

Curriculum Vitae

Gloria B. Post, Ph.D., D.A.B.T.

Office:

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Education:

Ph.D., Pharmacology. Thomas Jefferson University, Philadelphia, PA, 1982.
Doctoral thesis topic: Effects of enzyme induction on microsomal benzene metabolism.
Advisor: Dr. Robert Snyder

A.B. with Honors. Biochemical Sciences, Princeton University, Princeton, NJ, 1977.
Senior thesis topic: On the effect of multiple copies of the oligopeptide permease gene in *E. coli*.
Advisor: Dr. Charles Gilvarg

Certification:

Diplomate of the American Board of Toxicology (since 1990, with recertifications).

Professional Experience:

Research Scientist, Division of Science and Research, New Jersey Department of Environmental Protection, Trenton, NJ (1986-present).

General Responsibilities

Responsible for development of human health criteria, standards, and guidance for drinking water, ground water, surface water, soil, and fish consumption, including risk assessment approaches, toxicological basis, and exposure assumptions.

Member of the New Jersey Drinking Water Quality Institute (DWQI), a legislatively established advisory body that recommends drinking water standards to NJDEP, since 2006.

Provide toxicology and risk assessment support for Health Effects Subcommittee of the DWQI (since 1986). Primary author or co-author of numerous DWQI Health-based Maximum Contaminant Level Support documents posted at http://www.nj.gov/dep/watersupply/g_boards_dwqi.html

Provide technical support to NJDEP programs on health effects, risk assessment, and other topics related to per- and polyfluoroalkyl substance (PFAS) in drinking water and other environmental media.

Responsible for coordination of consistent human health risk assessment approaches among NJDEP programs. Member of NJDEP Standards Coordination Committee.

NJDEP Liaison with NJDEP Science Advisory Board Public Health Standing Committee. Responsible for developing background documents and charge questions for issues to be considered by the Panel.

Chair of Risk Assessment Subcommittee of New Jersey Interagency Toxics in Biota Committee which is responsible for development of New Jersey's health-based fish advisories, including PCBs, dioxins, chlordane, and others.

Assist with development of regulatory proposals related to human health-based criteria and standards and in providing responses to public comments related to health effects and risk assessment on these proposals.

Responsible for initiating, developing, and managing research projects related to toxicology and risk assessment.

Provide general toxicology and risk assessment expertise and technical support to NJDEP.

Examples of Major Past and Present Assignments:

Development of risk assessment approaches for perfluorooctanoic acid (PFOA), perfluorooctane sulfonate (PFOS), and perfluorononanoic acid (PFNA) in drinking water and ground water.

Lead writer for Health Effects Section of Interstate Technology & Regulatory Committee (ITRC) PFAS Technical and Regulatory Document that is forthcoming.

Development of major comment submitted on human health effects and risk assessment of PFAS submitted by NJDEP to USEPA, NC SAB, NHDES, PADEP, and ATSDR.

Provide/provided technical support for NJDEP Science Advisory Board reports on Approaches for Addressing Unregulated Contaminant in Drinking Water, Identification and Prioritization of Emerging Contaminants, Considerations for Regulation of Additional Air Toxics, and Approaches for Development of Acute Health-based Criteria.

Development of process for prioritization and review of contaminants for development of new and updated New Jersey drinking water, ground water, surface water, and soil remediation standards.

Development and update of documents providing the toxicological basis for New Jersey's drinking water and/or ground water standards and guidance for PFOA, PFOS, PFNA, volatile organic chemicals, MTBE, arsenic, ethylene glycol, perchlorate, 1,2,3-trichloropropane, boron, and many other contaminants.

Provided technical basis for publicly available Compendium of New Jersey Environmental Standards posted at <http://www.nj.gov/dep/standards/> .

Initiated project to review the toxicity factors for the New Jersey human health criteria (~300 chemicals) which are based on the USEPA IRIS database, to determine need for update or revision.

Co-Principal Investigator for research project funded by the Cancer Institute of New Jersey, Estimation of Lifetime Cancer Risk from Dioxin Contamination in Commonly Consumed Fish and Crabs from New Jersey Waters.

Member of Risk Assessment Subgroup of NJDEP Chromium Workgroup which developed an oral cancer slope factor for hexavalent chromium based on the recent National Toxicology Program chronic drinking water study of this chemical.

Chair of the NJDEP MTBE Work Group that produced a comprehensive report “MTBE in New Jersey’s Environment.”

