

**Molly L. Kile, ScD**  
*CURRICULUM VITAE*

**A. EDUCATION AND EMPLOYMENT INFORMATION**

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**EDUCATION**

University of California, Santa Cruz, CA 1989 - 1995  
Bachelor of Science  
*Major Field: Marine Science*

Harvard School of Public Health, Boston, MA 1999 - 2001  
Master of Science  
*Major Field: Environmental Science and Engineering*

Harvard School of Public Health, Boston, MA 2001 - 2006  
Doctorate of Science in Public Health  
*Major Field: Environmental Health*

**PROFESSIONAL EXPERIENCE**

Associate Professor with tenure 2016 – present  
*Oregon State University, School of Biological and Population Health Sciences, College of Public Health and Human Sciences, Corvallis, OR.*

Assistant Professor 2011 – 2016  
*Oregon State University, School of Biological and Population Health Sciences, College of Public Health and Human Sciences, Corvallis, OR.*

Visiting Scientist 2011 – Present  
*Harvard School of Public Health, Department of Environmental Health, Boston, MA.*

Research Associate 2009 - 2011  
*Harvard School of Public Health, Department of Environmental Health, Boston, MA.*

Instructor 2009 - 2011  
*Harvard Extension Program, Division of Continuing Education, Cambridge, MA*

Postdoctoral Research Fellow 2006 - 2009  
*Harvard School of Public Health, Department of Environmental Health, Boston, MA.*

Research Assistant 1999 - 2006  
*Harvard School of Public Health, Department of Environmental Health, Boston, MA.*

Environmental Consultant 1999 - 2002  
*Bermuda Water Consultants, Ltd. Hamilton, Bermuda*

Research Assistant 1996 - 1999

*Bermuda Biological Station for Research, St. Georges, Bermuda*

Laboratory Technician

1994 - 1996

*Zymax Environmental Analytical Laboratory, San Luis Obispo, CA*

### **EXECUTIVE LEADERSHIP EXPERIENCE**

Environmental Quality Commissioner\*

1<sup>st</sup> term (2017-2019)

*Oregon Department of Environmental Quality*

2<sup>nd</sup> term (2019 - 2023)

Oregon Water Enhancement Board

(2018 – present)

*Appointed voting member*

*\*Appointed by Governor of Oregon and confirmed by Oregon Senate*

## **B. TEACHING, ADVISING, AND OTHER ASSIGNMENTS**

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### **B.1 INSTRUCTIONAL SUMMARY**

#### **CREDIT INSTRUCTION**

*\*Indicates co-instructor for the course*

#### ***Oregon State University***

<i>Quarter</i>	<i>Course #</i>	<i>Course Title</i>	<i>Credits</i>	<i>Students</i>
F2017	H681	Adv. Topics in Environmental & Occupational	3	4
F 2015		Health & Safety	3	4
W 2019	H512	Introduction to Environmental and Occupational	3	7
		Health		
S 2019	H514	Environment, Safety and Health Seminar	1	6
W 2019			1	6
F 2018			1	6
S 2018			1	7
W2018			1	8
F2017				
F 2016	H603	Thesis	12	1
S 2016			16	1
W 2016			16	1
F 2015			9	1
Su 2015			3	1
S 2015			28	2
W 2015			25	2
F 2015			24	2
F 2013			5	1
W 2015	H543	Exposure Science 1	3	19
W 2017			3	9
W 2019	H542	Environmental and Regulatory Risk Assessment	3	9

S 2016			3	11
W 2019	H 642	Environmental and Regulatory Risk Assessment*	3	7
S 2014			3	5
W 2016				
W 2014	TOX 507	SEM/Environmental & Molecular Toxicology (Science Communication for General Audiences)	1	21
F 2013	H 544	Environmental & Occupational Epidemiology	3	6
S 2015			3	16
S 2016			3	7
S 2019			3	6
S 2013	H 546	Environmental & Occupational Sampling*	4	7
F 2012	H 612	Doctoral seminar in public health research & practice*	1	29
W 2012			1	15
S2017	H614	Research Manuscript of Publishable Quality	12	3
S2015			4	1
F2014			4	1
W2013			4	1
W2017	H613	Independent Research Project	16	3
F2017			7	2
F 2016			5	2
F 2013			9	1
W 2013			9	1
F 2012			9	1
F 2011	TOX 699	Integrated Environmental, Chemical & Molecular Toxicology I	3	13
F 2013				
W 2017	H601	Research and Scholarship	4	1
W 2016			2	1
Su 2014			3	1
F 2013			3	1
W 2013			6	2
F 2012			3	1
W 2017	H501	Research and Scholarship	2	1
W 2016			5	1
W 2014			1	1
S 2012			5	1
F/W/S 2013	BRR401	Research and Scholarship	14	2
2016			14	1
W 2014	BI401	Research and Scholarship	2	1
W/S 2016			4	1

