

Andres Cardenas, PhD, MPH

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Education

Oregon State University (OSU); Corvallis, Oregon:

Doctor of Philosophy (PhD): Public Health September 2015
Concentration: Environmental Health

Master of Public Health (MPH): Biostatistics June 2012
Minor: Statistics

Bachelor of Science (BS): Biochemistry & Biophysics June 2010
Minor: Chemistry

Umpqua Community College (UCC); Roseburg, Oregon:

Associate of Science (AS) June 2008

Academic Appointments

January 2019-Present	Assistant Professor in Residence Division of Environmental Health Sciences University of California, Berkeley
June 2016-December 2018	Postdoctoral Research Fellow Department of Population Medicine Harvard Medical School and Harvard Pilgrim Healthcare Institute
September 2015-May 2016	Postdoctoral Research Fellow Department of Environmental Health Harvard T.H. Chan School of Public Health
2012-September 2015	Graduate Research Assistant - Doctoral Candidate Environmental and Occupational Health Program Oregon State University, College of Public Health & Human Sciences
2010-2012	Graduate Research and Teaching Assistant - MPH candidate Biostatistics Program Oregon State University, College of Public Health & Human Sciences

Non-Academic Positions

2011-2014	Biostatistics Consultant Samaritan Health Services, Center for Health Research and Quality Corvallis, Oregon
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2009-2010	Undergraduate Research Assistant College of Engineering Oregon State University Corvallis, Oregon
2008-2010	International Cultural Ambassador International Cultural Service Program Oregon State University Corvallis, Oregon
2006-2008	Undergraduate Student Tutor Transfer Opportunity Program (TRIO) Umpqua Community College Roseburg, Oregon

Teaching Experience

1. Advanced Methods Workshop: The Society for Pediatric and Perinatal Epidemiologic Research (SPER) Annual Meeting (June 18, 2018, Baltimore, Maryland). "Introduction to Epigenetics and High Dimensional Epigenome-Wide Association Studies (EWAS) for Perinatal Epidemiology"
Role: Instructor/Organizer
2. Workshop: Columbia University, Mailman School of Public Health "Epigenetics Boot Camp: Planning and Analyzing DNA Methylation Studies" (Summers 2017, 2018, 2019, New York, New York)
Role: Co-instructor
3. Workshop: The International Society for Environmental Epidemiology (ISEE) Annual Meeting (2016, Rome, Italy), Post-conference workshop: "Applying Epigenetics to Environmental Health and Epidemiology"
Role: Co-instructor
4. Course Instructor: Oregon State University, College of Public Health & Human Sciences
H 220. Introduction to Health Data Analysis (1 session, Summer 2014)
H 220. Introduction to Health Data Analysis (2 sessions, Summer 2013)
H 220. Introduction to Epidemiology and Health Data Analysis (2 sessions, Summer 2012)
Role: Instructor
5. Graduate Teaching Assistant: Oregon State University, College of Public Health & Human Sciences
H 524. Graduate Introduction to Biostatistics (Fall 2011, Fall 2012)
H 220. Introduction to Epidemiology and Health Data Analysis (Spring 2012, Winter 2012)
H 524. Graduate Introduction to Biostatistics Laboratory (Fall 2011, Fall 2012)
Role: Co-instructor

Peer-Reviewed Publications

1. Peng C, **Cardenas A**, Rifas-Shiman SL, Hivert MF, Gold DR, Platts-Mills TA, Lin X, Oken E, Avila L, Celedón JC, Weiss ST, Baccarelli AA, Litonjua AA, DeMeo DL. Epigenetic Age Acceleration is Associated with Allergy and Asthma in Children in Project Viva. *Journal of Allergy and Clinical Immunology*. [2019-In press]
2. Tian FY, Rifas-Shiman SL, **Cardenas A**, Baccarelli AA, DeMeo DL, Litonjua AA, Rich-Edwards J, Gillman M, Oken E, Hivert MF. Maternal Corticotropin-Releasing Hormone is Associated with LEP DNA Methylation at Birth and in Childhood: An Epigenome-wide Study in Project Viva. *International Journal of Obesity*. 2018 July 21 [Epub ahead of print]. PMID: 30464231

