

Curriculum Vitae
Ellen M. Wells, PhD, MPH, MEM

CONTACT INFORMATION

Address: Hampton Hall Room 1269
550 Stadium Mall Drive
West Lafayette, IN 47907
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Email: wells54@purdue.edu

EDUCATION

- 2009 Doctor of Philosophy (PhD)
Dissertation: *The relationship of metal and metalloid exposure during pregnancy with cardiovascular risk factors*
Division of Environmental and Occupational Health, Department of Environmental Health Sciences, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland
- 2006 Risk Sciences and Public Policy Certificate. Risk Sciences and Public Policy Institute, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland
- 2004 Master of Public Health (MPH)
Thesis: *Effects of school bus travel on asthma severity*
Division of Environmental Health Sciences, Department of Epidemiology & Public Health, School of Medicine, Yale University, New Haven, Connecticut
- 2004 Master of Environmental Management (MEM)
Focus: Environment, health, and policy
School of Forestry and Environmental Studies, Yale University, New Haven, Connecticut
- 1998 Bachelor of Arts (BA)
Major: Biology; Minor: Environmental Studies
Oberlin College, Oberlin, Ohio
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PROFESSIONAL EXPERIENCE

- 2021-current Associate Professor of Public Health. Department of Public Health, Purdue University; West Lafayette, Indiana.
- 2019-current Associate Professor of Environmental and Occupational Health. School of Health Sciences, Purdue University; West Lafayette, Indiana.
- 2019-2020 Associate Professor (*Courtesy*). Department of Public Health, Purdue University; West Lafayette, Indiana.
- 2014-2019 Assistant Professor (*Courtesy*). Department of Construction Science and Organizational Leadership, Purdue University Northwest; Westville, Indiana.
- 2013-2019 Assistant Professor of Environmental and Occupational Health. School of Health Sciences, Purdue University; West Lafayette, Indiana.

2012-2013 Adjunct Instructor. Department of Epidemiology and Biostatistics, Case Western Reserve University School of Medicine, Cleveland, Ohio

2009-2013 Postdoctoral Scholar. Department of Environmental Health Sciences, Case Western Reserve University School of Medicine, Cleveland, Ohio

2009-2013 Coordinator, Center for Environmental Health and Human Ecology. Cleveland Museum of Natural History, Cleveland, Ohio

2004-2008 Doctoral research and research assistant. Department of Environmental Health Sciences, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland.

2005-2006 Student Intern. U.S. Environmental Protection Agency (US EPA), National Center for Environmental Economics, Washington, DC

2003-2004 Masters research (MPH) and research assistant. Center for Perinatal, Pediatric and Environmental Epidemiology (CPPEE), Department of Epidemiology and Public Health, Yale University, New Haven, Connecticut.

2002-2003 Student Intern. Urban Resources Initiative, School of Forestry & Environmental Studies, Yale University, New Haven, Connecticut

Summer 2002 Science Staff Intern. Health Effects Institute, Boston, MA

2000-2001 Project Coordinator. Alliance for the Prudent Use of Antibiotics, Boston, Massachusetts

1998-2000 Environmental Management & Training Volunteer. U.S. Peace Corps, Svoge, Bulgaria

January 1998 Undergraduate research (Winter Term Project for Oberlin College). Rainbow Babies & Children's Hospital, Cleveland, Ohio

TEACHING EXPERIENCE

Purdue University (2013-current)

Instructor SA 10222, International Public Health (2018-2019, study abroad, Dublin)
 SA 10601, Int. Health in London, Edinburgh, Dublin (2016, study abroad)
 HSCI 590, Practical Applications of Epidemiology (2015)
 HSCI 201, Principles of Public Health Science (2014, 2016-2020)
 HSCI 345, Introduction to Environmental & Occupational Health Sciences (2014)
 HSCI 547, Environmental Epidemiology (2013-2015) renamed Fundamentals of Epidemiology (2016-2020)
 ENGL 393/ANTH 393/NRES498, Interdisciplinary Approach to Environmental and Sustainability Studies (2019-2020)
 HSCI 520, Environmental Health Risk Assessment (2021)

Guest Lecturer HSCI 201, Principles of Public Health Science, "Climate Change and Public Health" (2015); "Epidemiology" and "Healthcare Delivery" (2021).
 SCI 360, Great Issues of Science and Society, "Challenges of Epidemics" (2014), "Health Effects of Climate Change" (2015)
 HSCI 101, Introduction to Health Professions, "Epidemiology" (2014-2018, 2020)
 HSCI 575, Introduction to Environmental Health, "Environmental Epidemiology Part 1"; "Environmental Epidemiology Part 2" (2014, 2016-2019); "Environmental Epidemiology" (2020).
 NUTR 612, Obesity: Behavior, Physiology, and Policy, "Environmental Obesogens" (2013)
 HSCI 19501, Honors Seminar, "Environmental epidemiology and children's health", "Environmental epidemiology research" (2013, 2014, 2019)
 HSCI 696, Seminar. "Environmental epidemiology & children's health: current and future research"; "BPA and its replacements in pregnant women" (2013, 2015)

HSCI 345, Introduction to Environmental and Occupational Health Sciences. “EPA and Environmental Health Research” (2013-2020); “Metals” and “Exposure Limits and Guidelines” (2014) “Environmental Epidemiology Part 1”, “Environmental Epidemiology Part 2” (2014-2020);
HSCI 545, Advanced Topics in Exposure Assessment “Exposure Assessment in Environmental Epidemiology” (2017);
ILS 595, Introduction to Systematic Review for Health Sciences, “Bias” (2019)
PUBH 100, Introduction to Public Health, “Environmental Health” (2020, 2021)
PUBH 202, Health in the Time of Pandemics, “Epidemiology – Rates and Media Coverage”, “Climate Change and Health” (2020)

Visiting scholar mentorship Yuangzhong Zhou, PhD, visiting scholar (from Zunyi, China), (2015-2016)

Postdoctoral scholar mentor Eric Ward, PhD, (2017)
Danelle Rolle-McFarland, PhD, (2018)

Graduate student major advisor Danelle Rolle-McFarland, PhD student, (2014-2017)
Zainab Hasan, PhD student, (2015-2018)
Christelene Horton, PhD student, (2015-2018)
Alexander Hughes, MS student, (2015-2017)
Spencer Thomas, MS student, (2015-2017)
Mahmoud Nour, MS student, (2015-2016)
Erick Cleveland, MS student, (2015-2016)
Andrea Wilkerson, MS student (2015-2016)
Brittany Logsdon, MS student (2015-2016)
Kelly Dwyer, MS student (2015-2016)
Kelsey Hall, MS student (2016-2017)
Tomasz Wilmanski, MPH student, (2017)
Amanda Kaiser, PhD student, (2018-2019)
Keturah Kiper, PhD student (2018-)
Cecelia Chapin, MS student, (2018-2019)
Dillon Dishon, MS student (2019-)
Jane Muriuki, MS student (2020-)
Salma Akhter, PhD student (2021-)

Advisory committee member Eric Ward, PhD student (2014-2017)
Andrew Fattic, MS student (2015)
Katherine Horzman, PhD student (2016)
Victoria Leffel, MPH student (2016-2017)
Ola Wasel, MPH student (2016-2017) and MS student (2017-2018)
Amanda Kaiser, MPH student (2017-2018)
Lan Jin, MPH student (2017-2018)
Alexandra Bianco, MPH student (2017-2018)
Ellen Gundlach, MPH student (2017-2018)
Lauren Hagen, MPH student (2017-2018)
Rachel Ragland, MPH student (2017-2018)
Danelle Rolle-McFarland, MPH student (2017-2018)
David Wang, MPH student (2017-2018)
Sarah Null, MPH student (2017-2018)
Amy Rupp, MPH student (2017-2018)
Nickolaus Bairnsfather, MPH student (2017-2018)

