

BIOGRAPHICAL SKETCH

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NAME: Weisel, Clifford P.

eRA COMMONS USER NAME (credential, e.g., agency login): CPWEISEL

POSITION TITLE: Professor, Environmental and Occupational Health

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
SUNY at Stony Brook	B.S.	1974	Chemistry
University of Rhode Island	M.S.	1978	Analytical Chemistry
University of Rhode Island	Ph.D.	1981	Chem. Oceanography

A. Personal Statement

I am a Professor in the Department of Environmental and Occupational Health and for the last two decades have directed the Joint Graduate Program in Exposure Science. My research is through inter-disciplinary approach in the field of Exposure Science. This has included my designing exposure science studies that have included development and utilization of analytical techniques for measuring biomarkers and environmental contaminants in controlled laboratory and field studies to determine the relationship between environmental exposures and health. I have collaborated with scientists from a variety of backgrounds to understand exposure and health. I have overseen several multi-investigator, multi-university projects. My studies have led to the publication of more than 120 peer-reviewed articles and book chapters dealing with many issues relevant to application of biomarkers. I recently co-authored a book with Dr. Liroy entitled: Exposure Science: Basic Principle and Applications, Academic Press, 2015. I have been invited to be on numerous review panels for the National Academy of Sciences, NIH, EPA, NJ Department of Environmental Protection and am on the board of trustee of Health and Environmental Sciences Institute (HESI-ILSI).

B. Positions and Honors**Positions and Appointments**

1974-1981	Research & Teaching Assistant, Graduate School of Oceanography and Department of Chemistry, University of Rhode Island, Kingston, Rhode Island
1981-1983	National Research Council Postdoctoral Fellow at NOAA/AOML, Miami FL
1984-1985	Computer Consultant associated with the Plagman Group and Price Waterhouse, NY, NY
1985-1989	Research Scientist with the Research Foundation of CUNY - College of Staten Island, Staten Island, NY
1986-1989	Adjunct Assistant Professor, Graduate Program in Environmental Science, Biology Dept. and Chemistry Dept., College of Staten Island, Staten Island, NY
1989-present	Member of the Graduate Faculty of Rutgers The State University of NJ
1989-present	Member of the Environmental and Occupational Health Sciences Institute
1989-1994	Assistant Professor, Dept. of Environmental and Occupational Medicine, UMDNJ-Robert Wood Johnson Medical School
1994-2002	Associate Professor, Dept. of Environmental and Occupational Medicine, UMDNJ-RWJMS
1995-present	Deputy Director, Exposure Measurement and Assessment Division, Environmental and Occupational Health Sciences Institute (EOHSI)
2000-2002	Associate Professor, Environmental and Occupational Health Division, UMDNJ-School of Public Health
2002-2015	Tenured Professor, Dept. of Environmental and Occupational Medicine, UMDNJ-RWJMS
2015-present	Tenured Professor, Dept. of Environmental and Occupational Health, Rutgers University-School of Public Health

Honors

1981-1983	National Research Council Postdoctoral Fellowship Award
1999-2012	Associate Editor, Journal of Exposure Analysis & Environmental Epidemiology
2000	New Jersey Center for Environmental Indicators Excellence Award
2000-2003	Treasurer, International Society of Exposure Analysis
2003	Forchhener Visiting Professor of Genetics at Hebrew University
2001-2005	Associate Editor, Journal of Air Waste and Management Association
2006-2008	President, International Society of Exposure Analysis
2010-present	Member US EPA Science Advisory Board on Exposure and Human Health Committee
2010-present	Member NJ DEP Science Advisory Board – Public Health Standing Committee
2013	ISES Jerome J. Wesolowski Award in recognition of outstanding contributions to the knowledge and practice of human exposure science
2015-present	Member US EPA Board of Scientific Councilors, Chemical Safety and Sustainability National Research Program
2017-present	Board of Trustee – Health and Environmental Sciences Institute (HESI)