Member of national Solubility/Bioavailability Research Consortium formed to develop and assess *in vitro* approaches for determining bioavailability of metals from contaminated soils.

Member of Interagency Work Group (coordinated by USEPA) on the Toxicity of Styrene-Acrylonitrile (SAN) Trimer, a drinking water contaminant of concern in Dover Township (Toms River), New Jersey. This group provided input to the National Toxicology Program as to the design of the ongoing perinatal carcinogenicity study for the SAN Trimer and will evaluate the results of the study when it is completed.

Adjunct Instructor. College of Pharmacy, Rutgers University, Piscataway, NJ (1986-1988).

Lecturer on endocrine pharmacology and non-steroidal anti-inflammatory drugs in General Pharmacology course.

Research Associate. Department of Biochemistry. Thomas Jefferson University, Philadelphia, PA (1983-1986).

Conducted research funded by NIH grant on mechanism of benzene toxicity.

Research Associate. Department of Pharmacology. Duke University, Durham, NC (1982-1983).

Conducted research funded by NIH grant on mechanism of toxic interactions of benzo(a)pyrene and sulfur dioxide. Supervised technician and graduate student.

Advisory Boards, Expert Panels, and Reviews:

NIEHS (2017 - 2019). Reviewer for several individual proposals for rapid funding. Chair of review group for one R21 proposal. Reviewer for Superfund Research Center proposals.

Connecticut Academy of Sciences & Engineering (2018-present). Member of Technical Advisory Committee for post-doctoral fellow who is evaluating emerging contaminants/PFAS at CT Dept. of Energy and Environment.

Interstate Technology & Regulatory Council (ITRC) PFAS Team (2016-present). Lead writer for Health Effects section, and member of Risk Communication and Risk Assessment subgroups for Technical & Regulatory Guidance Document. Member of Regulatory Summary and Manufacturing & Use Fact Sheet subgroups.

USEPA (2018). Peer reviewer for draft Human Health Drinking Water Benchmarks for Pharmaceuticals.

NIOSH (2010; 2015). Reviewer for Skin Notation Profiles.

USEPA (2014). Peer reviewer for draft report, “Assessment of Potential Toxicity of Chemicals Present in Hydraulic Fracturing Fluids, Flowback and Produced Waters.”

United States Government Accountability Office (2014). Selected as expert for report on chemical toxicity assessments conducted by Federal agencies.

Delaware River Basin Commission Toxics Criteria Subcommittee (2014-2016). Serve as NJDEP representative.

New Jersey Governor’s Council on the Prevention of Developmental Disabilities (2013-present). Serve as NJDEP representative.

Maine Department of Health (2013). Reviewer for drinking water Draft Maximum Contaminant Level for PFOA.

Connecticut Department of Health (2013). Reviewer for drinking water Draft Maximum Contaminant Level for Trichloroethylene.

Agency for Toxics Substances and Disease Control (2013). Reviewer for Draft Toxicological Profile for Trichloroethylene.

United States Government Accountability Office (2013). Selected as expert for report on USEPA Unregulated Contaminant Monitoring Rule and emerging drinking water contaminants.

USEPA (2012). Invited to speak as the representative of state risk assessors at IRIS Public Stakeholder Meeting.

USEPA Science Advisory Board (2010). IRIS Trichloroethylene Review. Lead writer for non-cancer dose response charge questions.

USEPA (2009-present). Reviewer for Provisional Peer Reviewed Toxicology Values.

USEPA Science Advisory Board Exposure and Human Health Science Standing Committee (2009-2015).

USEPA Office of Water (2007). Reviewer for Draft Drinking Water Health Advisories.

New Jersey Drinking Water Quality Institute and its Health Effects Subcommittee. Member (2006-present). Serve as *ex officio* representative of NJDEP Division of Science, Research and Environmental Health. Technical Support (1986-2006). Primary author of many reports and risk assessment documents.

New Jersey Commission on Cancer Research – Epidemiology, Environmental, and Control Advisory Group (1987-1992).

Federal-State Toxicology and Risk Analysis Committee (FSTRAC) (1987-present). Planning Committee member (1990-present). FSTRAC is an organization of USEPA and state scientists with responsibility for human health risk assessment drinking water and ambient water contaminants. Responsible for planning and chairing 1999 and 2009 meetings in Princeton, NJ.