Kelly Higgins, MPH student (2017-2018)
Kanza Zafar, MPH student (2017-2018)
Li Liao, PhD student (2018-)
Janiel Ahkin Chin Tai, PhD student (2018-)
Ashlee Sheahan, MPH student (2018-2019)
Kyle Ostrowski, MS student (2018-2019)
Sana Tabbasum, PhD student (2018-)
Meredith Cervi, MPH student (2018-2019)
Christelene Horton, MPH student (2018-2019)
Kasia JayJack, MPH student (2018-2019)
Caitlin Shepler, MPH student (2018-2019)
Tara Temkar, MPH student (2018-2019)
Joshua Brown, MS student (2018-)
Dandan Zhang, PhD student (2019-)
Gediwon Milky, PhD student (2019-)
Angela Collins, MPH student (2019-2020)
Melissa Junk, MPH student (2019-2020)
Naomi Kilembo, MPH student (2019-2020)
Nikole Leigh Miller, MPH student (2019-2020)
Taylor Moehling, MPH student (2019-2020)
Matthew Paarlberg, MPH student (2019-2020)
Sirun Chen, MPH student (2019-2020)
David (Tyler) Bobo, MS student (2019-)
Jane Muriuki, MS student (2019-2020)
Zoe Starkey, MPH student (2020)
Cecelia Chapin, MPH student (2020)
John Anello, MPH student (2020)
Saeed Alqahtani, PhD student (2021)
Jung Hyun Lee, PhD student (2021-)
Nathan Shoaf, PhD student (2021-)

Graduate research mentor

Amy Rupp, MPH student (2018)
Patrick Ringwald, MPH student (2019)
Hannah Gallion, MPH student (2019)
Kristen Walker, MPH student (2020)
Ceceila Chapin, MPH student (2020)
Dan Phan, MPH student (2020)

Undergraduate research mentor

Madison Baker (2014-2016)
Claire Wilson (2015-2016)
Josephine Miller-Hack (2015)
Jiequong Zhou (2015-2017)
Meredith Cervi (2017)
Hannah Gallion (2017-2019)
Meredith Robbins (2018-2021)
Claire Jackson (2018-2019)
Jonghyeok Lee (2018)
Ryan O'Connell (2018-2019)
Casey Stoffel (2019)
Cara Palakias (2019)
Anukriti Aurora (2020)

Sharon Kulali (2020-)
Kenneth Burnell (2020-)
Wendi Yuan (2020)
Perry Curtis (2021-)
Belle Hinshaw (2021-)

Case Western Reserve University School of Medicine (2009-2013)

Instructor EPBI 490, Epidemiology: Introduction to Theory and Methods (2012)
Guest Lecturer EVHS 429, Introduction to Environmental Health. “Global Environmental Health”,
“Climate Change and Health”, “Environmental Epidemiology”, “Water and Health”
(2010 – 2013)
EPBI 484, Geographic Medicine and Epidemiology. Lectured on “Health effects of
Global Climate Change” and coordinated a field trip to the Cleveland Museum of Natural
History (2012)
Small Group Instructor EVHS 249, Introduction to Environmental Health (2010-2013)
EPBI 490, Epidemiology: Introduction to Theory and Methods (2009-2010)
Mentor Michaela Koontz, MPH student, advised on independent study course (2013)
Connie Tzou, MPH student, served as Capstone Committee Member (2011-2012)
Emily Janata, undergraduate summer intern (2010)

Cleveland Museum of Natural History (2009-2013)

Instructor “Climate Change and Health: Heat Waves, Zoonoses, and More!” Part of special
programming accompanying a climate change exhibit; distance learning (10/2011) and
in-person (12/2011)
“Environmental Health Basics.” Part of the “Back to Basics” certificate program offered
by the Cleveland Natural History Museum (3/2011)

Johns Hopkins University (2004-2009)

Teaching Assistant “Environmental and Occupational Law and Policy” Graduate course (2008)
“Principles of Environmental Health II” Graduate course (2008)
“Principles of Environmental Health I” Graduate course (2007)
“The Environment and Your Health” Undergraduate course (2006)

Yale University (2000-2004)

Teaching Assistant “Organic Pollutants and the Environment” Graduate course (2004)
“Principles of Evolution, Ecology & Behavior” Undergraduate course (2003)
“AIDS and Society” Undergraduate course (2002, 2003)

RESEARCH GRANTS

Current

2017-2022 United States Centers for Disease Control and Prevention/NIOSH (T03)
Role: Principal Investigator
Title: *Occupational Health and Safety Training Grant*
2018-2021 Showalter Trust Research Grant
Role: Principal Investigator
Title: *Metal contamination and children’s health in East Chicago*
2019-2021 Purdue University “Big Idea Challenge 2.0”

2019-2021 Role: Co-Investigator (PI: Kelleher)
Title: *From Cell Cultures to Community Cultures: Bringing Precision Health to Autism, Grand Challenges in Neuroscience*
Role: Co-Investigator
Title: *Elucidation of the environmental and genetic risk factors that underlie the pathogenesis of Parkinson's disease subtypes in Indiana*

2021-2022 Purdue University -- Instructional Equipment Program
Role: Principal Investigator
Title: *Field portable XRF for Occupational and Environmental Health Sciences Instruction*

Completed

2017-2019 Purdue University Center for the Environment (C4E) Seed Grant
Role: MPI (with Freeman, Acharya)
Title: *Establishment of a community-academic partnership to promote environmental and community health in Indiana.*

2017-2018 Purdue Core Facility Research Equipment Program
Role: Co-Investigator (PI: Dydak)
Title: *Acquisition of a MARS6 Microwave Digestion System*

2014-2017 United States National Institutes of Health/NIOSH (R21)
Role: Co-investigator (PI: Nie)
Title: *Bone manganese as a biomarker for early diagnosis of manganese neurotoxicity in occupationally exposed workers*

2011-2017 United States National Institutes of Health/NIEHS ONES R01 ES020529
Role: Co-Investigator (PI: Dydak)
Title: *Neuroimaging for Early Diagnosis of Manganese Toxicity in Humans and Rodents*

2016-2017 Purdue I2D Lab Seed Grant Program
Role: Co-PI (PI: Boor)
The Nandi Clean Kitchen Study

2015 Purdue University: PRF Summer Research Grants
Role: Principal Investigator
Title: *Impact of co-exposures to metals on manganese neurotoxicity*

2015-2016 Purdue University Cluster Hire Community Building Proposal
Role: Co-investigator (PI: Bailey)
Title: *Public Health Chronic Disease Prevention Faculty Cluster*

2015-2016 University of Michigan ERC (NIOSH Pilot Project Research Training Grant)
Role: Principal Investigator
Title: *Impact of welding material and exposure controls on manganese exposure and olfactory function: a natural experiment*

2014-2015 University of Illinois, Chicago ERC (NIOSH Pilot Project Research Training Grant)
Role: Principal Investigator
Title: *Impact of co-exposure to metals on manganese neurotoxicity*

2014-2015 Purdue University: HHS International Travel Grant 2014-2015
Role: Principal Investigator
Title: *Research planning at Zunyi Medical College, Zunyi, China*

2014-2015 Purdue University: 2014-15 Laboratory & University Core Facility Research Equipment Program
Role: Co-Investigator (PI: Nie)