C. Recent Peer Reviewed Publications

1. Boyle, EB, Deziel, NC, Specker, BL, Collingwood, S, Weisel, CP, Dellarco, MJ, and Wright, DJ Feasibility and Informative Value of Environmental Sample Collection in the National Children's Vanguard Study, *Environmental Research*, 2015. Apr 23;140:345-353. doi: 10.1016/j.envres.2015.04.006.
2. LaKind, JS, Goodman, M, Barr, DB, Weisel, CP and Schoeters, G, Lessons learned from the application of BEES-C: Systematic assessment of study quality of epidemiologic research on BPA, neurodevelopment, and respiratory health., *Environmental International*, 2015. Apr 14;80:41-71. doi: 10.1016/j.envint.2015.03.015,
3. Kwon, J, Weisel, CP, Morandi, MT, Stock, T, Source proximity and meteorological effects on residential outdoor VOCs in urban areas: Results from the Houston and Los Angeles RIOPA studies, *Science of the Total Environment*, 573, 954-964, 2016. doi: 10.1016/j.scitotenv.2016.08.186
4. Gholizadeh, A, Voiry, D, Weisel, C, Gow, A, Laumbach, R, Kipen, H, Chhowalla, M, Javanmard, M, Toward point-of-care management of chronic respiratory conditions: Electrochemical sensing of nitrite content in exhaled breath condensate using reduced graphene oxide, *Microsystems & Nanoengineering*, 3, 17022, published on line May 2017 doi:10.1038/micronano.2017.22
5. Weisel, CP, Fiedler, F, Weschler, CJ, Oham-Strickland, P, Mohan, K, McNeil, K and Space, D. Human Symptom Responses to Bioeffluents, Short-chain Carbonyls/Acids and Long-chain Carbonyls in a Simulated Aircraft Cabin Environment, *Indoor Air*, 27(6), 1154-1167, 2017 | DOI: 10.1111/ina.12392
6. Sagona, J, Meng, Q and Weisel, CP Accuracy and practicality of a portable ozone monitor for personal exposure estimates, *Atmospheric Environment*, 127, 120-126, 2018.
7. Zhou, J, Tierney, NK, McCarty, TJ, Black, KG, Hernandez, M, Weisel, CP, Estimating Infants' and Toddlers' Inhalation Exposure to Fragrance Ingredients in Baby Personal Care Products. *International Journal of Occupational and Environmental Health*, 23(4) 291-298, 2017, Published online 2018 Jun 7. Doi: 10.1080/10773525.s2018.1475446
8. Son, Y; Wackowski, O; Weisel, C; Schwander, S; Mainelis, G; Delnevo, C; Meng, Q, "Evaluation of e-vapor nicotine and nicotyrine concentrations under various e-liquid compositions, device settings, and vaping topographies", *Chemical Research in Toxicology*, 31(9), 861-868, 2018.
9. Fiedler, N, Weisel, C, Nwankwo, C, Kipen, H, Lange, G, Ohman-Strickland, P, Laumbach, R Chronic Exposure to Solvents Among Construction Painters: Reductions in Exposure and Neurobehavioral Health Effects, *Journal of Occupational and Environmental Medicine*, 60(12), e663-e670, 2018
10. Zhou, J, Mainelis, G, Weisel, CP Pyrethroid levels in toddlers' breathing zone following a simulated indoor pesticide spray, *Journal of Exposure Science and Environmental*, 29, 389-396, 2019.
11. Graber, JM, Alexander, C, Laumbach, RJ, Black, K, Strickland, P, Georgopoulos, PG, Marshal, EG, Shendell, D, Alderson, D, Mi, Z, Mascari, M, Weisel CP, Per- and polyfluoroalkyl substances (PFAS) blood levels after contamination of a community water supply and comparison with 2013-14 NHANES, *Journal Exposure Science and Environmental Epidemiology*, 29, 172-182, 2019