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**Harvard School of Public Health**

*Semester Course # Course Title*

*Credits Students*

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S 2011	EH202	Principles of Environmental Health*	2.5	28
S 2010			2.5	17
S 2009			2.5	45
S 2008			2.5	71
S 2007			2.5	41
Su 2006			2.5	57
Su 2010	EH201	Introduction to Environmental Health	2.5	56
Su 2009			2.5	58
Su 2008			2.5	66
Su 2007			2.5	67
S 2011	EH278	Human Health and Global Environmental	2.5	43
S 2010		Change*	2.5	47
<b><i>Harvard Extension School/Division of Continuing Education</i></b>				
F 2010	ENVRE115	Introduction to Sustainable Development*	4	64
F 2009			4	32
F 2008			4	30
F 2007			4	48
F 2006			4	55
F 2005			4	63
S 2006	ENVRE105	Strategies for Environmental Management*	4	47

#### **GUEST LECTURES/NON-CREDIT INSTRUCTION AT OREGON STATE UNIVERSITY**

<i>Quarter</i>	<i>Course #</i>	<i>Course Title/Institution/Lecture</i>	<i>Duration</i>
S 2019	HEST 320	Engineering for Global Solutions	1 Lecture
S 2018		<i>“Introduction to Environmental Health: Focus on</i>	
S 2017		<i>Water and health”</i>	
S 2017	H 525	Principles of Epidemiology	1 Lecture
		<i>“Flame retardants and children’s behaviors”</i>	
S 2015	H546	Exposure Science II	3 Lecture
		<i>“Water quality testing laboratory”</i>	
S 2014	MCB535	Genes and Chemicals: Value and Risk	1 Lecture
		<i>“Gene-Environment Interactions in Human Health</i>	
		<i>Studies:</i>	
S 2014	NUTR 607	Nutrition Seminar Series (OSU)	1 Lecture
		<i>“Exposure to Arsenic and Type 2 Diabetes”</i>	
F 2012/ F 2014	H682	Env/Occ Health & Safety: Research to Practice (OSU)	3 hr / year
		<i>“Regulating Fine Particulate Matter Air Pollution”</i>	
		<i>“Regulating Arsenic in Drinking Water”</i>	
F 2018 F 2017	H612	Doctoral seminar in public health research (OSU)	2 hr / quarter
		<i>“Mentoring”</i>	
		<i>“Scientific Publishing”</i>	

F 2016		<i>"Scientific Publishing"</i>	
F 2015		<i>"Scientific Publishing"</i>	
W 2014/ F 2011		<i>"Arsenic exposure, intestinal microbiota, and immune"</i> <i>"Arsenic exposure and type 2 diabetes in Bangladesh"</i>	
Fall	ENSC515	Environmental perspectives and methods (OSU) <i>"Environmental Health Risk Assessment"</i>	3 hr / year
W 2012	ENSC 520	Environmental Analysis (OSU) <i>"Quantitative Risk Assessment for Human Health"</i>	One week
S 2011 S 2012	H527	Case Studies in International Health (OSU) <i>"Arsenic Crisis in Bangladesh"</i>	3 hr/ year
F/W/S 2011- now	H100	Introduction to Public Health (OSU) <i>"Introduction to Environmental Health"</i>	1 hr/ quarter
F 2013	BR100	Great Experiments (OSU) <i>"Water and Health Research"</i>	1 hr/ year
F 2011 F 2010 F 2009 F 2008	DNH 720	Population Health (Massachusetts General Hospital) <i>"Environmental Determinants of Health"</i>	3 hr/ year