3. Nwanaji-Enwerem JC, **Cardenas A**, Chai PR, Weisskopf MG, Baccarelli AA, Boyer EW. Relationships of Long-term Smoking and Moist Snuff Consumption with a DNA Methylation Age Relevant Smoking Index: An Analysis in Buccal Cells. *Nicotine & Tobacco Research*. 2018 July 21 [Epub ahead of print]. PMID:30053132
4. Huang JV, **Cardenas A**, Colicino E, Schooling MC, Rifas-Shiman SL, Zheng Y, Hou L, Just AC, DeMeo DL, Lin X, Oken E, Hivert MF, Baccarelli AA. DNA Methylation in Blood as a Mediator of the Association of Mid-childhood Body Mass Index with Cardio-metabolic Risk Score in Early Adolescence. *Epigenetics*. 13.10-11 (2018): 1072-1087. PMID: 30412002
5. Bozack AK, **Cardenas A**, Quamruzzaman Q, Rahman M, Mostofa G, Christiani DC, Kile ML. DNA methylation in Cord Blood as Mediator of the Association Between Prenatal Arsenic Exposure and Gestational Age. *Epigenetics*. 13.9 (2018):923-940. PMID: 30175652
6. **Cardenas A**, Hauser R, Gold DR, Kleinman KP, Hivert MF, Fleisch AF, Lin PD, Calafat AM, Webster TF, Horton ES, Oken E. Association of Perfluoroalkyl and Polyfluoroalkyl Substances with Adiposity. *JAMA Network Open*. 1.4 (2018): e181493. PMID: 30646133
7. **Cardenas A**, Smit E, Welch B, Bethel J, Kile ML. Cross Sectional Association of Arsenic and Seroprevalence of Hepatitis B Infection in the United States (NHANES 2003-2014). *Environmental Research*. 2018; 166:570-576. PMID: 29966877
8. Peng C, den Dekker M, **Cardenas A**, Rifas-Shiman SL, Gibson H, Agha G, Harris MH, Coull BA, Schwartz J, Litonjua AA, DeMeo DL, Hivert MF, Gilman MW, Savig SK, de Kluizenaar Y, Felix JF, Jaddoe VW, Oken E, Gold DR, Baccarelli AA. Residential Proximity to Major Roadways at Birth, DNA Methylation at Birth and Midchildhood, and Childhood Cognitive Test Scores: Project Viva (Massachusetts, USA). *Environmental Health Perspectives*. 2018 Sep;126(9):97006. PMID: 30226399
9. **Cardenas A**, Gagné-Ouellet V, Allard C, Brisson D, Perron P, Bouchard L, Hivert MF. Placenta DNA Methylation Adaptation to Maternal Glycemic Response in Pregnancy. *Diabetes*. 2018 Aug;67(8):1673-1683. PMID: 29752424
10. Peng C, **Cardenas A**, Rifas-Shiman SL, Hivert MF, Gold DR, Platts-Mills TA, Lin X, Oken E, Baccarelli AA, Litonjua AA, DeMeo DL. Epigenome-wide Association Study of Total Serum Immunoglobulin E in Children: A life Course Approach. *Clinical Epigenetics*. 2018; 10(1):55. PMID: 29692868
11. Rokoff LB, Rifas-Shiman SL, Coull BA, **Cardenas A**, Calafat AM, Ye X, Gryparis A, Schwartz J, Savig SK, Gold DR, Oken E, Fleisch AF. Cumulative Exposure to Environmental Pollutants During Early Pregnancy and Reduced Fetal Growth: the Project Viva Cohort. *Environmental Health*. 2018;17(1), 19. PMID: 29458383
12. Welch B, Smit E, **Cardenas A**, Hystad P, Kile ML. Trends in Urinary Arsenic Among the U.S. Population by Drinking Water Source: Results from the National Health and Nutritional Examinations Survey 2003–2014. *Environmental Research*. 2017;162:8-17. PMID: 29272814
13. **Cardenas A**, Gold DR, Hauser R, Kleinman KP, Hivert MF, Calafat AM, Ye X, Webster TF, Horton ES, Oken E. Plasma Concentrations of Per- and Polyfluoroalkyl Substances at Baseline and Associations with Glycemic Indicators and Diabetes Incidence among High-risk Adults in the Diabetes Prevention Program Trial. *Environmental Health Perspectives*. 2017;125(10):107001. PMID: 28974480
14. Wu S, Hivert MF, **Cardenas A**, Zhong J, Rifas-Shiman SL, Agha G, Colicino E, Just AC, Amarasiriwardena C, Lin X, Litonjua AA, DeMeo DL, Gillman MW, Wright RO, Oken E, Baccarelli AA. Exposure to Low Levels of Lead in Utero and Umbilical Cord Blood DNA Methylation in Project Viva: An Epigenome-Wide Association Study. *Environmental Health Perspectives*. 2017; 125(8):087019. PMID: 28858830