Publications:**(Peer-reviewed journal articles, peer-reviewed book chapters, major reports, and additional publications)**

- Pachkowski, B., Post, G.B., Stern, A.H. (2019). The derivation of a Reference Dose (RfD) for perfluorooctane sulfonate (PFOS) based on immune suppression. *Env. Research* 171: 452-469.
- Goodrow, S.M, Ruppel, B., Lippincott, L., Post, G.B. (2018). Investigation of levels of perfluorinated compounds in New Jersey fish, surface water, and sediment. New Jersey Department of Environmental Protection. Division of Science, Research, and Environmental Health. SR15-010. June 18, 2018.
<https://www.nj.gov/dep/dsr/publications/Investigation%20of%20Levels%20of%20Perfluorinated%20Compounds%20in%20New%20Jersey%20Fish.%20Surface%20Water.%20and%20Sediment.pdf>
- Post, G.B., Gleason, J.A., Cooper, K.R. (2017). Key scientific issues in developing drinking water guidelines for perfluoroalkyl acids – contaminants of emerging concern.) *PLoS Biol* 15(12): e2002855. <https://doi.org/10.1371/journal.pbio.2002855>.
- Post, G.B. (2015). Book chapter: Principles and approaches for human health risk assessment of environmental contaminants. In: *Toxicology and Risk Assessment, Principles and Applications*. Editors: A.M. Fan, E.M. Khan, and G.V. Alexeeff. Pan Stanford Publishing.
- Gleason, J.A., Post, G.B, and Fagliano, J.A. (2015). Associations of perfluorinated chemicals (PFCs) serum concentrations and select biomarkers of health in the US population (NHANES), 2007-2010 *Env. Research* 136: 8-14.
- Post, G.B. (2015). Technical Support Document: Interim Specific Groundwater Criterion for Perfluorononanoic Acid (PFNA, C9). New Jersey Department of Environmental Protection, June 2015 (90 pages).
- Post, G.B. and Louis, J.B. (2014). Perfluorinated compounds as emerging drinking water contaminants. In: *Pipeline – The Newsletter of NJ AWWA*. Spring 2014.
- Post, G.B., Louis, J.B., Lippincott, R.L., and Procopio, N.A. (2013). Occurrence of perfluorinated chemicals in raw water from New Jersey public drinking water systems. *Env. Sci. Technol.* 47: 13266-75.
- Post, G.B. (2013). Review of “Grandjean, P and Budtz-Jørgensen, E. Immunotoxicity of perfluorinated alkylates: calculation of benchmark doses based on serum concentrations in children. *Environ. Health.* 12: 35.” (Review is publicly available on journal website).
- Post, G.B., Cohn, P.D., and Cooper, K.R. (2012). Perfluorooctanoic acid (PFOA), an emerging drinking water contaminant: a critical review of recent literature. *Env. Res.* 116: 93-117.
- Murphy, E.A., Post, G.B., Buckley, B.T., Lippincott, R.L., and Robson, M.G. (2012). Future challenges to protecting public health from drinking water contaminants. *Annu. Rev. Public Health* 33: 209-224.
- Post, G.B., Cohn, P.D., and Atherholt, T.A. (2011). Book Chapter: Health and Aesthetic Aspects of Water Quality. In: *Water Quality and Treatment: A Handbook of Community Water Supplies, American Water Works Association, 6th edition*. J. Edzwald, editor. McGraw-Hill, New York. 2.1-2.100.