#### **CURRICULUM DEVELOPMENT AT OREGON STATE UNIVERSITY**

- H512 (revised) Introduction to Environmental and Occupational Health (Ecampus)
- Environmental and Occupational Health Undergraduate Minor  
*Revised the previous Environmental, Health & Safety Minor*
- Humanitarian Engineering Undergraduate Minor and Major  
*Contributed to interdisciplinary degree development efforts and contribute guest lectures/case studies to HEST courses.*
- Open Oregon State (Free online course)  
*Chemical risk assessment for human health using Native American Exposure Scenarios*
- H540 Water Pollution and Human Health (3 credits)  
*Developed syllabus for new OSU course taught for the first time in S 2013*
- H541 Air Pollution and Human Health (3 credits)  
*Developed syllabus for new OSU course taught for the first time in F 2013*
- H542 Environmental and Occupational Health Risk Assessment (3 credits)  
*New preparation for course to be taught at OSU in W 2016*
- H543 Exposure Science 1 (3 credits)  
*New preparation for course first taught at OSU in W 2015*
- H544 Environmental and Occupational Epidemiology (3 credits)  
*New preparation for course first taught at OSU in 2013*

- H641 Advanced Topics in Environmental & Occupational Health (3 credits)  
*New preparation for course to be taught at OSU in F 2015*
- H642 Regulatory and Environmental Risk Assessment (3 credits)  
*New preparation for course first taught at OSU in W 2014*
- H642 Sustainable Development (3 credits)  
*Developed syllabus for new OSU course*
- H681 Advanced topics in Environment Health and Occupational Safety (3 credits)  
*Developed syllabus for new OSU course*
- H523 Foundations of Public Health (4 credits)  
*Developed syllabus for new OSU course*
- TOX 507/607 Communicating Science and Risk Beyond Academia  
*New preparation for course to be taught at OSU in W 2015*
- Public Health PhD grant writing course development committee (Open Source)  
*Provided content and interviews that were incorporated into a free online course to help teach students how to write and submit grants to support research activities.*
- Public Health Doctoral Seminar curriculum development committee  
*Developed content for incoming doctoral students in public health that will help them be successful in the program and in the next phase of their career.*
- MPH integrated curriculum case study course development committee  
*Developing new core courses that will be required for all graduate students in the MPH program that focus on interdisciplinary problem solving and prepare them to face emerging challenges in public health.*
- Masters Accelerated Program (4+1) in Public Health with specialization in environmental health risk assessment  
*Preparing application materials for an accelerated master program in environmental human health risk assessment that will target high achieving undergraduates at Oregon State University.*

## TEACHING CASES & OTHER CURRICULUM DEVELOPMENT

Environmental/Public Health Literacy Pre-Conference Workshop (Oct 8, 2017). This 8 hour workshop was approved for 6 continuing education credits. *This workshop was led by **Kile ML**, Irvin V, Rohlman D, Cude C. There were 27 public health practitioners from across the state who enrolled in the workshop. It raised \$2,065 for OPHA.*

Rohlman D, Hirsch N, Kile ML. (2014) “Mercury, The Community, And Me.” This compilation of educational materials for K-8 grades was created to support the U.S. EPA’s Partners in Technical Assistant Program with the objective of giving K-8 a solid foundation in environmental health science. <http://superfund.oregonstate.edu/mercury>

McAuliffe M and Kile M (2009) Community-based environmental health in Ashland, MA. Pg 1-16.

Kile M. (2008) Clean Skies: Regulating particulate matter. pg 1 -14.

Kile M. (2008) Can manufacturing popcorn make you sick? pg 1 -10.

Kile M. (2008) Coal-fired power plants and public health. Pg 1-11.

Kile M. (2008) Mercury in Seafood: How do you balance the risks and benefits? pg 1-10.

Lincoln R and Kile M (2007) Regulating Children's Exposure to Lead. pg 1-10.

Kile M (2007) Water and Health: Would you like bottled or tap? pg 1-15.