- 2014-2015 Title: *Deuterium-deuterium (DD) based Compact Neutron Generator*
United States National Institutes of Health/NIOSH (Training Grant)
Role: Co-investigator (PI: Rosenthal)
- 2010-2014 Title: *Occupational and Environmental Health Training Grant*
Department of Housing and Urban Development
Role: Co-Investigator (PI: Greenberg, Environmental Health Watch)
Title: *Remote monitoring of home air quality for comparison of Energy Star and Deep Energy retrofits*
- 2010-2013 National Institutes of Health (National Children's Study)
Role: Co-Investigator (PI: Dearborn)
Title: *Development of a remote sensing technology for indoor air quality monitoring within the National Children's Study.*
- 2006-2009 Environmental Protection Agency, Science to Achieve Results Doctoral Fellowship
Role: Fellow (Advisor: Goldman)
Title: *The effects of heavy metal exposures during pregnancy on maternal and infant health*

FELLOWSHIPS, HONORS, AWARDS

Fellowships

- 2017-2020 Oak Ridge Institute for Science and Education (ORISE) Faculty Fellow, Environmental Protection Agency
- 2011 Reach the Decision Makers Fellowship. Program on Reproductive Health and the Environment, University of California, San Francisco.
- 2006-2009 Science to Achieve Results (STAR) Fellowship. US EPA (*See research grants*)

Honors and awards

- 2012 Workshop for Postdocs Transitioning to Independent Positions. National Institutes of Health, National Institute of General Medical Sciences. March 12-13, 2012. Bethesda, Maryland.
- 2009 Student Travel Award. PPTOXII: Role of Environmental Stressors in the Developmental Origins of Disease (Prenatal Programming and Toxicology; Society of Toxicology). December 7–10, 2009; Miami Beach, Florida.
- 2008 Scientific and Technological Achievement Award, Honorable Mention. United States Environmental Protection Agency. For: *Environ Health Perspect* 115(3):410-5.
- 2007 3rd Annual Summer Institute on Reproductive and Perinatal Epidemiology. The United States National Institutes of Health and the Canadian Institutes of Health Research. 29 July-4 August 2007. Bromont, Quebec.
- 2002 Yankee Conference Scholarship. Connecticut Environmental Health Association, Hartford, Connecticut.
- 1994 Kaarlo Mackey Award. Cleveland Heights High School (Instrumental Music), Cleveland Heights, Ohio.
- 1993 Outstanding Journalist Award. Cleveland Heights High School (Journalism), Cleveland Heights, Ohio.

PUBLICATIONS

Peer-reviewed journal articles

**Authors provided equal contribution. Students, postdocs, and visiting scholars mentored by Dr. Wells are underlined.*

1. Ringwald P, Chapin C, Iceman C, Tighe ME, Sisk M, Peaslee GF, Peller J, **Wells EM**. 2021. Characterization and within-site variation of environmental metal concentrations around a contaminated site using a community-engaged approach. *Chemosphere*. doi: [10.1016/j.chemosphere.2021.129915](https://doi.org/10.1016/j.chemosphere.2021.129915).
2. Zhang X, Specht AJ, **Wells EM**, Weisskopf MG, Weuve J, Nie* LH. 2021. Evaluation of a portable XRF device for in vivo quantification of lead in bone among a US population. *Science of the Total Environment*. Jan; 753:123451. doi:[10.1016/j.scitotenv.2020.142351](https://doi.org/10.1016/j.scitotenv.2020.142351).
3. Filippelli G, Freeman J, Gibson J, Jay S, Moreno-Madrinan M, Ogashawara I, Rosenthal F, **Wells EM**. 2020. Climate change impacts on human health at an actionable scale: a state-level assessment of Indiana, USA. *Climatic Change*. doi: [10.1007/s10584-020-02710](https://doi.org/10.1007/s10584-020-02710).
4. **Wells EM**, Kopylev L, Nachman R, Radke EG, Segal D. 2020. Seafood, wine, rice, vegetables, and other food items associated with mercury biomarkers among seafood and non-seafood consumers: NHANES 2011-2012. *Journal of Exposure Science and Environmental Epidemiology*. May;30(3):504-514. doi: [10.1038/s41370-020-0206-6](https://doi.org/10.1038/s41370-020-0206-6).
5. Hasan Z, Rolle-McFarland D, Liu Y, Zhou J, Mostafaei F, Li Y, Fan Q, Zhou Y, Zheng W, Nie LH, **Wells EM**. 2020. Characterization of bone aluminum, a potential biomarker of cumulative exposure, within an occupational population from Zunyi, China. *Journal of Trace Elements in Health and Disease*. 59:126469. doi: [10.1016/j.jtemb.2020.126469](https://doi.org/10.1016/j.jtemb.2020.126469)
6. Edmonson DA, Ma RE, Yeh CL, Ward E, Snyder S, Azizi E, Zauber SE, **Wells EM**, Dydak U. 2020. Reversibility of neuroimaging markers influenced by lifetime occupational manganese exposure. *Toxicological Sciences*. 172(1):181–190. doi: [10.1093/toxsci/kfz174](https://doi.org/10.1093/toxsci/kfz174).
7. Horton CJ, Acharya L, **Wells EM**. 2019. Length of time in the United States as a predictor of adolescent and adult blood lead levels. *BMJ Open*. 9(7): e027628. doi: [10.1136/bmjopen-2018-027628](https://doi.org/10.1136/bmjopen-2018-027628).
8. Horton CJ, Weng H-Y, **Wells EM**. 2019. Association between blood lead level and subsequent Alzheimer's disease mortality. *Environmental Epidemiology* 3(3):e045. doi: [10.1097/EE9.0000000000000045](https://doi.org/10.1097/EE9.0000000000000045).
9. Rolle-McFarland D, Liu Y, Mostafaei F, Zauber SE, Zhou Y, Li Y, Fan Q, Zheng W, Nie LH, * **Wells EM**. * 2019. The association of bone, fingernail and blood manganese with cognitive and olfactory function in Chinese workers. *Science of the Total Environment*. 666:1003-1010. doi: [10.1016/j.scitotenv.2019.02.208](https://doi.org/10.1016/j.scitotenv.2019.02.208).
10. Rolle-McFarland D, Liu Y, Mostafaei F, Zhou J, Zhou Y, Li Y, Fan Q, Zheng W, Nie LH,* **Wells EM**. * 2018. Development of a cumulative exposure index (CEI) for manganese and comparison with bone manganese and other biomarkers of manganese exposure. *International Journal of Environmental Research and Public Health*. 15:1341. doi: [10.3390/ijerph15071341](https://doi.org/10.3390/ijerph15071341).
11. Liu Y, Rolle-McFarland D, Mostafaei F, Zhou Y, Li Y, Zheng W, **Wells EM**,* Nie LH.* 2018. *In vivo* neutron activation analysis of bone manganese in workers. *Physiological Measurement*. 39:035003. doi: [10.1088/1361-6579/aaa749](https://doi.org/10.1088/1361-6579/aaa749).
12. **Wells EM**, Liu Y, Rolle-McFarland D, Mostafaei F, Zheng W, Nie LH. 2018. *In vivo* measurement of bone manganese and association with manual dexterity: a pilot study. *Environmental Research* 160:35-38. doi: [10.1016/j.envres.2017.09.016](https://doi.org/10.1016/j.envres.2017.09.016).
13. **Wells EM**. 2017. Evidence regarding the impact of conflicts of interest on environmental and occupational health research. *Current Environmental Health Reports* 4(2):109-118. doi: [10.1007/s40572-017-0139-y](https://doi.org/10.1007/s40572-017-0139-y).