- Stern, A.H., Post, G.B., Buchanan, G.A., Korn, L.R., and Ruppel, B. (2010). Estimated lifetime cancer risk from dioxin contamination in commonly consumed fish and crabs from New Jersey waters. Final report submitted to Cancer Institute of New Jersey.
- Post, G.B., Cooper, K.R., Louis, J.B., and Lippincott, R.L. (2009). Response to comment on "Occurrence and potential significance of perfluorooctanoic acid (PFOA) detected in New Jersey public drinking water systems." *Environ. Sci. Technol.* 43: 8699-8700.
- Post, G.B., Louis, J.B., Cooper, K.R., Boros-Russo, B.J., and Lippincott, R.L. (2009). Occurrence and potential significance of perfluorooctanoic acid (PFOA) detected in New Jersey public drinking water systems. *Environ. Sci. Technol.* 43: 4547-4554.
- Post, G.B. and Stern, A.H. (2006). Comments on article "Toxicity and carcinogenicity of chromium compounds in humans" by Costa and Klein. *Crit. Rev. Toxicol.* 36: 777-778.
- Buchanan, G.A., Stern, A.H., and Post, G.B. (2005). "Fish Consumption Advisories" in Water Encyclopedia. J. Lehr, J. Keeley, J. Lehr, and T.B. Kingerey III eds., John Wiley & Sons, Hoboken, NJ.
- Toccalino, P.L., Norman, J.E., Phillips, R.H., Kauffman, L.J., Stackelberg, P.E., Nowell, L.H., Krietzman, S.J., and Post, G.B. (2004). Application of Health-Based Screening Levels to Ground-Water Quality Data in a State-Scale Pilot Effort: U.S. Geological Survey Scientific Investigations Report SIR 2004-5174.
- Toccalino, P.L., Stackelberg, P.E., Kauffman, L.J., Nowell, L.H., Krietzman, S.J., and Post, G.B., (2003). Application of Health-Based Screening Levels to Ground-Water Quality Data in a State-Scale Pilot Effort [abs.]: USGS Public Health Conference: Natural Science and Public Health - Prescription for a Better Environment, April 1-3, 2003, Reston, VA, U.S. Geological Survey Open-File Report 03-097, p. 27.
- Toccalino, P.L., Nowell, L.H., Wilber, W.G., Zogorski, J.S., Donohue, J.M., Eiden, C.A., Krietzman, S.J., and Post, G.B., (2003). Development of Health-Based Screening Levels for Use in State- or Local-Scale Water-Quality Assessments: U.S. Geological Survey Water Resources Investigations Report WRIR 03-4054, 22 p.
- Post, G.B. (2003). Dermal Absorption of Inorganic Arsenic from Water. White paper summary. New Jersey Department of Environmental Protection. Division of Science Research and Technology. January 2003. <http://www.state.nj.us/dep/dsr/research/dermal-arsenic-whitepaper.pdf>
- Post, G. (2001). MTBE in New Jersey's Environment. Report of NJDEP MTBE Workgroup, G. Post, Chair. New Jersey Department of Environmental Protection. <http://www.state.nj.us/dep/dsr/mtbe/MTBE-NJ.PDF>
- Ruby, M.V., Schoof, R., Brattin, W., Goldade, M., Post, G., Harnois, M., Mosby, D., Casteel, S., Berti, W., M. Carpenter, M., Edwards, D., Cragin, D., and Chappell, W. (1999). Advances in evaluating the oral bioavailability of inorganics in soil for use in human health risk assessment. *Environ. Science and Technology* 33: 3697-3705.
- Post, G.B., Barattta, M., Wolfson, S., and McGeorge, L. (1993). Information resources used in health risk assessment by the New Jersey Department of Environmental Protection. Access/Use Info. Resources Assess. Health Risk Chem. Expos '93.

- Butler, J.P., Post, G.B., Liroy, P.J., Waldman, J.M., and Greenberg, A. (1993). Assessment of carcinogenic risk from personal exposure to benzo(a)pyrene in the Total Human Environmental Exposure Study (THEES). *Air and Waste* 43: 970-977.
- Nessel, C.S., Butler, J.P., Post, G.B., Held, J.L., Gochfeld, M., and Gallo, M.A. (1991). Evaluation of the relative contribution of exposure routes in a health risk assessment of dioxin emissions from a municipal waste incinerator. *J. Exp. Anal. Environ. Epidemiol.* 1, 283-307.
- Kalf, G.F., Post, G.B., and Snyder, R. (1987). Solvent toxicology: Recent advances in the toxicology of benzene, the glycol ethers, and carbon tetrachloride. *Ann. Rev. Pharmacol. Toxicol.* 27: 399-427.
- Post, G.B., Snyder, R., and Kalf, G.F. (1986). Metabolism of benzene and phenol in macrophages *in vitro* and the inhibition of RNA synthesis by benzene metabolites. *Cell Biology and Toxicology* 2: 231-246.
- Post, G.B., Snyder, R., and Kalf, G.F. (1985). Inhibition of RNA synthesis and interleukin-2 production in lymphocytes *in vitro* by benzene and its metabolites, hydroquinone and p-benzoquinone. *Toxicol. Letters* 29: 161-167.
- Leung, K-H, Post, G.B., and Menzel, D.B. (1985). Glutathione S-sulfonate, a sulfur dioxide metabolite, as a competitive inhibitor of glutathione S-transferase, and its reduction by glutathione reductase. *Toxicol. Appl. Pharmacol.* 77: 388-394.
- Post, G.B., Snyder, R., and Kalf, G.F. (1984). Inhibition of mRNA synthesis in rabbit bone marrow nuclei *in vitro* by quinone metabolites of benzene. *Chem-Biol. Interact.* 50: 203-211.
- Post, G.B. and Snyder, R. (1983). Effects of enzyme induction on microsomal benzene metabolism. *J. Tox. Environ. Health* 11: 811-825.
- Post, G.B. and Snyder, R. (1983). Fluoride stimulation of microsomal benzene metabolism. *J. Tox. Environ. Health* 11: 799-810.
- Post, G.B., Keller, D.A., Connor, K.A., and Menzel, D.B. (1983). Effects of culture conditions on glutathione content in A549 cells. *Biophys. Res. Commun.* 114: 737-742.