## **B2. STUDENT EVALUATION**

### ***Oregon State University***

<i>Course</i>	<i>Quarter</i>	<i>n/N</i>	<i>Item #1</i>	<i>Item #2</i>
H 512 Introduction to Environmental and Occupational Health	W 2019	3/7	5.8	5.8
H514 Environment, Safety, and Health Seminar	F 2017	4/8	5.6	5.7
	W 2018	4/7	5.3	5.9
	S 2018	4/8	5.8	5.8
	F 2018	2/7	6.0	6.0
	W 2019	4/6	5.5	5.3
	S 2019	4/6	5.9	6.0
H543 Exposure Science 1	W 2014	14/16	5.1	5.0
	W 2017	8/9	4.5	5.0
H642 Environmental and Regulatory Risk Assessment	S 2014	6/6	5.2	5.5
H542/642	W 2016	16/18	5.6	5.8
	W 2019	6/9	5.4	5.6
TOX 507 SEM/Environmental & Molecular Toxicology (Science Communication for General Audiences)	W 2014	15/21	5.0	6.0
H544 Environmental & Occupational Epidemiology	F 2013	6/6	5.0	5.5
	W 2015	10/16	5.7	5.8
	S 2016	6/7	5.5	5.8
	S 2017	6/7	5.2	5.2
	S 2019	/6		
H546 Environmental & Occupational Sampling	S 2013	6/7	4.3	4.8
H613 Independent Research Project	F 2012	1/1	5.0	6.0
	F 2013	1/1	6.0	6.0
	W 2013	1/1	6.0	6.0
	W2017	3/3	6.0	6.0
H505 Reading & Conference	S 2012	1/1	6.0	6.0
H612 Doctoral Seminar Public Health	W 2012	14/15	4.5	4.5

	W 2013	21/29	4.5	4.7
Tox 699 ST/INTGR Environmental, Chemical and Molecular Toxicology I	F 2011	6/6	4.7	4.3
	F 2013	5/7	4.3	5.0

Scale: 6 = excellent, 5 = very good, 4 = good, 3 = fair, 2 = poor, 1 = very poor.  
Value reported is the median.

Item #1: "The course, as a whole, was \_\_\_\_."

Item #2: The instructor's contribution to the course was \_\_\_\_."

### **Harvard School of Public Health**

Course	Quarter	n/N	Item #1	Item #2	Item #3
EH202 Principles of Environmental Health	S 2007	66/69	4.0	3.7	4.2
	S 2008	66/69	4.0	3.7	4.2
	S 2009	43/45	3.9	4.2	4.4
	S 2010	15/17	3.8	4.4	4.6
EH201 Introduction to Environmental Health	S 2009	52/56	3.8	3.9	4.2

Scale: (1 to 5, with 5 being the highest)  
Value reported is the median.

Item #1: "Please rate the overall quality and usefulness of the course content \_\_\_\_."

Item #2: "Please rate the overall effectiveness of the instructor in class \_\_\_\_."

Item #3: "Please rate the overall availability of the instructor outside of class \_\_\_\_."

## **B3. ADVISING STUDENTS**

### **DOCTORAL STUDENTS**

#### Oregon State University

Stephanie Foster	2019 -	EOH/PHD	Major Advisor	
Solaiman Abeer Doza	2018 -	EOH/PhD	Major Advisor	
Faye Andrews	2017 -	EOH/PhD	Major Advisor	
Sharia Ahmed	2016 -	EPI/PhD	Major Advisor	
Barrett Welch	'16 - '19	EOH/PhD	Major Advisor	Graduated
Barbara Hudson-Hanley	2015 -	EOH/PhD	Major Advisor	
Andres Cardenas	'12 - '15	EOH/PhD	Major Advisor	Graduated
Jennifer Przybyla	'11 - '16	EOH/PhD	Major Advisor	Graduated
Ying Wang	2019 -	EOH/PhD	Committee	
Leanne Cusack	'12 - '15	EOH/PhD	Committee	Graduated
Eric Coker†	'11 - '16	EOH/PhD	Committee	Graduated
Rebecca Amantia	'17 -	HPHB/PhD	Committee	
Brianna Rivera	'18 -	EMT/PhD	Committee	
Mitra Geier	'14 - '17	EMT/PhD	Committee	Graduated
Stephanie Maggio	'19 -	EMT/PhD	Grad Rep	
Matt Slatterly	'17 - '19	EMT/PhD	Grad Rep	Graduated
Carey Donald	'13 - '17	EMT/PhD	Grad Rep	Graduated
Matt Perkin	'13 - '17	EMT/PhD	Grad Rep	Graduated

Alan Bergmann	'12 – '17	EMT/PhD	Grad Rep	Graduated
Jenny Urbina	'14 – '17	EnvSci/PhD	Grad Rep	Graduated
<u>Harvard School of Public Health</u>				
Christine Dobson	'09-'14	EH/ScD	Committee	Graduated
Wei Jie Seow	'08-'13	EH/ScD	Committee	Graduated
<u>Columbia University Mailman School of Public Health</u>				
Anne Bozack	'18 – '19	EH/PhD	Committee	Graduated
<u>Oregon Health Sciences University/Portland State University</u>				
Lauralee Fernandez	'19 -	Epi/PhD	Committee	