[Invited article]

14. **Wells EM**, Herbstman JB, Lin YH, Hibbeln J, Halden RU, Witter FR, Goldman LR. 2017. Methyl mercury, but not inorganic mercury, associated with higher blood pressure during pregnancy. *Environmental Research*. 154:247-252. doi: [10.1016/j.envres.2017.01.013](https://doi.org/10.1016/j.envres.2017.01.013)
15. Shen X, Wang R, Yu N, Shu Y, Li H, Ziong C, Li Y, **Wells EM***, Zhou Y.* 2016. Reference ranges and association of age and lifestyle characteristics with testosterone, sex hormone binding globulin, and luteinizing hormone among 1166 Western Chinese men. *PLoS ONE* 11(10):e0164116. doi:[10.1371/journal.pone.0164116](https://doi.org/10.1371/journal.pone.0164116).
16. **Wells EM**, Herbstman JB, Lin YH, Jarrett J, Verdon C, Ward C, Caldwell KL, Hibbeln JR, Witter FR, Halden RU, Goldman LR. 2016. Cord blood methylmercury and fetal growth outcomes in Baltimore newborns: potential confounding and effect modification by omega-3 fatty acids, selenium, and sex. *Environmental Health Perspectives* 124:373-379. doi:[10.1289/ehp.1408596](https://doi.org/10.1289/ehp.1408596).
17. **Wells EM**, Berges M, Metcalf M, Kinsella A, Foreman K, Dearborn DG, Greenberg S. 2015. Indoor air quality and occupant comfort in homes with deep versus conventional energy efficiency renovations. *Building and Environment*. 93(2):331-338. doi:[10.1016/j.buildenv.2015.06.021](https://doi.org/10.1016/j.buildenv.2015.06.021).
18. Lee HJ, Bakulski KM, Feinberg JI, **Wells EM**, Brown S, Herbstman JB, Witter FR, Halden RU, Caldwell K, Mortensen ME, Moye Jr. J, Caulfield LE, Pan Y, Tollerud DJ, Goldman LR, Feinberg AP, Fallin MD. 2015. Prenatal mercury concentration is associated with changes in DNA methylation at *TCEANC2* in newborns. *International Journal of Epidemiology* doi:[10.1093/ije/dyv032](https://doi.org/10.1093/ije/dyv032)
19. **Wells EM**, Navas-Acien A, Apelberg BJ, Herbstman JB, Jarrett JM, Lin YH, Verdon CP, Ward C, Caldwell KL, Hibbeln JR, Halden RU, Witter FR, Goldman LR. 2014. Association of selenium and copper with lipids in umbilical cord blood. *Journal of Developmental Origins of Health and Disease* 5(4):281-287. doi: [10.1017/S2040174414000233](https://doi.org/10.1017/S2040174414000233)
20. **Wells EM**, Jackson LW, Koontz M. 2014. Association between bisphenol A and waist-to-height ratio among children: NHANES 2003-2010. *Annals of Epidemiology* 24:165-167. doi: [10.1016/j.annepidem.2013.06.002](https://doi.org/10.1016/j.annepidem.2013.06.002)
21. **Wells EM**, Bonfield T, Dearborn DG, Jackson LW. 2014. The relationship of blood lead with immunoglobulin E, eosinophils, and asthma among children: NHANES 2005-2006. *International Journal of Hygiene and Environmental Health* 217:196-204. doi: [10.1016/j.ijheh.2013.04.010](https://doi.org/10.1016/j.ijheh.2013.04.010).
22. **Wells EM**, Dearborn DG, Jackson LW. 2012. Activity change in response to bad air quality, National Health and Nutrition Examination Survey, 2007-2010. *PLoS ONE* 7(11): e50526. doi: [10.1371/journal.pone.0050526](https://doi.org/10.1371/journal.pone.0050526).
23. Lin YH, Salem N Jr, **Wells EM**, Zhou W, Loewke JD, Brown JA, Lands WEM, Goldman LR, Hibbeln JR. 2012. Automated high-throughput fatty acid analysis of umbilical cord serum and application to an epidemiological study. *Lipids*. 47:527-539. doi: [10.1007/s11745-012-3661-6](https://doi.org/10.1007/s11745-012-3661-6).
24. **Wells EM**, Goldman LR, Jarrett JM, Apelberg BA, Herbstman JB, Caldwell KL, Halden RU, Witter FR. 2012. Selenium and maternal blood pressure during childbirth. *Journal of Exposure Science and Environmental Epidemiology* 22:191-197. doi:[10.1038/jes.2011.42](https://doi.org/10.1038/jes.2011.42).
25. **Wells EM**, Navas-Acien A, Herbstman JB, Apelberg BA, Silbergeld EK, Caldwell KL, Jones RL, Halden RU, Witter FR, Goldman LR. 2011. Low level lead exposure and elevated blood pressure during pregnancy. *Environmental Health Perspectives* 119:664-669. doi:[10.1289/ehp.1002666](https://doi.org/10.1289/ehp.1002666).
26. **Wells EM**, Jarrett JM, Lin YH, Caldwell KL, Hibbeln JR, Apelberg BJ, Herbstman JB, Halden RU, Witter FR, Goldman LR. 2011. Body burdens of mercury, lead, selenium and copper among Baltimore newborns. *Environmental Research* 111: 411-417. doi:[10.1016/j.envres.2010.12.009](https://doi.org/10.1016/j.envres.2010.12.009).
27. Woodruff TJ, **Wells EM**, Holt EW, Burgin DE, Axelrad DA. 2007. Estimating ambient acrolein across the United States. *Environmental Health Perspectives* 115(3):410-5. doi: [10.1289/ehp.9467](https://doi.org/10.1289/ehp.9467).

Other publications in scientific journals

1. **Wells EM.** 2018. Prevention of elevated blood lead levels among child refugees and other susceptible populations. *American Journal of Public Health.* 108(2):163-4. doi: [10.2105/AJPH.2017.304220](https://doi.org/10.2105/AJPH.2017.304220) [*Invited editorial*]
2. **Wells EM,** Jackson LW, Koontz M. 2013. Decline in urinary bisphenol A concentrations among young children, NHANES 2003-2010. *Epidemiology* 24(1):167-8. doi: [10.1097/EDE.0b013e31827849b4](https://doi.org/10.1097/EDE.0b013e31827849b4) [*Research letter*]
3. **Wells EM,** Allen G, Newman C, Spurlock L, Khatri S. 2012. Seeing what you breathe: the Cleveland Hazecam. *American Journal of Public Health.* 102(9):1687. doi: [10.2105/AJPH.2012.300707](https://doi.org/10.2105/AJPH.2012.300707) [*Images of Health column*].

Technical reports

1. Wells EM. 2019. "Bisphenol A". In: *Encyclopedia of Environmental Health, 2nd Edition.* Ed: Nriagu, JR. Elsevier. ISBN: 9780444639516. <https://www.elsevier.com/books/encyclopedia-of-environmental-health/nriagu/978-0-444-63951-6>
2. "Hoosier's Health in a Changing Climate: A Report from the Indiana Climate Change Impacts Assessment." *Indiana Climate Change Impacts Assessment.* 2018. Filippelli G, Windhalm M, Filley R, Corner K, Ejeta G, Field W, Freeman J, Gibson J, Jay S, Johnson D, Moreno-Madriñán MJ, Mattes RD, Ogashawara I, Prather J, Rosenthal F, Smirat J, Wang Y, **Wells E,** Dukes J. <https://docs.lib.purdue.edu/cgi/viewcontent.cgi?article=1000&context=healthtr>
3. World Health Organization. *Children's Exposure to Mercury Compounds.* 2010. Geneva, Switzerland: World Health Organization. ISBN 978 92 4 150045 6. http://www.who.int/ceh/publications/children_exposure/en/index.html
4. Health Effects Institute, Health Review Committee. Commentary on: *Controlled Exposures of healthy and asthmatic volunteers to concentrated ambient particles in metropolitan Los Angeles. Research Report 118.* 2003. Gong H, Sioutas C, Linn WS. Boston, MA: Health Effects Institute.
5. Health Effects Institute, Health Review Committee. Commentary on: *Peroxides and macrophages in the toxicity of fine particulate matter in rats. Research Report 117.* 2003. Laskin DL, Morio L, Hooper K, Li T-H, Buckley B, Turpin B. Boston, MA: Health Effects Institute.