15. **Cardenas A**, Rifas-Shiman SL, Godderis L, Duca RC, Navas-Acien A, Litonjua AA, DeMeo DL, Brennan KJ, Amarasiriwardena C, Hivert MF, Oken E, Gillman MW, Baccarelli AA. Prenatal Exposure to Mercury: Associations with Global DNA Methylation and Hydroxymethylation in Cord Blood and in Childhood. *Environmental Health Perspectives*. 2017; 125(8):087022. PMID: 28934725
16. Kresovich JK, Zheng Y, **Cardenas A**, Joyce BT, Rifas-Shiman SL, Oken E, Gillman MW, Hivert MF, Baccarelli AA, Hou L. Cord Blood DNA Methylation and Adiposity Measures in Early and Mid-childhood. *Clinical Epigenetics*. 2017; 9:86. PMID: 28814982
17. Osorio-Yáñez C, Gelaye B, Qiu C, Bao W, **Cardenas A**, Enquobahrie DA, Williams MA. Maternal Intake of Fried Foods and Risk of Gestational Diabetes Mellitus. *Annals of Epidemiology*. 2017; 27(6):384-390.e1. PMID: 28641758
18. **Cardenas A**, Rifas-Shiman SL, Agha G, Hivert MF, Litonjua AA, DeMeo D, Ling X, Amarasiriwardena C, Oken E, Gillman MW, Baccarelli AA. Persistent DNA methylation changes associated with prenatal mercury exposure and cognitive performance during childhood. *Scientific Reports*. 2017; 7(1):288. PMID: 28325913
19. Lipscomb ST, McClelland M, MacDonald M, **Cardenas A**, Anderson K, Kile ML. Cross-sectional Study of Social Behaviors in Preschool Children and Exposure to Flame Retardants. *Environmental Health*. 2017; 16(1):23. PMID: 28274271
20. Jacqueline JD, Hernan J, Collier R, **Cardenas A**. Perioperative supplementation of polyunsaturated omega-3 fatty acid for the prevention of atrial fibrillation after cardiothoracic surgery. *American Journal of Health-System Pharmacy*. 2017;74.1: 764. PMID: 28007717
21. **Cardenas A**, Allard C, Doyon M, Houseman EA, Bakulski KM, Perron P, Bouchard L, Hivert MF. Validation of a DNA Methylation Reference Panel for the Estimation of Nucleated Cells Types in Cord Blood. *Epigenetics*. 2016;11.11: 773-779. PMID: 27668573
22. Smith-Kelly JB and **Cardenas A**. Assessment of Hospital Staff's Knowledge of Osteopathic Manipulative Medicine: A Survey-Based Study. *Journal of the American Osteopathic Association*. 2016;116(12):764-769. PMID: 27893142
23. **Cardenas A**, Smit E, Bethel JW, Houseman EA, Kile ML. Arsenic Exposure and the Seroprevalence of Total Hepatitis A Antibodies in the US Population: NHANES, 2003-2012. *Epidemiology & Infection*. 2016; 144.08: 1641-1651. PMID: 26739255
24. Kile ML, **Cardenas A**, Rodrigues E, Mazumdar M, Dobson C, Mostofa G, Quamruzzaman Q, Rahman M, Christiani DC. Estimating Effects of Arsenic Exposure During Pregnancy on Perinatal Outcomes in a Bangladeshi Cohort. *Epidemiology*. 2016;27.2: 173. PMID: 26583609
25. **Cardenas A**, Houseman EA, Baccarelli AA, Quamruzzaman Q, Rahman M, Mostofa G, Wright RO, Christiani DC, Kile ML. *In Utero* Arsenic Exposure and Epigenome-Wide Associations in Placenta, Umbilical Artery, and Human Umbilical Vein Endothelial Cells. *Epigenetics*. 2015;10(11):1054-63. PMID: 26646901.
26. **Cardenas A**, Koestler DC, Houseman EA, Jackson BP, Kile ML, Karagas MR, Marsit CJ. Differential DNA Methylation in Umbilical Cord Blood of Infants Exposed to Mercury and Arsenic *in utero*. *Epigenetics*. 2015;10(6):508-515. PMID: 25923418
27. **Cardenas A**, Smit E, Houseman EA, Kerkvliet NI, Bethel JW, Kile ML. Arsenic Exposure and Prevalence of the Varicella Zoster Virus in the United States: NHANES (2003-2004 and 2009-2010). *Environmental Health Perspectives*. 2015; 123(6):590-6 PMID: 25636148