Presentations and Lectures:

- 16th International Symposium on Persistent Toxic Substances (October 2019, to be presented). Health Effects Basis for New Jersey Drinking Water Standards (Maximum Contaminant Levels) for PFOA, PFOS, and PFNA (keynote talk). Stevens Institute of Technology, Hoboken, NJ.
- Rutgers Environmental Health Summit - What's in Our Drinking Water? (October 2019, to be presented). Drinking Water Contaminants and Standards: An Overview. Newark, NJ.
- Rutgers EOHSI-NIEHS Seminar (October 2019, to be presented). PFAS in New Jersey's Environment. Piscataway, NJ.
- New Jersey Section American Water Works Association Fall Meeting (October 2019, to be presented). State Drinking Water Guidelines for PFAS. Neptune, NJ.

- SETAC North America Focused Topic Meeting on Environmental Risk Assessment of PFAS (August 2019). Invited presentation – Risk Characterization: State Perspectives. Durham, NC.
- Northeastern University Per- and Polyfluoroalkyl Substances: Second National Conference (June 2019). PFAS in New Jersey’s Environment - NJDEP Evaluation and Response. Boston, MA.
- Northeastern University Per- and Polyfluoroalkyl Substances: Second National Conference (June 2019). Presented workshop on development of state drinking water guidelines for PFAS. Boston, MA.
- Defense Environmental Restoration Program (DERP) Forum. (May 2019). NJDEP Maximum Contaminant Levels (MCLs) for PFOA, PFOS & PFNA: Regulatory and Scientific Basis. Saint Louis, MO.
- Hudson-Delaware Regional Chapter of SETAC Spring Meeting (April 2019). PFAS in New Jersey’s Environment - NJDEP Evaluation and Response. Princeton, NJ.
- NJDEP (April 2019; February 2018 - two sessions). Overview of Risk Assessment and Human Health Standards for Non-Risk Assessors. Trenton, NJ.
- Rutgers University School of Public Health (April 2019). Lecture to graduate course on Environmental Risk Assessment – “Case Study: Risk assessment of PFAS in Drinking Water”. Piscataway, NJ.
- Federal-State Toxicology and Risk Analysis Committee – Webinar (April 2019). NJDEP Maximum Contaminant Levels (MCLs) for PFOA, PFOS & PFNA: Regulatory and Scientific Basis (webinar).
- New Jersey Department of Environmental Protection (March 2019). Human Health Effects and Risk Assessment of PFAS. Division of Science and Research. Contaminants of Emerging Concern Symposium. Trenton, NJ.
- ECOS PFAS Caucus (March 2019). NJDEP Maximum Contaminant Levels (MCLs) for PFOA, PFOS & PFNA: Regulatory and Scientific Basis (webinar).
- Columbia University Mailman School of Public Health (January 2018; January 2019). Lecture to graduate course on Environmental Determinants of Health – “Drinking Water Contaminants and Standards: An Overview”. Bronx, NY.
- New Jersey Drinking Water Quality Institute (December 2018). 1,4-Dioxane: Overview & NJDEP Ground Water Quality Criterion. Lawrenceville, NJ.
- USEPA Region 3 Contaminants of Emerging Concern Workgroup (December 2018). Occurrence and Human Health Risk Assessment of PFAS in New Jersey’s Environment (webinar).
- Hudson-Delaware Chapter of SETAC (October 2018). Recently Adopted NJDEP Maximum Contaminant Levels for Perfluorononanoic Acid and 1,2,3-Trichloropropane. Villanova University, Villanova, PA.
- Duke University Symposium on Emerging Contaminants in the Ambient Environment: Perspectives to Guide North Carolina’s Per- and Polyfluoroalkyl Substances (PFAS) Monitoring Network

(October 2018). Occurrence and Human Health Risk Assessment of PFAS in New Jersey's Environment. Durham, NC.