## **MASTERS STUDENTS**

### Oregon State University

Chrystal Ybarra	'18 -	EOH/MPH	Major Advisor	
Stephanie Fitch	'17 – '19	EOH/MPH	Major Advisor	Graduated
Stephanie Foster	'16 - '18	EOH/MPH	Major Advisor	Graduated
Barrett Welch	'14 – '16	EOH/MPH	Major Advisor	Graduated
Barbara Hudson-Hanley	'13 – '15	EOH/MPH	Major Advisor	Graduated
Andrew Willis	'11 - '13	EOH/MPH	Major Advisor	Graduated
Kendra Henderson	'17 – '18	GH/MPH	Major Advisor	Graduated
Lauren Welch	'16 – '18	GH/MPH	Major Advisor	Graduated
Callie Walsh-Bailey	'14 - '16	IH/MPH	Major Advisor	Graduated
Colin Albi	'14 – '17	IH/MPH	Major Advisor	Graduated
Chip Ullstad	'12-'14	IH/MPH	Major Advisor	Graduated
Erin Gleason	'12 – '15	IH/MPH	Major Advisor	Graduated
Robyn Espy	'11-'13	IH/MPH	Major Advisor	Graduated
Ember Hilvers	'11-'13	IH/MPH	Major Advisor	Withdrew
Christopher Burman	'18 -	EOH/MPH	Committee	
Meredith Cocks	'17 – '19	EOH/MPH	Committee	Graduated
Jesse McGinty	'16 – '18	EOH/MPH	Committee	Graduated
Greta Frey	'14-'16	EOH/MPH	Committee	Graduated
Matt Durbin	'14-'16	EOH/MPH	Committee	Graduated
Noelle Spence	'13-'15	EOH/MPH	Committee	Graduated
Corey Fisher	12-'14	EOH/MPH	Committee	Graduated
Cinda Flynn	'10-'12	EOH/MPH	Committee	Graduated
Alexandra Varga*	'13-'15	Bio/MPH	Committee	Graduated
Vananh Minh Nguyen	2014	IH/MPH	Committee	Graduated
Nicholas Bookman	2011	IH/MPH	Committee	Graduated
Lauren Smitherman	'13-'16	WatRes/MS	Committee	Graduated
Elaine Jennings	'17 – '19	EMT/MS	Grad Rep	Graduated
Prithi Singh	2014	EMT/MS	Grad Rep	Graduated
George Tuttle	'11-'12	EMT/MS	Grad Rep	Graduated
Pablo Alvarez Tostado	'12-'14	EnvSci/MS	Grad Rep	Graduated

*†He started his PhD in EOH with me as his primary advisor and I was in this role for two years. When he began his dissertation proposal in air pollution modeling, his primary advisor switched to Dr John Molitor who is an expert in this topic and had data for him to use in his thesis.*

*\*She started MPH in EOH with me as her advisor but encouraged her to change programs to Biostatistics given her professional and academic goals.*

## UNDERGRADUATE STUDENTS

### Oregon State University (research thesis required)

Anna Breen	'19-	BRR/BS	Major Advisor	
Karissa Dempewolf	'19-'20	Sci	Leadership Academy mentor	
Costanza Fantoni*	'19-'20	Chem/Env	Thesis advisor	Graduated
Eyreus Rooney	'16-'17	Bio	NSF Fellow mentor	
Sydelle Harrison	W/S'16	PH/Anthro	Intern advisor	Graduated
Nate Stanley	'15 - '17	BRR/BS	Major Advisor	Graduated
Alan Bienvenida*	'15 - '16	Int'l-Bio/BA	Major Advisor	Graduated
Erik Dove*	'12 - '14	Int'l-Bio/BA	Major Advisor	Graduated
Brittney Alves	'12 - '14	BRR/BS	Major Advisor	Graduated
Kenneth Willard	'13 - '14	BRR/BS	Major Advisor	Graduated
Samantha Millholand	'12 -'13	URAP	Major Advisor	Graduated

\*Honors college student

I have had 2-3 undergraduate and 2-3 undergraduate students enrolled in research credits each term which includes developed an individual plan of study, establishing learning objectives, course deliverables, and weekly meetings.