28. Harding AK, Stone DL, **Cardenas A**, Lesser V. Risk behaviors and self-reported illnesses among Pacific Northwest surfers. *Journal of Water and Health*. 2015;13(1), 230-42. PMID: 25719482
29. Kile ML, Houseman EA, Baccarelli AA, Quamruzzaman Q, Rahman M, Mostofa G, **Cardenas A**, Wright, RO, Christiani DC. Effect of prenatal arsenic exposure on DNA methylation and leukocyte subpopulations in cord blood. *Epigenetics*. 2014;9(5), 774-782. PMID: 24525453
30. Duesterdieck-Zellmer KF, Van Metre DC, **Cardenas A**, Cebra CK. Acquired Urethral Obstruction in New World Camelids: 34 cases (1995-2008). *Australian Veterinary Journal*. 2014; 92(8), 313-319. PMID: 24964920
31. Ma W, Ma J, Xu J, Qiao C, Branscum A, **Cardenas A**, Baron AT, Schwartz P, Maihle NJ, Huang Y. Lin28 regulates BMP4 and Functions with Oct4 to Affect Ovarian Tumor Microenvironment. *Cell Cycle*. 2013; 12(1), 88-87. PMID: 23255092 [Featured editorial comment]
32. Sudakin DL, Smit E, **Cardenas A**, Harding AK. Naphthalene Biomarkers and Relationship with Hemoglobin and Hematocrit in White, Black, and Hispanic Adults: Results from the 2003-2004 National Health and Nutrition Examination Survey. *Journal of Medical Toxicology*. 2013; 9(2), 133-138. PMID: 23007805
33. Forsberg ND, Stone D, Harding A, Harper B, Harris S, Matzke MM, **Cardenas A**, Waters KM, Anderson KA. Effect of Native American Fish Smoking Methods on Dietary Exposure to Polycyclic Aromatic Hydrocarbons and Possible Risks to Human Health. *Journal of Agricultural and Food Chemistry*. 2012; 60(27), 6899-6906. PMID: 22690788

Book Chapters

1. Laubach ZM, Faulk CD, **Cardenas A**, Perng W. Nutrition, DNA methylation, and Developmental Origins of Cardiometabolic Disease: A Signal Systems Approach. In: *Handbook of Nutrition, Diet, and Epigenetics* 2017 (pp. 1-18). Springer, Cham.

Oral Presentations at Conferences

Andres Cardenas "The Nasal Methylome as Biomarker of PM_{2.5} Exposure in Children" *The Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology (ISES-ISEE)*, 2018. Ottawa, Canada.

