Jody Bonnevier, Microb/Immun/Molec Path, PhD 1998 - 2003
Thesis: *Regulation of Primary CD4 T Cell Cycle Progression.*

Smita Kshirsagar, Pharmacology, PhD Thesis: <i>Delta Opioid Receptor-Mediated Effects on Cell Viability.</i>	1996 - 2001
Annette Trowbridge, Environmental Health, PhD Thesis: <i>Polychlorinated Biphenyls in the Lower Trophic Levels of the Lake Michigan Foodweb.</i>	1996 - 2001
Hyungmo Kim, Social Work, PhD	1999 - 2000
Shunan Li, Environmental Health, PhD	1998 - 2000
Arindam Bhattacharjee, Molecular Vet Biosci, PhD	1997 - 1998
Thomas Jabusch, Water Resources Science, PhD Thesis: <i>Mechanistic Studies of the Bioaccumulation of Polychlorinated Biphenyls in Phytoplankton.</i>	1998
Phuong-Oanh Tran, Pharmacology, PhD	1996 - 1998
Thomas Stephan, Pharmacology, PhD	1995 - 1997
Yuying Wu, Pharmacology, PhD	1995 - 1997
Shana Morrell, Environmental Health, PhD	1994 - 1997

Master's Thesis/Research Committee: Committee Chair

Yihua Bai, Environmental Health, MS	2020
Alex Mord, Environmental Health, MS	2020
Chantel Wang, Environmental Health, MS	2019 - 2020
Magdalena Osorio, Environmental Health, MS	2019
Cheryl Lewer, Environmental Health, MS	2019
Stephen Campbell, Environmental Health, MS	2018
Mary Kosuth, Environmental Health, MS	2017
Sneha Raghavan, Environmental Health, MS	2016
Frank Bettmann, Environmental Health, MS	2014 - 2015
David Dassenko, Environmental Health, MS	2013 - 2014
Tesha Alston, Biological Sciences M B S	2014
Jeanette McCauley, Environmental Health, MS	2009 - 2012
Katherine Waddick, Environmental Health, MS	2011 - 2012
Bradford Bagley, Environmental Health, MS	2011
Stephanie Fettig-Scholl, Biological Science M Bio Sci	2010 - 2011
Nicole Kuktavy, Environmental Health, MS	2009 - 2010
Jonathan Gerber, Environmental Health, MS	2007 - 2008
Bonnie Brooks, Environmental Health, MS	2006 - 2007
Kelly Olson, Environmental Health, MS	2005 - 2006
Sarah Johnson, Environmental Health, MS	2005 - 2006
Timothy McKeone, Environmental Health, MS	2003 - 2004
Sarah Northrop, Environmental Health, MS	2001 - 2002
Daisy Cross, Environmental Health, MS	1998 - 1999

Frank Kohlasch, Environmental Health, MS	1997 - 1999
Monica Bastien, Environmental Health, MS	1998 - 1999
Yenfu Li, Environmental Health, MS	1997 - 1998
Deanna Luebker, Environmental Health, MS	1997 - 1998
Neil Morton, Environmental Health, MS	1996

Master's Thesis/Research Committee: Committee Member

Nicholas Hanson, Bioinform & Comp Biol, MS	2020 - 2023
Thomas Hexum, Environmental Health, MS	2019
Marlo Henry, Environmental Health, MS	2014
Colin Owens, Environmental Health, MS	2013
Kelsey Hohol, Environmental Health, MS	2013
Syeda Maheruq, Environmental Health, MS	2013
Jeffrey Caudill, Environmental Health, MS	2012
Derek Nyberg, Biological Science M B S	2011 - 2012
Mohammad Mohsen Mahmoodi, Chemistry, MS	2011 - 2012
Donald Rust, Environmental Health, MS	2011 - 2012
Soo Chae, Environmental Health, MS	2003 - 2011
David Cera, Environmental Health, MS	2011
Alyssa Olson, Environmental Health, MS	2009 - 2010
Steven Fuchs, Environmental Health, MS	2010
Stacy Culbert, Environmental Health, MS	2009
Hyeon Kim, Environmental Health, MS	2001 - 2009
Joshua Ochocki, Chemistry, MS	2008 - 2009
Melinda Hexum, Environmental Health, MS	2008 - 2009
Mieko Iikawa, Toxicology, MS	2008
Bufford Ang, Environmental Health, MS	2006 - 2008
Ying Li, Microb/Immun/Cancer Biol, MS	2007
Thesis: <i>Role of ADAMI7 in the Ectodomain Shedding of the Adhesion Molecule L-Selectin.</i>	
Margaret Byrne, Environmental Health, MS	2006
Ji Eun Kim, Pharmacology, MS	2005
Jon Springsted, Environmental Health, MS	2003
Ann Johnson, Environmental Health, MS	1998 - 1999
Carol Johnson, Environmental Health, MS	1995 - 1996

Master's Thesis/Research Committee: Committee Reviewer

Baigalmaa Tsolmonbaatar, Environmental Health, MS	2017
---	------

POST DOC, RESIDENT, AND TRAINEE SUPERVISION/MENTORSHIP

Ziming Yu	1998 - 1999
-----------	-------------

SERVICE

Service to the Discipline/Profession/Interdisciplinary Area(s)

Chair

Co-chaired poster session at the Gordon Conference on Mechanisms of Toxicity 1998