I have participated in the Undergraduate Research Awards Program (URAP) and have advised undergraduates in the Bioresource Research (BRR) and International Studies majors who have research thesis components.

I have made a concerted effort to increase enrollment of Native American students in higher education, and in particular STEM fields. To this end, I have helped organize several pre-college youth workshops for Native American Students and have brought students from CTUIR, Swinomish, Siletz to OSU (or taken OSU representatives to Reservations) through the Community Engagement Core of the Superfund Research Center.

I have hosted an undergraduate NSF Stem scholar in my lab during their Freshman and Sophomore year, and continued to employ her as her schedule permits as a part-time undergraduate faculty research assistant. I've supported her work, and participation in the OSU CUE poster day.

I have sponsored four Tribal Youth Tours that have brought 78 Tribal highschool students to Oregon State University for a two day introduction to the campus and STEM workshops. These projects were a component of the OSU Superfund Research Program Community Engagement Core, which I have directed since 2016.

## STUDENT RESEARCH ASSISTANTS

<u>Name</u>	<u>Discipline/Degree</u>	<u>Yrs Support</u>	<u>Graduation</u>
Lyndsi Lewis	Environmental Science/BS	F 2018/W 2019	
Eyreus Rooney	Chemistry/BS	W 2018	
Amelia Allee	Public Health/BS	S 2016, F 2016	Graduated
Sydelle Harrison	Public Health-Anthro/BS	S 2016, W 2017	Graduated
	Health Policy/MPH	F2017 -	Graduated
Andres Cardenas	Public Health-EOH/PhD	F 2012-Su 2015	Su2015

Jennifer Przybyla	Public Health-EOH/PhD	F 2011-Su 2012, Su 2015	W 2017
Azaher Ali Molla	Public Health-HPM/PhD	Su 2015	W 2017
Barrett Welch	Public Health-EOH/MPH	F 2014-S2015	Est. S 2015
Corey Fischer	Public Health-EOH/MPH	F2013-S2014	S 2014
Eric Coker	Public Health-EOH/PhD	W 2011-F2014	Est. W2017
Samantha Millholland	Public Health/BS	Su 2013-S 2013	S 2013

I have employed 2-4 graduate students as research assistants in the academic year and summer term. This includes training students in sample collection and laboratory techniques. I have also taken a doctoral student to Bangladesh to conduct field work and primary data collection and have worked with several doctoral students on independent research projects that have led to publications.

#### **AWARDS RECEIVED BY STUDENTS FOR SUPERVISED WORK**

Barret Welch received an OSTLER T1 pre-doctoral training grant from OSU.

Sharia Ahmed received a travel award to attend the doctoral workshop at the Society for Epidemiological Research (SER) annual conference in 2017.

Jennifer Przybyla “Cross sectional study of lipid-adjusted polybrominated flame retardants and self-reported attention deficit hyperactivity disorder in U.S. youth aged 12-15. CSTE Annual Conference, Alaska, 2016. Travel Award.

Barrett Welch, “Trends in arsenic exposure in the US population after the US EPA Arsenic Rule; National Health and Nutritional Examination Survey 2003-2014”, Annual Symposium on Environmental, Occupational and Public Health, 2016. Best Ignite Presentation, MPH.

Greta Frey, “Reporting dietary exposures and metabolism of PAHs from traditionally smoked salmon.”, Annual Symposium on Environmental, Occupational and Public Health, 2016. Best Student Poster, MPH.

Andres Cardenas, “Influence of Prenatal Mercury and Arsenic Exposure In Utero on DNA Methylation in Umbilical Cord Blood”. International Society for Environmental Epidemiology Annual Meeting São Paulo, 2015. Travel Award

Andres Cardenas, “Arsenic Exposure and Seroprevalence of the Varicella-Zoster Virus IgG antibody in the US population” & “Arsenic Exposure and the Seroprevalence of Hepatitis A and B in the US Population”. International Society of Environmental Epidemiology, Seattle, WA, 2014. Travel Award

#### **B4. PEER EVALUATION OF TEACHING**

Peer teaching evaluations were performed by Dr Anthony Veltri, Dr Andy Houseman, Dr John Molitor, and Dr Laurel Kincl. These evaluations follow.