Andres Cardenas "Prenatal Exposure to Mercury and Epigenomic Modifications Associated with Neurodevelopment" *International Conference on Mercury as a Global Pollutant*, 2017. Providence, Rhode Island, USA.

Andres Cardenas "Arsenic and Mercury: from the Environment to our Genome" *North American Water Conference*, 2017. Guadalajara, Mexico.

Andres Cardenas "Prenatal Exposure to Mercury is Associated with DNA Hydroxymethylation in Cord Blood and in Early Childhood" *US DOHaD society, Inaugural meeting*, 2016. Detroit, Michigan, USA.

Andres Cardenas "Persistent DNA Methylation Changes Link Prenatal Mercury Exposure and Cognitive Performance in Childhood" *International Society for Environmental Epidemiology (ISEE) Annual Meeting*, 2016. Rome, Italy.

Andres Cardenas "Arsenic Exposure and Prevalence of the Varicella-Zoster Virus in the United States." *International Society for Environmental Epidemiology (ISEE) Annual Meeting*, 2014. Seattle, Washington, USA.

Andres Cardenas "Effects of prenatal arsenic exposure on DNA methylation and leukocyte subpopulations in umbilical cord blood." *Environmental Health Sciences Trainee Colloquium*, 2014. Corvallis, Oregon, USA.

Andres Cardenas. "Integrating Public Health and Primary Care: Experience and Perspectives of OSU Public Health Students and Graduates." *Oregon Public Health Association (OPHA) Annual Meeting*, 2012. Corvallis, Oregon, USA.

Invited Talks

Andres Cardenas "*Epigenetics in Children's Environmental Health*" Department of Environmental Health, Harvard T.H Chan School of Public Health, 2018, Boston, Massachusetts, USA.

Andres Cardenas "*Epigenetics in Children's Environmental Health: Biomarkers of Exposure and Disease.*" Department of Environmental Health Sciences, Columbia University, 2018, New York, New York USA

Andres Cardenas "*Arsenic, Mercury and PFASs: Epigenetic Programming & Environmental Epidemiology.*" Division of Environmental Health Sciences, University of California Berkeley, 2018, Berkeley, California, USA

Andres Cardenas "*Chemical Exposures and Human Health: The Intersection Between Engineering and a Sustainable Future.*" International Forum of Science and Engineering (IFSES), 2017. University of Guadalajara, Guadalajara, Mexico.

Andres Cardenas "*Arsenic and Mercury Exposure: Immunological and Epigenetic Outcomes*" Department of Environmental Health, Columbia University, 2016. New York, New York, USA.

Andres Cardenas "*In utero Exposure to Arsenic and Mercury: Epigenome-wide Associations and Newborn Health Outcomes*" Laboratory of Human Environmental Epigenetics at Harvard T.H Chan School of Public Health, 2015. Boston, Massachusetts, USA.

Andres Cardenas "*Arsenic Exposure and the Seroprevalence of Hepatitis A, Hepatitis B and VZV Antibodies in the US Population.*" Children's Environmental Health and Disease Prevention Research Center at Dartmouth College, 2014. Hanover, New Hampshire USA.

Poster Presentations

Cardenas A, Hauser R, Gold DR, Kleiman K, Hivert MF, Fleisch AF, Pi-I DL, Calafat A, Ye X, Webster TF, Horton E, Oken E. A Lifestyle Intervention of Exercise and Diet Attenuates Obesogenic Associations of Per- and Polyfluoroalkyl Substances: Results from the Diabetes Prevention Program. *The Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology (ISES-ISEE)*, 2018. Ottawa, Canada.

Cardenas A, Kleiman K, Hivert MF, Webster T, Gold D, Oken E. Exposure to Perfluoroalkyl substances in the Diabetes Prevention Program. *National Institute of Environmental Health Sciences (NIEHS) Obesity Grantee Meeting*, 2017. Bethesda, Maryland.