PRESENTATIONS

Invited Lectures

1. Panel Discussant: Pollutants, Toxins, Health and Justice Panel. Next Steps- Environmental Justice, Climate Change, and Racial Justice Symposium. Purdue Center for the Environment (C4E), West Lafayette, IN. March 25-26, 2021.
2. Working Group Section Facilitator: Pollutants, Toxins, Health and Justice Working Group. Next Steps- Environmental Justice, Climate Change, and Racial Justice Symposium. Purdue Center for the Environment (C4E), West Lafayette, IN. March 25-26, 2021.
3. "Environmental Epidemiology Research". Research Conservations, Purdue Climate Change Research Center. Purdue University, West Lafayette, IN. November 13, 2020.
4. "Environmental Justice in Lake County, IN" Purdue Student Government Environmental Justice Panel. Purdue University, West Lafayette, IN. November 12, 2020.
5. "Science Communication with the Public" Health Sciences Graduate Student Organization. Purdue University, West Lafayette, IN. October 12, 2020.

6. “Lunch & Learn: Environmental Justice & Public Health – Exposure and Other Stressors”. Purdue University, Purdue Center for the Environment (C4E), West Lafayette, IN. October 7, 2020.
7. “Inorganic mercury as a negative confounder of the effects of methyl mercury on maternal and infant health outcomes,” National Institute of Minimata Disease Forum within the Pacific Basin Consortium for Environment and Health 2019 Conference, Kyoto, Japan. September 16-19, 2019.
8. Research Blast Panelist. “Breaking Barriers: Improving Access to Health Services for Women and Children in Indiana” Public Health Symposium. West Lafayette, IN, April 22, 2019.
9. “Our evolving knowledge of the health effects of lead.” Water Justice Forum. Valparaiso University, Valparaiso, IN. April 6, 2019.
10. “Lead: a persistent public health problem.” Indiana Public Health Association’s National Public Health Week Conference. Purdue University, West Lafayette, IN, April 3, 2019.
11. Invited panelist. “Protecting drinking water”. Panel following Purdue Engineering Distinguished Lecture Series featuring Dr. Joan B. Rose. West Lafayette, IN, February 21, 2019.
12. “Sources and patterns of speciated mercury within the United States population.” United States Environmental Protection Agency, Office of Research and Development. Webinar. July 24, 2018.
13. Invited panelist. “C4E Monthly Mingle” Topic: Environmental health. Purdue University Center for the Environment; West Lafayette, IN, October 28, 2016.
14. “Contemporary issues in environmental public health, illustrated with a case study of bisphenol A.” Purdue University Public Health Journal Club. West Lafayette, Indiana, USA. March 25, 2015.
15. “Health outcomes related to lead and mercury exposure: results from a birth cohort study.” Xin-Hua Hospital; Jiao Tong University School of Medicine; Shanghai, China. July 21, 2014.
16. “Environmental exposures and obesity.” Part of: Snyder, Blake, and Wells EM. Prevention of youth risk behaviors. Indiana Joint National Public Health Week Conference. Fishers, Indiana, USA. April 8, 2014.
17. “Lead exposure and Alzheimer’s Disease.” Colloquium Cluster Hires: Prevention of Chronic Disease in Public Health. Purdue University, College of Health and Human Sciences; West Lafayette, Indiana. January 10, 2014.
18. “Climate Change and Health.” Climate Change, Air Pollution and Your Health: A Cleveland Citizen Hearing; organized by Environmental Health Watch and Audubon Ohio. Cleveland Museum of Natural History, Cleveland, Ohio. June 6, 2012.
19. “The CWRU/CMNH climate change survey: the results are in!” Cleveland Museum of Natural History; Cleveland, Ohio. June 6, 2012.
20. “Health effects of mercury” Press Conference with Susan Hedman, EPA Region 5 Administrator; organized by Environmental Health Watch and Audubon Ohio. Rainbow Babies & Children’s Hospital, Cleveland, Ohio. February 22, 2012.
21. “Environment, Health, and Mercury” Cleveland Clean Air Town Hall; organized by Environmental Health Watch and Audubon Ohio. St. Ignatius High School, Cleveland, Ohio. July 21, 2011.
22. “Healthy Home Environments: Asthma plus Air Quality Wireless Monitoring” Prevention Research Center for Healthy Neighborhoods Brownbag Series. November 10, 2010. *(with Dorr Dearborn.)*
23. “Healthy homes research: a focus on home environment exposures.” Healthy Kids, homes, and places: Ensuring a better future for our community. Healthy Housing Strategic Alliance Summit. Cleveland Museum of Natural History, June 11, 2010.
24. “The concentration-dependent relationship of selenium with blood pressure in late pregnancy.” Department of Epidemiology and Biostatistics Seminar, Case Western Reserve University, School of Medicine; Cleveland, Ohio. January 26, 2010.
25. “The relationship of metal & metalloid exposure during pregnancy with cardiovascular risk factors” National Center for Environmental Economics, Environmental Protection Agency; Washington, DC. July 1, 2009.
26. “Mercury, lead, and maternal blood pressure.” Cleveland Museum of Natural History; Cleveland, Ohio. June 1, 2009.

27. “Metal exposure during pregnancy in relation to cardiovascular risk factors.” Recruitment Weekend, Department of Environmental Health Sciences, Johns Hopkins Bloomberg School of Public Health; Baltimore, Maryland. January 30, 2009.
28. “Determinants of prenatal lead exposure in Baltimore: the Baltimore THREE Study.” Occupational Health Nursing Seminar, Johns Hopkins University; Baltimore, Maryland. March 13, 2008.

Oral presentations at scientific meetings

Note: Students and postdocs mentored by Dr. Wells are underlined.

1. **Wells EM**. “Epidemiological perspective of metal fume exposures in the workplace” in symposium: “Occupational metal exposures and consequences: the contribution of nano-sized particles”. International Society for Trace Element Research in Humans 2019 Annual Meeting, Bali, Indonesia. September 22-26, 2019.
2. **Wells EM**. “Dietary correlates of methylmercury in seafood consumers and non-seafood consumers.” Fourteenth International Conference on Mercury as a Global Pollutant (ICMGP), Krakow, Poland. September 8-13, 2019.
3. **Wells EM**. Beyond bone lead: a summary of research comparing bone manganese and bone aluminum with cognitive function in an occupational cohort. Metals Workshop. Harvard School of Public Health, Boston, MA, USA. June 14-15, 2018.
4. **Wells EM**, Rolle-McFarland D, Liu Y, Mostafaei F, Zheng W, Zhou Y, Nie LH. Blood metals and cognitive function in Chinese workers. International Society for Environmental Epidemiology Annual Meeting. Sydney, Australia. 24-28 September 2017.
5. Lam J, **Wells EM**, Woodruff TJ, Axelrad DA. Unification of cancer and non-cancer risk estimation: Case study of di-n-butyl phthalate. Society for Risk Analysis Annual Meeting. Denver, Colorado. December 7-10, 2014.
6. **Wells EM**, Berges M. Air quality monitoring in homes renovated for energy efficiency. National Healthy Homes Conference. Nashville, Tennessee, USA. May 28-30, 2014.
7. Dearborn DG, **Wells EM**. Remote monitoring of residential indoor air quality: initial experience. National Healthy Homes Conference. Nashville, Tennessee, USA. May 28-30, 2014.
8. **Wells EM**. Age and demographic factors in relation to blood metal concentrations in the United States. Urban Health Conference, Indiana University-Purdue University Indianapolis Center for Urban Health. Indianapolis, Indiana, USA. April 1, 2014.
9. **Wells EM**, Koontz M, Jackson LW. Bisphenol A and obesity among children from NHANES 2003-2010. International Society for Environmental Epidemiology, 24th Annual Conference. Columbia, South Carolina, USA. August 26-30, 2012. Abstract in: *Epidemiology* 23(5S):S-81, 2012.
10. **Wells EM**, Jarrett JM, Verdon CP, Ward C, Caldwell KL, Witter RF, Halden RU, Goldman LR. Umbilical cord blood methyl and inorganic mercury concentrations and their relationship with ponderal index. The 10th International Conference on Mercury as a Global Pollutant. Halifax, Nova Scotia, Canada. July 24-29, 2011.
11. **Wells EM**, Berges M, Metcalf M, Greenberg S, Dearborn DG. New study on deep green and healthy housing. National Healthy Homes Conference: Denver, Colorado. June 20-23, 2011.
12. **Wells EM**, Berges M, Vesper S, Yike I, Kirchner HL, Greenberg S, Dearborn DG. Long term follow-up of home environmental remediation for mold and moisture. National Healthy Homes Conference: Denver, Colorado. June 20-23, 2011.
13. **Wells EM**, Jarrett J, Verdon C, Caldwell K, Navas-Acien A, Witter F, Goldman LR. A dynamic relationship between methyl mercury, inorganic mercury, and total mercury in umbilical cord blood. International Society for Environmental Epidemiology 21th Annual Conference: Dublin, Ireland. 25-29th August 2009. Abstract in: *Epidemiology* 20(6S):S89, 2009.