## C. SCHOLARSHIP AND CREATIVE ACTIVITY

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### C.1 REFEREED PUBLICATIONS

\* *Indicates student*

† *Indicates M.L. Kile was senior author*

‡ *Indicates work was conducted after appointment at OSU*

#### **Published Manuscripts**

*Note: Used 2014 Journal Citation Report (JCR) data to provide information about articles published in 2015 since those statistics are not yet available.*

1. Lee, MS, Eum KD, Golam M, Quamruzzaman Q, **Kile ML**, Mazumdar M, Christiani DC. Umbilical Cord Blood Metals and Birth Size in Bangladesh Children. *The Lancet Global Health*
2. Bozack A, Cardenas A, Geldhof J, Quamruzzaman Q, Mostofa G, Christiani DC, Kile ML. Cord blood DNA methylation of DNMT3A mediates the association between in utero
3. Welch B, Branscum A, Goldhod GH, Ahmed SM, Hystad P, Smit E, Afroz S, Megowan M, Golam M, Sharif O, Rahman M, Quamruzzaman Q, Christiani DC, **Kile ML**. Evaluating the effects between metal mixtures and serum vaccine antibody concentrations in children: A prospective birth cohort study. *Environmental Health*, submitted July 7, 2019.

4. Willis, M, Hystad P, **Kile ML**. Applications and reporting of propensity score matching in environmental epidemiology. *Epidemiology, submitted July 2, 2019*.
5. Foster S\*, Pennino M, Compton J, Leibowitz S, **Kile ML** (2019). Arsenic drinking water violations decreased across the United States following revision of the maximum contaminant level. *Environmental Science and Technology*, doi:org/10.1021/acs.est.9b02358
6. Nguyen CC\*, Hudie CN\*, **Kile ML**, Navab-Daneshmand T. (2019) Association between heavy metals and antibiotic-resistant human pathogens in environmental reservoirs: a review. *Frontiers of Environmental Science and Engineering*, 13: 46. <https://doi.org/10.1007/s11783-019-1129-0>
7. Minick D\*, Paulik L\*, Smith B, Scott R, **Kile ML**, Rohlman D, Anderson K. (2019) A passive sampling model to predict PAHs in butter clams (*Saxidomus giganteus*), a traditional food source for Native American tribes of the Salish Sea Region. *Marine Pollution Bulletin*, 145:28-35.
8. Welch B\*, Branscum A, Ahmed SM\*, Hystad P, Smit E, Afroz S, Megowan M, Golam M, Sharif O, Rahman M, Quamruzzaman Q, Christian DC, **Kile ML**. (2019) Arsenic exposure and serum antibody concentrations to diphtheria and tetanus toxoid in children at age 5: A prospective birth cohort in Bangladesh, *Environment International*, 127:810-818.
9. Islam MA, Amin MB, Roy S, Asaduzzaman M, Islam R, Navab-Daneshmand T, Mattioli MC, **Kile ML**, Levy K, Julian TR. (2019) Fecal colonization with multi-drug resistant E. Coli among healthy infants in rural Bangladesh. *Frontiers in Microbiology*, 10: Article 640, pgs 1- 9 doi: 10.3389/fmicb.2019.00640
10. Irvin V, Rohlman D, Vaughn A, Amantia R\*, Berlin C\*, **Kile ML**. (2019) Development and validation of an environmental health literacy assessment screening tool for domestic well owners: Water Environmental Literacy Level Scale (WELLS). *Int J Environ Res Public Health*, 16, 881; doi:10.3390/ijerph16050881.
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association between maternal arsenic exposure, fetal loss, and neonatal mortality, *American Journal of Epidemiology*, 188(2):347-354. PMID: PMC6357795.