Cardenas A, Kleiman K, Hivert MF, Webster T, Gold D, Hauser R, Oken E. Exposure to Perfluoroalkyl substances in the Diabetes Prevention Program. *National Institute of Environmental Health Sciences (NIEHS) Obesity Grantee Meeting*, 2017. Bethesda, Maryland.

Cardenas A, Koestler DC, Houseman EA, Jackson BP, Kile ML, Karagas MR, Marsit CJ. Differential DNA Methylation in Umbilical Cord Blood of Infants Exposed to Mercury and Arsenic *in utero*. *International Society for Environmental Epidemiology (ISEE)*, 2015. São Paulo, Brazil.

- Cardenas A**, Houseman EA, Baccarelli AA, Quamruzzaman Q, Rahman M, Mostofa G, Wright RO, Christiani DC, Kile ML. In Utero Arsenic Exposure and Epigenome-Wide Associations in Placenta, Umbilical Artery and Human Umbilical Vein Endothelial Cells. *International Society for Environmental Epidemiology (ISEE) Annual Meeting*, 2015. São Paulo, Brazil.
- Cardenas A**, Houseman EA, Baccarelli AA, Williams D, Quamruzzaman Q, Rahman M, Mostafa G, Christiani DC, Kile ML. *In Utero* Exposure to Cookstove Emissions: Epigenome-Wide Associations and Immunological Changes in Cord Blood. *Superfund Research Program (SRP) Annual Meeting*, 2014. San Jose, California.
- Cardenas A**, Houseman EA, Baccarelli AA, Wright RO, Quamruzzaman Q, Rahman M, Mostafa G, Christiani DC, Kile ML. *In Utero* Arsenic Exposure and Epigenome-Wide Association in Placenta, Artery and HUVEC. *Prenatal Programming and Toxicology (PPTOX)* International Summit, 2014. Boston, Massachusetts.
- Cardenas A**, Smit E, Bethel JW, Houseman EA, Kile ML. Arsenic Exposure and the Seroprevalence of Hepatitis A and B Antibodies in the US Population. *International Society for Environmental Epidemiology (ISEE) Annual Meeting*, 2014. Seattle, Washington USA.
- Cardenas A**, Harding AK, Kile ML, Harper B, Harris S, Motorkyn O, Stone D, Simonich S. Improving Community Health: A Tribal Partnership to Address PAH Exposure from Traditional Smoking Practices. *International Society for Polycyclic Aromatic Hydrocarbons (ISPAC)* Annual meeting, 2013. Corvallis Oregon.
- Cardenas A**, Caul K, McNulty E, Slater J. Screening & Regional Education Network (SCREEN): A collaborative Effort for Early Detection. *Oregon Public Health Association (OPHA) Annual Meeting*, 2013. Corvallis, Oregon.
- Cardenas A**, Sudakin D, Smit E, Harding AK. Naphthalene exposure and relationship with hemoglobin and hematocrit in White, Black, and Hispanic adults: Results from the 2003-2004 National Health and Nutrition Examination Survey. *American Public Health Association (APHA) Annual Meeting*, 2012. San Francisco, California.
- Cardenas A**, Branscum A, Baron AT, Hung Y. Stem Cell Factors as Prognostic Biomarkers of Ovarian Cancer Patients. *Oregon Masters of Public Health (OMPH) Annual Symposium*, 2012. Portland, Oregon.
- Cardenas A**, Wilson B, Branscum AJ, Baron AT. Prognostic Value of Soluble HER-2 in Patients with Non-Small Cell Lung Cancer. *Oregon Public Health Association (OPHA) Annual Meeting*, 2011. Corvallis, Oregon.
- Young-Lorion J. & Cardenas A**. Childhood Obesity Prevention Initiative for the Tri-County Region: Benton, Lincoln, and Linn Counties. *Oregon Public Health Association (OPHA) Annual Meeting*, 2011. Corvallis, Oregon.
- Cardenas A**, Harding AK, Sudakin D, Harper B, Harris S, Stone D, Uesugi S, Hirsch N. Estimating Polycyclic Aromatic Hydrocarbon Exposure from Traditional Native American Food Smoking Practices. *Pacific Northwest Association of Toxicologist (PANWAT) Annual Meeting*, 2011. North Bonneville, Washington.
- Cardenas A**, Wilson B, Branscum AJ, Baron AT. Prognostic Value of Soluble HER-2 in Patients with Non-Small Cell Lung Cancer. *Oregon Masters of Public Health (OMPH) Annual Symposium*, 2011. Corvallis Oregon.