Counselor

Society of Toxicology, Northland Chapter 2005 - 2006

Editorial Board Member

Toxicology and Applied Pharmacology 2003 - Present

Grant Proposal Reviewer

American Heart Association 2004-2007

Department of Defense Breast Cancer Research Program 2005

Environmental Protection Agency 2002

Medical Research Council of the United Kingdom 2014

National Institutes of Health 2005 - 2011

National Institutes of Occupational Safety and Health 2018, 2019

Swiss National Sciences Foundation 2012

Member

External Review Team for the Environmental Sciences Graduate Program, University of Nevada 2008

Sigma Delta Epsilon, Graduate Women in Science 1998 - 2000

United States Department of Agriculture National Agricultural Pesticide Impact Assessment Program Team 1995 - 1996

Outside Examiner

Kenyon College Biology Department, Honors Exams 2016

President

Society of Toxicology, Northland Chapter 2004 - 2005

Reviewer

American Journal of Physiology, Cell Physiology 2020

Chemical Research in Toxicology 2020

John Wiley & Sons 2020

Taylor and Francis 2020

Toxicological Sciences 2020

Toxicology and Applied Pharmacology 2020

Secretary

Society of Toxicology, Molecular Biology Specialty Section 2003 - 2005

Service to the University/College/Department

University of Minnesota

College

Member, SPH Educational Policy Committee 2010 - Present

Chair, SPH Environmental Health Sciences Curriculum Committee	2017 - 2020
Member, 4+1 Bachelor/MPH program admissions committee	2015 - Present
Director, 4+1 Bachelor/MPH Program	2015 - Present
Chair, SPH Committee to Implement the MPH Applied Practice Experience and Integrative Learning Experience	2016 - 2018
Co-Chair, SPH Committee on the Revision of the MPH Core Curriculum	2015 - 2018
Chair, SPH Educational Policy Committee	2013 - 2015
Chair, SPH Doctoral Dissertation Fellowship Selection Committee	2011
Member, SPH Futures Committee for Teaching and Learning	2009 - 2010
Representative, Health Sciences Policy and Review Council	2000 - 2010
Member, SPH Recognition Awards and Honors Committee	2005 - 2006
Member, Faculty Consultative Committee/Policy Council	2005
Member, Selection Committee for the School of Public Health Predoctoral Merit Fellowship Program for entering PhD Students	2002 - 2003
Member, SPH Genetics Committee	2001
Member, Student Admissions Committee	2000
Member, SPH Appointment, Promotion, and Tenure Ad Hoc Committee	1998
Member, SPH Recognition Awards and Honors Committee	1994 - 1997
<i>Department</i>	
Member, Education Committee	2000 - Present
Member, Faculty Search Committee	2020
Chair, SPH, MPH in the Division of Environmental Health Sciences	2019 - 2020
Director, SPH Graduate Studies, Environmental Health	2000 - 2018
Member, Laboratory Committee	1995 - 2016
Member, Faculty Administrative Committee	1997 - 1998
Member, Education Committee	1994 - 1997
Member, Teaching Committee	1994 - 1997
<i>University</i>	
Member, University of Minnesota Health Sciences Associate Deans and Program	2019 – present
Member, Professional Education Council	2019 – present
Member, Graduate Associate Deans Committee	2019 – present
Member, Undergraduate Education Executive Committee	2022 – present
Member, Professional Education Policy Workgroup	2023 - present
Member, Digital Arts, Sciences, & Humanities Program (DASH) Faculty Advisory Committee	2019

Member, Academic Health Center Research Development Grant Program, Grant Proposal Review Committee	2004
Member, AHC Small Grants Program Grant Proposal Review Committee	2012
Member, Cancer Center Brainstorm Award Grant Proposal Review Committee	2006

Member, Graduate School Fellowship Grant Proposal Review Committee	2009
Member, Graduate School Grant-In-Aid Program, Grant Proposal Review Committee	2002-2003
Member, Minnesota Cancer Center Minnesota Chemoprevention Consortium Grants Grant Proposal Review Committee	2012
Member, Thesis Research Grant Proposal Review Committee	2006
Member, Institutional Biosafety Committee (IBC)	2017 - 2020
Member, Campus Curriculum Committee	2018 - 2019
Member, Graduate Education Council	2012 - 2015
Member, Joint Degree Program in Law, Health & the Life Sciences Governing Committee	2000 - 2014
Member, Graduate School Executive Committee	2004 - 2010
Chair, Health Sciences Policy and Review Council	2004 - 2010
Member, Graduate School Fellowship Committee	2009
Member, Graduate School Reorganization Implementation Team	2009
Member, Search Committee for the Vice Provost and Dean of Graduate Education	2009
Member, Faculty Committee on Committees	2008 - 2009
Member, Executive Committee, Joint Degree Program in Law, Health & Life Sciences	2006 - 2009
Member, Graduate School Thesis Research Grant Committee	2006
Member, Graduate School Academic Grievance Committee	2003 - 2004
Member, Health Sciences Policy and Review Council	2000 - 2004

University of Nevada, Reno

University

Member, Environmental Sciences External Review Team for Graduate Program, University of Nevada-Reno	2008 - Present
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Hanoi Medical University, Vietnam

University

Liaison, USAID One Health Workforce Project, Hanoi Medical University MPH Project	2017 - 2019
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Public and External Service

Team Lead, SPH Case Investigation for Medical Reserve Corps Volunteers	2020
Member, Minnesota Chemical Regulation Project Work Group	2010
Member, Institutional Biosafety Committee for GalaGen, Inc.	1995
Consultant, Metropolitan Mosquito Control District	1995