Poster presentations at scientific meetings

Note: Students and postdocs mentored by Dr. Wells are underlined.

1. Gallion H, **Wells EM**. Health Disparities in Lake County, IN and Prediction Model for Superfund Sites. Chicago Local Section of the American Industrial Hygiene Association's Student Night. Chicago, IL. February 27, 2019.
2. O'Connell R, **Wells EM**. An Analysis of Soil Contamination in East Chicago near the USS Lead Superfund Site. Chicago Local Section of the American Industrial Hygiene Association's Student Night. Chicago, IL. February 27, 2019. **[Won 1st place undergraduate poster award]**
3. Robbins M, **Wells EM**. Biomarker Concentrations of Heavy Metals in a Welder Population. Chicago Local Section of the American Industrial Hygiene Association's Student Night. Chicago, IL. February 27, 2019.
4. Jackson C, Horton CJ, **Wells EM**. Geographical Analysis of Occupational Exposure to Lead and Alzheimer's Disease Mortality. Chicago Local Section of the American Industrial Hygiene Association's Student Night. Chicago, IL. February 27, 2019.
5. Boyd S, Gorman C, **Wells EM**. Enhancing the international student experience through CPD exchange programmes: best practice for student-centered approaches for international students. Quality and Qualifications Ireland (QQI) Student-Centered Approaches Conference. Dublin, Ireland. November 20, 2018.
6. Hasan Z, Rolle-McFarland D, Liu Y, Mostafaei F, Zheng W, Nie LH, **Wells EM**. Comparison of aluminum biomarkers in an occupational population from Zunyi, China. American Industrial Hygiene Association Conference and Expo (AIHce). Philadelphia, PA. May 21-23, 2018.
7. Gallion H, **Wells EM**. Health disparities in East Chicago, IN. American Industrial Hygiene Association Conference and Expo (AIHce). Philadelphia, PA. May 21-23, 2018.
8. Rolle-McFarland D, Liu Y, Mostafaei F, Zheng W, Nie LH, **Wells EM**. Association between blood, nail, and bone manganese with motor function among Chinese workers. Society of Toxicology 57th Annual Meeting and Expo. San Antonio, TX. March 12-15, 2018.
9. Rolle-McFarland D, Liu Y, Mostafaei F, Zheng W, Nie LH, **Wells EM**. Association between blood, nail, and bone manganese with cognitive outcomes among Chinese workers. Society of Toxicology 57th Annual Meeting and Expo. San Antonio, TX. March 12-15, 2018.
10. Hasan Z, Rolle-McFarland D, Liu Y, Mostafaei F, Zheng W, Nie LH, **Wells EM**. Comparison of aluminum biomarkers in an occupational population from Zunyi, China. Ohio Valley Society of Toxicology (OVSOT) Annual Meeting. West Lafayette, IN. 1 December 2017.
11. Gallion H, **Wells EM**. Health disparities in East Chicago, IN. Ohio Valley Society of Toxicology (OVSOT) Annual Meeting. West Lafayette, IN. 1 December 2017.
12. **Wells EM**, Acharya L, Freeman J. Establishment of a community-academic partnership to promote environmental and community health in Indiana. Purdue Center for the Environment (C4E) Fourth Annual Purdue Environmental Community Mixer. 15 September 2017.
13. Rolle-McFarland D, Liu Y, Mostafaei F, Zhou Y, Zheng W, Nie LH, **Wells EM**. The association between blood and bone manganese with cognitive test scores. International Society for Environmental Epidemiology Annual Meeting. Sydney, Australia. 24-28 September 2017.
14. Horton C, **Wells EM**. Occupational Lead (Pb) exposure and Alzheimer's disease (AD). American Industrial Hygiene Conference and Exposition (AIHce). Seattle, WA. 4-7 June 2017.
15. Hall K, Boor B, Dydak U, **Wells EM**. Methodology to assess metal content in welding fume by particle size. American Industrial Hygiene Conference and Exposition (AIHce). Seattle, WA. 4-7 June 2017.
16. Rolle-McFarland D, Liu Y, Mostafaei F, Zhou Y, Zheng W, Nie LH, **Wells EM**. The Association between bone and blood manganese with cumulative occupational-Mn exposure. Indiana Public Health Month Conference. Indiana Public Health Association. Purdue University, West Lafayette, IN. April 20, 2017.
17. Cervi MM, **Wells EM**. Analyzing the Effects of Lead and Manganese Exposure on Blood Pressure among US Children and Adolescents. Indiana Public Health Month Conference. Indiana Public Health Association. Purdue University, West Lafayette, IN. April 20, 2017.