Funding

Children's Health Exposure Analysis Resource (CHEAR)

(Project approved; #2017-1740)

Role: PI

This project will test whether maternal prenatal exposure to metal mixtures (16 metals) during the 1st trimester of pregnancy can disrupt molecular markers of mitochondrial DNA damage and abundance in mothers and children as key mediators of metabolism and infant growth. Over 2,000 samples are being analyzed by CHEAR for metals and mitochondrial DNA biomarkers and telomere length in Project Viva.

NIEHS P42 ES016465, Williams (PI)

09/01/2014-09/01/2015

KC Donnelly Externship Award Supplement

Role: PI

The goal of this NIEHS KC Donnelly externship award was to validate newly developed methods in environmental and molecular epidemiology to adjust for cellular heterogeneity when measuring DNA methylation extracted from whole blood and other tissues. An eight-week externship was completed at the Dartmouth Superfund Research Program.

Editorial Service

Section Co-Editor

- *Current Environmental Health Reports* (Environmental Epigenetics Section)

Ad Hoc Journal Reviewer

- 2018: *Environmental Health Perspectives; Environment International; Environmental Research; Journal of Exposure Science and Environmental Epidemiology*
- 2017: *American Journal of Epidemiology; Environmental Epigenetics; Environmental Research; International Journal of Hygiene and Environmental Health; Environmental Health Perspectives*
- 2016: *Environmental Health Perspectives; Epigenetics; Clinical Epigenetics; Genes*
- 2015: *PLOS ONE; Toxicology and Applied Pharmacology; Environmental Research*
- 2014: *Environment International*

Professional Affiliations

Society for Pediatric and Perinatal Epidemiologic Research (SPER)	2018-Present
International Society for Environmental Epidemiology (ISEE)	2014-Present
US DOHaD Society	2016-Present

Honors & Awards

Jorge Matute Remus Award: University of Guadalajara, Mexico	2017
Beth Ray Honorary Memorial Award: College of Public Health & Human Sciences, OSU	2014-2015
Ruth E. Warnke Research Award: College of Public Health & Human Sciences, OSU	2014-2015
KC Donnelly Externship Award: NIEHS Superfund Research Program	2014
Ava Milam Clark Fellowship: College of Public Health & Human Sciences, OSU	2013-2014
Oregon Master's of Public Health Program: <i>Excellence in Research</i>	2011-2012
Schild-Nicholson Fellowship: College of Public Health & Human Sciences, OSU	2011-2012
Oregon Public Health Association Annual meeting: <i>Outstanding Poster Award</i>	2011

Oregon Master's of Public Health Symposium: <i>Best Poster Award</i>	2011
Powis Lee and Winifred Carloss Heitmeyer Scholarship: College of Science, OSU	2009-2010
Outstanding Student in Biological Sciences; Umpqua Community College	2007-2008

Service & Outreach Activities

Diversity Committee Member, Department of Population Medicine, Harvard Medical School and Harvard Pilgrim Health Care Institute	2018
Steering Committee: Student and New Researcher Network (SNR) International Society for Environmental Epidemiology (ISEE)	2015-present
OSU CPHHS Co-Director Search Committee: Student Representative, OSU	2015
OSU CPHHS Faculty Search Committee: Student Representative, OSU	2013
Community Outreach Uninsured Medical Clinic Volunteer, Corvallis, OR	2009- 2011
Louis Stokes Alliances for Minority Participation Board Member, OSU	2010-2011
Guide Dogs for the Blind volunteer, Corvallis, OR	June 2009-March 2010