USEPA Office of Research and Development (October 2018). Occurrence and Human Health Risk Assessment of PFAS in New Jersey's Environment. Research Triangle Park, NC.

NCNJ Air & Waste Management Association (March 2018). PFCs/PFAS: Emerging Environmental Contaminants & NJDEP Update (webinar).

State/USEPA Monitoring and Assessment Program Workgroup (February 2018). PFCs/PFAS: Emerging Environmental Contaminants (webinar).

University of California at San Francisco Program on Reproductive Health and the Environment Rapid Response Network call group (January 2018). Update on PFAS in drinking water issues. (webinar).

Mid-Atlantic Society of Toxicology Symposium on Drinking Water Contaminants (October 2017). Invited presentation - Drinking Water Contaminants and Drinking Water Standards: An Overview. Edison, NJ.

New Jersey Institute of Technology (September 2017). Department of Chemistry and Environmental Science Seminar. Perfluorinated Chemicals in New Jersey Drinking Water - Occurrence and Risk Assessment. Newark, NJ.

Rider University (February 2017). Health Sciences Seminar: Evaluation of Contaminants in New Jersey Drinking Water. Lawrenceville, NJ.

New Jersey Department of Environmental Protection (December 2016). Perfluorooctanoic acid: An emerging drinking water contaminant in New Jersey: Occurrence and Risk Assessment. Division of Science, Research and Environmental Health Science Symposium. Trenton, NJ.

Bennington College (October 2016). Perfluorooctanoic acid: An emerging drinking water contaminant. Bennington, VT.

Hudson-Delaware Regional Chapter SETAC Fall Meeting. (October 2016). Occurrence and significance of perfluoroalkyl substances (PFAS) in New Jersey public drinking water systems. Sandy Hook, NJ.

Federal-State Toxicology and Risk Analysis Committee – Webinar (October 2016). New Jersey Drinking Water Quality Institute draft reports to support an MCL recommendation for PFOA.

New Jersey Drinking Water Quality Institute. (September 2016). Health-based Maximum Contaminant Level Support Document: Perfluorooctanoic Acid (PFOA) - Health Effects Subcommittee Report. Posted at <http://www.nj.gov/dep/watersupply/pdf/pfoa-hb-talk.pdf> Lawrenceville, NJ.

The College of New Jersey. Environmental Chemistry Course. (March 2015; March 2016). Introduction to drinking water quality issues. Ewing Township, NJ.

- New Jersey Drinking Water Quality Institute. (September 2015). 1,2,3-Trichloropropane (1,2,3-TCP): Health effects & risk assessment. Posted at <http://www.nj.gov/dep/watersupply/gminutes/dwqi-trich.pdf>. Lawrenceville, NJ.
- Rutgers University Office of Continuing Professional Education-Safe Drinking Water Act Regulatory Update (February 2015). Perfluorinated chemicals: Emerging drinking water contaminants. New Brunswick, NJ.
- New Jersey Section American Water Works Association Fall Meeting (October 2014). Perfluorinated chemicals: Emerging drinking water contaminants. Neptune, NJ.
- League of Women Voters of Camden County, Cherry Hill, NJ (September 2014). Drinking water quality in New Jersey.
- New Jersey Governor's Council for Prevention of Developmental Disabilities, Hamilton, NJ (September 2014). Perfluorinated compounds in New Jersey drinking water.
- National Water Monitoring Conference, Cincinnati, OH (April 2014). Perfluorinated chemicals - emerging drinking water contaminants and occurrence in New Jersey public water supplies.
- New Jersey Drinking Water Quality Institute, Lawrenceville, NJ (April 2014). DEP & DWQI work to date on perfluorinated chemicals (PFCs). Posted at <http://www.state.nj.us/dep/watersupply/pdf/dep-dwqi-work-to-date-pfoa20140429.pdf>
- New Jersey Department of Environmental Protection Office of Science Research Seminar, Trenton, NJ (April 2014). Perfluorinated chemicals: emerging drinking water contaminants.
- New Jersey Partners for Prevention Statewide Summit, New Brunswick, NJ (January 2014). Prevention of developmental effects from environmental contaminants.
- Federal-State Toxicology and Risk Analysis Committee – Webinar (June 2013). Health effects of perfluorinated chemicals.
- Delaware River Basin Commission Toxics Advisory Committee, West Trenton, NJ (June 2013). Perfluorinated chemicals: emerging drinking water contaminants. Available at http://www.state.nj.us/drbc/library/documents/toxics060513_post.pdf
- Princeton Chapter of the American Chemical Society, Princeton, NJ (May 2013). Perfluorooctanoic acid, an emerging drinking water contaminant.
- The College of New Jersey. Environmental Chemistry Course, Ewing Township, NJ (February 2013). Perfluorinated chemicals as emerging drinking water contaminants.
- USEPA. IRIS Public Stakeholder Meeting/Webinar, Crystal City, VA (November 13, 2012). Invited to speak on “State Perspectives” as representative of state risk assessors on stakeholder panel.
- New Jersey DEP Office of Science, Trenton, NJ. (September 2012). Brown Bag Seminar: PFOA, an emerging drinking water contaminant.