18. Gallion H, Hasan Z, Wells EM. Climate Change and Health Impacts in Indiana. Purdue Undergraduate Research Symposium. Purdue University, West Lafayette, IN. April 11, 2017.
19. Zhou J, Rolle-McFarland D, Liu Y, Mostafaei F, Zhou Y, Zheng W, Nie LH, Wells EM. Correlation between tea consumption with blood and bone manganese (Mn) concentration in Chinese workers. Purdue Undergraduate Research Symposium. Purdue University, West Lafayette, IN. April 11, 2017.
20. Cervi MM, Wells EM. Analyzing the Effects of Lead and Manganese Exposure on Blood Pressure among US Children and Adolescents. Purdue Undergraduate Research Symposium. Purdue University, West Lafayette, IN. April 11, 2017.
21. Nie L, Liu Y, Byrne P, Mostafaei F, Rolle D, Hsieh M, Zheng W, Wells EM. Customized Compact Neutron Activation Analysis System to Quantify Manganese (Mn) and Aluminum (Al) in Bone *In Vivo*. 56th Annual Meeting of the Society of Toxicology. Baltimore, Maryland. March 12-16, 2017.
22. Hall KM, Hughes AJ, Nour M, Thomas S, Ward EJ, Boor B, Wells EM. Real-time characterization of nanoparticle exposures by welders: impact of base metal and weld-type. Herrick Laboratories – Industrial Advisory Committee Conference Poster Show, Purdue University, West Lafayette, Indiana. October 28, 2016.
23. Rolle D, Liu Y, Mostafaei F, Zhou Y, Zheng W, Nie LH, Wells EM. Bone manganese (BnMn) as a biomarker of cumulative Mn exposure and an indicator of neurological deficit: a pilot study. College of Health and Human Sciences Fall Research Day, Purdue University, West Lafayette, IN. October 26, 2016.
24. Hall KM, Hughes AJ, Nour M, Thomas S, Ward EJ, Boor B, Wells EM. Real-time characterization of nanoparticle exposures by welders: impact of base metal and weld-type. College of Health and Human Sciences Fall Research Day, Purdue University, West Lafayette, Indiana. October 26, 2016.
25. Rolle D, Liu Y, Mostafaei F, Zhou Y, Zheng W, Nie LH, Wells EM. Bone manganese (BnMn) as a biomarker of occupational Mn exposure. 28th International Neurotoxicology Conference: Manganese Health Effects on Neurodevelopment & Neurodegenerative Diseases. New York City, NY, USA. September 25-28.
26. Rolle D, Liu Y, Mostafaei F, Zhou Y, Zheng W, Nie LH, Wells EM. Bone manganese (BnMn) as a biomarker of cumulative Mn exposure and an indicator of neurological deficit: a pilot study. International Society for Environmental Epidemiology 28th Annual Meeting. Rome, Italy. September 1-4, 2016.
27. Baker M, Wilson C, Logsdon B, Wilkerson A, Rolle D, Rosenthal FR, Dydak U, Wells EM. Zinc and lead concentrations in blood: an occupational study. Purdue Undergraduate Research Symposium. Purdue University, West Lafayette, IN. April 12, 2016.
28. Wilson C, Baker M, Logsdon B, Wilkerson A, Rolle D, Rosenthal FR, Dydak U, Wells EM. Manganese and iron concentrations in blood: an occupational study. Purdue Undergraduate Research Symposium. Purdue University, West Lafayette, IN. April 12, 2016.
29. Zhou J, Rolle D, Liu Y, Zhou Y, Zheng W, Nie LH, Wells EM. Correlation of alcohol use and smoking with neurological performance in an occupational Chinese cohort. Purdue Undergraduate Research Symposium. Purdue University, West Lafayette, IN. April 12, 2016.
30. Rolle D, Liu Y, Mostafaei F, Zhou Y, Zheng W, Nie LH, Wells EM. Bone manganese (BnMn) as a biomarker of cumulative Mn exposure: a pilot study. Indiana Public Health Week Conference. Indianapolis, IN. April 7, 2016.
31. Rolle D, Liu Y, Mostafaei F, Zhou Y, Zheng W, Nie LH, Wells EM. Bone manganese (BnMn) as a biomarker of cumulative Mn exposure: a pilot study. Public Health Symposium: “How technology is improving public health.” Purdue University MPH Program, West Lafayette, IN. April 5, 2016.
32. Wells EM, Ward E, Nour M, Horton C, Rosenthal RF, Dydak U. Impact of welding material on manganese exposure among welders. University of Michigan Center for Occupational Health and Safety Engineering's Research Symposium. Ann Arbor, Michigan. March 18, 2016.

33. Zhou Y, Shen X, Yu N, Shi Y, **Wells EM**. Which testosterone measurements change with aging? A cross-sectional study of 1166 adult males in western China. International Scholars Research Symposium. Purdue University, West Lafayette, IN. March 8, 2016.
34. Rolle D, Zheng W, Nie L, **Wells EM**. Blood lead, blood manganese and grip strength in older U.S. adults: NHANES 2011-2012. American Public Health Association Annual Meeting. Chicago, Illinois. October 21-November 4, 2015.
35. **Wells EM**, Hoepner LA, Herbstman JB. BPA and its replacements in pregnant women. Children's Environmental Health Network 2015 Research Conference. Austin, Texas. February 4-6, 2015.
36. **Wells EM**, Rolle D, Nie L, Zheng W. Blood lead, blood manganese and memory in older US adults. College of Health and Human Sciences Fall Research Day. Purdue University, West Lafayette, IN. October 29, 2014.
37. **Wells EM**, Rolle D, Nie L, Zheng W. Blood lead, blood manganese and memory in older US adults. International Society for Environmental Epidemiology 26th Annual Conference. Seattle, Washington. August 24-28, 2014.
38. **Wells EM**, Moore D, Nishioka M, Mozes J, Loparo KA, Greenberg S, Dearborn DG. Development of a low-cost, real-time, telemetric, continuous residential indoor air quality monitoring system: progress and lessons learned. Research ShowCASE 2014. Case Western Reserve University, Cleveland, O, USA. 18 April 2014.
39. **Wells EM**, Jackson LW, Koontz M. Cross-sectional analysis of bisphenol A with blood pressure among children. College of Health and Human Sciences Fall Research Day, Purdue University, West Lafayette, Indiana. October 22, 2013.
40. **Wells EM**, Jackson LW, Koontz M. Cross-sectional analysis of bisphenol A with blood pressure among children. International Society for Environmental Epidemiology, 25th Annual Conference. Basel, Switzerland. August 19-23, 2013. Abstract online: <http://ehp.niehs.nih.gov/ehbasel13/p-1-24-07/>
41. **Wells EM**, Moore D, Nishioka M, Mozes J, Loparo KA, Greenberg S, Dearborn DG. Development of a low-cost, real-time, telemetric, continuous residential indoor air quality monitoring system: progress and lessons learned. International Society for Environmental Epidemiology, 25th Annual Conference. Basel, Switzerland. August 19-23, 2013. Abstract online: <http://ehp.niehs.nih.gov/ehbasel13/p-3-08-07/>
42. **Wells EM**, Moore D, Nishioka M, Mozes J, Loparo KA, Greenberg S, Dearborn DG. Remote Monitoring of Residential Air Quality: Progress Report. National Children's Study Expanded Steering Committee Meeting. Bethesda, Maryland, USA. March 21-22, 2013.
43. Halladay A, Katz S, Newman O, Skogstrom T, **Wells EM**. Protecting Reproductive Health through Enhancing Stakeholder Involvement. American Public Health Association 140th Annual Meeting. San Francisco, California, USA. October 27-31, 2012.
44. **Wells EM**, Dearborn DG, Jackson LW. Individual activity change in response to poor air quality. International Society for Environmental Epidemiology, 23rd Annual Conference. Barcelona, Spain. September 13-16, 2011.
45. Jackson LW, **Wells EM**, Dearborn DG. The association between blood lead levels and childhood asthma, NHANES 2005-2006. 23rd Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER): Seattle, Washington. June 22-23, 2010.
46. Jackson LW, **Wells EM**, Dearborn DG. The association between blood lead levels and Immunoglobulin E in children, NHANES 2005-2006. Annual Meeting of the Society for Epidemiologic Research (SER): Seattle, Washington. June 23-26, 2010. Abstract in: *American Journal of Epidemiology* 171 (Suppl 11): S81, 2010.
47. **Wells EM**, Jarrett JM, Apelberg BJ, Herbstman JB, Navas-Acien A, Caldwell KL, Halden RU, Witter FR and Goldman LR. The non-monotonic relationship of selenium exposure with blood pressure and hypertension during late pregnancy. 23rd Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER): Seattle, Washington. June 22-23, 2010.
48. **Wells EM**, Navas-Acien A, Apelberg BJ, Herbstman JB, Jarrett JM, Caldwell KL, Halden RU, Witter FR, and Goldman LR. Association of selenium and copper with triglycerides in umbilical cord blood serum. Research ShowCASE 2010, Case Western Reserve University: Cleveland, Ohio. 15 April 2010.
49. **Wells EM**, Navas-Acien A, Apelberg BJ, Herbstman JB, Jarrett JM, Caldwell KL, Halden RU, Witter FR, and Goldman LR. Association of selenium and copper with triglycerides in umbilical cord blood serum.