- Robert Wood Johnson Medical School-University of Medicine and Dentistry of New Jersey, Medical Student Course on Clinical Prevention and Environmental Medicine, Piscataway, NJ. (February 2011). Current issues in regulation of drinking water contaminants.
- New Jersey DEP Science Advisory Board Public Health Standing Committee, Trenton, NJ (October 2010). Development of New Jersey human health-based criteria and standards.
- Federal-State Toxicology and Risk Analysis Committee, Arlington, VA (October 2010). Update on perfluorinated chemicals.
- Federal-State Toxicology and Risk Analysis Committee, Princeton, NJ (October 2009). New and Revised New Jersey Health-based MCLs.
- Federal-State Toxicology and Risk Analysis Committee, Princeton, NJ (October 2009). Co-presenter with H. Goeden). Derivation of health-based guidance for PFOA, PFBA, PFBS, and PFHxS.
- American Water Works Association New Jersey Section Fall Meeting. PFOA: Health Effects. October 7, 2009. Columbus, NJ.
- New Jersey Section American Water Works Association Fall Meeting, Lakewood, NJ. (October 2008). Krietzman, S. and Post, G. Perfluorooctanoic acid (PFOA) in drinking water.
- Federal-State Toxicology and Risk Analysis Committee, Arlington, VA. (October 2008). Compilation of state drinking water standards and guidelines on HSDB/TOXNET.
- Federal-State Toxicology and Risk Analysis Committee, Arlington, VA. (October 2008). New Jersey's health-based guidance in the absence of toxicity data.
- Federal-State Toxicology and Risk Analysis Committee, Durham, NC. (October 2007). Update on chromium risk assessment in New Jersey.
- Federal-State Toxicology and Risk Analysis Committee, Durham, NC (October 2007). New Jersey health-based drinking water guidance for PFOA.
- Federal-State Toxicology and Risk Analysis Committee, Clearwater, FL (October 2006). Update on New Jersey's chromium risk assessment activities.
- Federal-State Toxicology and Risk Analysis Committee, Clearwater, FL (October 2006). Occurrence of PFOA in public water supplies in New Jersey.
- Federal-State Toxicology and Risk Analysis Committee, Washington, DC (October 2005). New Jersey proposed Health-based Maximum Contaminant Level for perchlorate.
- New Jersey Science Education Leadership Association Meeting, New Brunswick, NJ (2004). Human health concerns and the environment.
- Federal-State Toxicology and Risk Analysis Committee (October 2004). Approaches for development of a human health-based ground water quality criterion for PFOA in New Jersey.
- UMDNJ School of Public Health, Graduate course in Environmental Risk Assessment (2004). Toxicology and risk assessment of dioxin.

- Federal-State Toxicology and Risk Analysis Committee, Madison, WI (2003). Occurrence of unregulated contaminants in surface water, ground water, and public drinking water supplies in New Jersey.
- Federal-State Toxicology and Risk Analysis Committee, Washington, DC. (2003). Understanding New Jersey Private Well Testing Act results.
- New Jersey Water Environment Association (2003). Emerging environmental health and ecological issues in New Jersey.
- NJDEP Division of Science, Research, and Technology Research Seminar, Trenton, NJ. (2003). Preliminary assessment of health information on unregulated synthetic organic contaminants detected in ground water samples.
- Federal-State Toxicology and Risk Analysis Committee, Albany, NY (October 2002). Unified risk assessment approach for possible human carcinogens.
- New Jersey American Water Works Association Annual Meeting, Atlantic City, NJ (2001). Drinking water research programs at New Jersey Department of Environmental Protection.
- Federal-State Toxicology and Risk Analysis Committee, Durham, NC (November 2000). New Jersey human health and drinking water research.
- Federal-State Toxicology and Risk Analysis Committee, Princeton, NJ (May 1999). Approaches for developing health-based ground water criteria in the absence of sufficient toxicological data, with styrene acrylonitrile trimer as the example discussed.
- Federal-State Toxicology and Risk Analysis Committee, Arlington, VA. (December 1998). State approaches for MTBE risk assessment.
- Federal-State Toxicology and Risk Analysis Committee, Albany, NY (December 1993). Exposure considerations for human health-based ambient water quality standards.
- Federal-State Toxicology and Risk Analysis Committee, Albany, NY (Ma 1993). Development of New Jersey drinking water standard for MTBE.
- Graduate Program in Environmental Sciences, New Jersey Institute of Technology (1990). Risk assessment and the development of health-based drinking water standards.
- Hudson/Delaware SETAC Regional Meeting, New Brunswick, NJ (1989). Human health risk assessment for swimmers near the Ciba-Geigy ocean outfall.
- Dept. of Environmental and Community Medicine, UMDNJ-Robert Wood Johnson Medical School, Human Exposure Assessment course (1988). Development and use of biological markers in exposure assessment.

Abstracts of poster and platform presentations:

- Post, G.B., Pachkowski, B., Gleason, J.A. (2019). New Jersey Maximum Contaminant Levels for PFOA, PFOS, and PFNA. SETAC North America Focused Topic Meeting – Environmental Risk Assessment of PFAS. August 12-15, 2019. Durham, NC.

- Goodrow, S.M., Ruppel, B., Lippincott, L., Post, G.B. (2019). Statewide screening study of perfluorinated compounds in New Jersey fish, surface water, and sediment. SETAC North America Focused Topic Meeting – Environmental Risk Assessment of PFAS. August 12-15, 2019. Durham, NC.
- Post, G.B. and Gleason, J.A. (2015). Risk assessment of chronic drinking water exposure to perfluorononanoic acid (PFNA). Presented at FLUOROS 2015 - An International Symposium on Fluorinated Organics in the Environment. July 12-14, 2015. Golden, Colorado.
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Professional Affiliations and Activities:

- Society of Toxicology (1984-present).
 -Full Member (1989-present).
 -Member of Risk Assessment Specialty Section, Occupational and Public Health Specialty Section, and Women in Toxicology Special Interest Group.
- Mid-Atlantic Society of Toxicology (from its founding in 1981-present).
 -Secretary (2010-2013.)
 -Program Committee (1988-1992; 2002-2016).
 -Education and Outreach Committee (2009-present; Co-chair: 2017-present).
- Hudson-Delaware Chapter Society of Environmental Toxicology and Chemistry (2016- present).
- Sigma Xi, Thomas Jefferson University Chapter (1981-present).

Awards:

- Gail P. Carter Memorial Science Award (2010 and 2014).
 First (2010) and 2014 recipient of annual award which recognizes a NJDEP Office of Science scientist who has made major contribution to environmental science and/or has used their scientific expertise to significantly improve New Jersey's environment or guide NJDEP policy.
- New Jersey American Water Works Association Research & Technology Transfer Committee
 Drinking Water Research Award (2014).
 Presented annually to an individual who has made important contributions to drinking water research and /or technology transfer for an extended period of time.

Journal Peer Reviewer:

- Environmental Health
 Environment International
 Environmental Pollution
 Environmental Research
 Environmental Science & Technology
 Environmental Science & Technology Letters
 Food and Chemical Toxicology
 Human and Ecological Risk Assessment
 International Journal of Hygiene and Environmental Health

Journal of Environmental Chemical Engineering
Journal of Environmental Monitoring
Journal of Exposure Science and Environmental Epidemiology
Human and Ecological Risk Assessment
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Expert Witness:

Toxicology, Grand Jury for Passaic County, NJ Prosecutor's Office in criminal case involving environmental contamination (1997).