Society of Toxicology, PPTOXII: Role of Environmental Stressors in the Developmental of Origins of Disease: Miami Beach, Florida. 7-10 December 2009.

50. **Wells EM**, Verdon C, Jarrett J, Caldwell K, Witter F, Navas-Acien A, Goldman LR. The importance of mercury speciation in the association of mercury exposure during pregnancy with elevated maternal blood pressure. International Society for Environmental Epidemiology 21th Annual Conference: Dublin, Ireland. 25-29th August 2009. Abstract in: *Epidemiology* 20(6):S220, 2009.
51. **Wells EM**, Navas-Acien A, Caldwell KL, Jones RL, Apelberg BJ, Herbstman JB, Halden RU, Witter FR, Goldman LR. Serum and lipids in umbilical cord serum. International Society for Environmental Epidemiology 20th Annual Conference: Pasadena, USA. 12-16 October 2008. Abstract in: *Epidemiology* 19(6):S86, 2008.
52. **Wells EM**, Goldman LR, Jones RL, Caldwell KL, Apelberg BJ, Herbstman JB, Halden RU and Witter FR. Public health policy implications of socioeconomic and demographic correlates of prenatal lead exposure. American Public Health Association 135th Annual Meeting & Exposition: Washington, D.C. 3-7 November 2007.
53. **Wells EM**, Goldman LR, Caldwell KL, Jones RL, Apelberg BJ, Herbstman JB, Witter FR, Navas-Acien A and Halden RU. Modeling low level cord blood exposure and maternal blood pressure. International Society for Environmental Epidemiology 19th Annual Conference: Mexico City, Mexico. 5-9 September 2007. Abstract in: *Epidemiology*. 18(5S):S172, 2007.
54. **Wells EM**, Axelrad DA, Woodruff TJ. Are male newborns at risk of decreased testosterone or anogential distance following *in utero* phthalate exposure? UCSF-CHE Summit on Environmental Challenges to Reproductive Health and Fertility: San Francisco, CA. 28-30 January 2007.

Ethics discussions at International Society for Environmental Epidemiology (ISEE) meetings

Developed and led ethics discussion related to topics presented within a scientific oral session

1. **Wells EM**. Characterization of long--term or intergenerational risks from environmental hazards. International Society for Environmental Epidemiology 28th Annual Meeting. Rome, Italy. September 1-4, 2016
2. **Wells EM**. Ethical and philosophical considerations of occupational cancer epidemiology. International Society for Environmental Epidemiology 26th Annual Conference. Seattle, Washington. August 24-28., 2014.
3. **Wells EM**. Ethical dimensions of reporting research findings. International Society for Environmental Epidemiology 26th Annual Conference. Seattle, Washington. August 24-28., 2014.
4. **Wells EM**. Privacy and other ethical considerations concerning research with susceptible populations in the digital age. International Society for Environmental Epidemiology, 25th Annual Conference. Basel, Switzerland. August 19-23, 2013. Abstract online: <http://ehp.niehs.nih.gov/ehbasel13/o-2-23-06/>

PROFESSIONAL ACTIVITIES

Society membership

American Public Health Association (APHA)
International Society for Children's Health and the Environment (ISCHE)
International Society for Environmental Epidemiology (ISEE)
International Society for Exposure Science (ISES)
Society for Pediatric and Perinatal Epidemiologic Research (SPER)
Society for Epidemiologic Research (SER)
Society of Toxicology (SOT)

Society involvement

ISEE Ethics and Philosophy Committee member (2012-)
Membership Coordinator (2015-2017)

ISEE – conference session chair (2013, 2014x2)
International Society for Trace Element Research in Humans (ISTERH)–
conference session chair (2019)
Pacific Basin Consortium for Environment and Health – conference session chair
(2019)
Fourteenth International Conference on Mercury as a Global Pollutant (ICMGP)
– conference session chair (2019)

Editorial board member *International Journal of Hygiene and Public Health* (2018-)

Ad-hoc reviewer (journals) *American Journal of Public Health*
Biological and Trace Element Research
BMJ Open
Environmental Epidemiology
Environmental Health
Environmental Health Perspectives
Environment International
Environmental Research
Environmental Science and Pollution Research
Environmental Science & Technology
Food and Chemical Toxicology
Health Reports
International Archives of Occupational and Environmental Health
International Journal of Pediatrics
International Journal of Environmental and Occupational Health
International Journal of Environmental Research and Public Health
International Journal of Hygiene and Public Health
JAMA Pediatrics
International Journal of Hygiene and Environmental Health
Journal of Biological Inorganic Chemistry
Journal of Exposure Science & Environmental Epidemiology *Journal of*
Occupational Medicine and Toxicology
Journal of Occupational and Industrial Hygiene
Journal of Pediatrics
Journal of Purdue Undergraduate Research
Journal of Toxicology
Journal of Toxicology and Environmental Health, Part A: Current Issues
Journal of Trace Elements in Medicine and Biology
Neuroepidemiology
Molecular Nutrition and Food Research
Occupational and Environmental Medicine
PLoS ONE
Public Health Nutrition
Science of the Total Environment

Ad-hoc reviewer (fellowship) National Fellowships Program, Sigma Delta Epsilon, Graduate Women in
Science (2012)

Ad-hoc reviewer (grants) Purdue School of Health Sciences, PRF Graduate Research Fellowship and
Blisland Dissertation Fellowships (2015)

Purdue College of Health and Human Sciences Study Abroad & International Learning (SAIL) grants (2016, 2017)
Purdue University, College of Health and Human Sciences, Compton Graduate Research Travel Awards (2017)
Purdue University, AgSEED Pilot Project Review Panel Member (2017)
University of Cincinnati Education and Resource Center (ERC) Pilot Project Funding Reviewer (2017, 2018, 2019, 2020)
Purdue University Center for the Environment (C4E), Pilot Seed Grant proposals (2018)

Abstract review (conference) International Society for Environmental Epidemiology (2013, 2014, 2015, 2018, 2019, 2021)
Society for Pediatric and Perinatal Epidemiologic Research (2013, 2015)
American Public Health Association (2017, 2018, 2019)

Grant review panel Review Panel Member, Healthy Schools: Environmental Factors, Children's Health, and Sustainable Building Practices (H1), US Environmental Protection Agency, National Center for Environmental Research (2014)
US National Institutes of Health, National Institute of Environmental Health Sciences Special Emphasis Panel: Maintain and Enrich Resource Infrastructure for Existing Environmental Epidemiology Cohorts (ZES1 LKB K R) (2019)
US National Institutes of Health, Systemic Injury by Environmental Exposure (SIEE) Section. Ad Hoc Panelist. (2019)
Centers for Disease Control and Prevention, National Institute of Occupational Safety and Health, Special Emphasis Panel: PAR-15-352 "Occupational Safety and Health Training Project Grants" (2019)
US National Institutes of Health, National Institute of Environmental Health Sciences (NIH/NIEHS), Special Emphasis Panel: Environmental Health Sciences Core Centers (EHSCC) Review Meeting. Ad Hoc Panelist (2020)
Centers for Disease Control and Prevention, National Institute of Occupational Safety and Health, Special Emphasis Panel: PAR-15-352 "Occupational Safety and Health Training Project Grants" (2020)
Centers for Disease Control and Prevention, National Institute of Occupational Safety and Health, "State Occupational Safety and Health Surveillance Program" (U60) (2021)
US National Institutes of Health, National Institute of Environmental Health Sciences (NIH/NIEHS), ZES LAD-D (R3) 1; R13 Support for Conferences and Scientific Meetings. (2021).