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23. Przybyla J\*, **Kile ML**, Smit E. (2017) Description of exposure profiles for seven environmental chemicals in a US population using recursive partition mixture modeling (RPMM). *Journal Of Exposure Science And Environmental Epidemiology*, in press. <https://doi.org/10.1038/s41370-017-0008-7>.
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*Role: Study design and sample collection.*
27. Valeri L, Mazumdar M, Bobb J, Claus-Henn B, Rodrigues E, Sharif O, **Kile ML**, Quamruzzaman Q, Afroz S, Golam M, Amarasiriwardena CC, Bellinger D, Christiani DC, Coull B, Wright RO. (2017) The Joint Effect of Prenatal Exposure to Metal Mixtures on Neurodevelopmental Outcomes at 20–40 Months of Age: Evidence from Rural Bangladesh. *Environmental Health Perspectives*, 125(6):067015 PMID: PMC5744746
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30. Przybyla J\*, Houseman EA, Smit E, **Kile ML**. (2017) A path analysis of multiple neurotoxic chemicals and cognitive functioning in older US adults (NHANES 1999-2002). *Environmental Health*, 7(16):19
31. Cusack LK\*, Smit E, **Kile ML**, Harding AK. (2017) Regional and Temporal Trends in Blood Mercury Concentrations and Fish Consumption in Women of Child Bearing Age in the United States using NHANES data from 1999-2010. *Environmental Health*, 16(1): 10
32. Lin P\*, Bromage S, Mostofa G, Allen J, Oken E, **Kile ML**, Christiani DC. (2017) Validation of a dish-based semi-quantitative food questionnaire in rural Bangladesh. *Nutrients*, 9(1):49
33. Cusack L\*, **Kile ML**, Stone D, Eagles-Smith C, Harding AH. (2016) Selenium: Mercury Molar Ratios in Freshwater Fish from the Columbia River Basin: Potential applications for specific fish consumption advisories. *Biological Trace Element Research*, 907.DOI: 10.1007/s12011-016-0907-9  
*Role: Contributed to data interpretation and manuscript preparation.*
34. Houseman EA. **Kile ML**, Christiani DC, Ince TA, Kelsey KT, Marsit CJ. (2016) Reference-free deconvolution of DNA methylation data and mediation by cell composition effects. *BMC Bioinformatics*,17:259

*Role: Contributed to data collection.*

35. MacDonald M, Lipscomb S, McClelland M, Duncan R\*, Becker D, Anderson K, **Kile ML**. (2016). Relations of preschoolers' visual motor and object manipulation skills with executive function and social behavior. *Research Quarterly for Exercise & Sport*, 87(4). 396-407. Doi: 10.1080/02701367.2016.12229862.  
*Role: Contributed to study design, data collection and manuscript preparation. Involved OSU CPHHS doctoral student in research as 3<sup>rd</sup> author. Served as a co-PI on the grant. All work was conducted at OSU after appointment.*
36. Przybyla J\*, **Kile ML**, Smit E, Houseman EA. (2016) Cross sectional study of polybrominated flame retardants and self-reported attention deficit hyperactivity disorder in U.S. Youth aged 12-15 (NHANES 2003-2004). *Journal of Environmental and Public Health*, Article ID 2392045.  
*Role: Helped conceive study idea, interpret results, and contributed to manuscript preparation.*
37. Rohlman D, Frey G\*, **Kile ML**, Harper B, Harding AH, Harris S, Burke M, Motorykin O, Simmonich SLM. (2016) Communicating results of a dietary exposure study following consumption of traditionally smoked salmon. *Environmental Justice*, 9(3):85-92.  
*Role: Contributed to study design, data collection and manuscript preparation. Principal investigator. All work was conducted at OSU after appointment.*
38. Rodrigues EG, Bellinger D, Valeri L, Hasan OSI, Quamruzzaman Q, Golam M, **Kile ML**, Christiani DC, Wright RO, Mazumdar M. (2016) Neurodevelopmental outcomes among 2- to 3-year-old children in Bangladesh with elevated blood lead and exposure to arsenic and manganese in drinking water. *Environmental Health*, 15:44  
doi:10.1186/s12940-016-0127-y PMID: PMC4788832  
*Role: Contributed to study design, data collection and manuscript preparation.*
39. **Kile ML**, Scott R, O'Connell SG, Lipscomb S, MacDonald M, McClelland M, Anderson K. (2016) Using silicone wristbands to evaluate young children's exposure to 41 flame retardants. *Environmental Research*, 147: 365-372. ‡  
*Role: Lead author, study design, contributed to data analysis, and manuscript preparation. All work was conducted at OSU after appointment.*  
*JCR 2014 Journal Impact Factor: 4.373*  
*JCR 2014 Ranking in Environmental Sciences: 15/221*  
*JCR 2014 Ranking in Public, Environmental & Occupational Health: 15/162*  
*JIF Percentile: 91.049*
40. **Kile ML**, Faraj J\*, Ronnenberg AG, Quamruzzaman Q, Rahman M, Mostofa G, Afroz S, Christiani DC. (2016) A cross sectional study of anemia and iron deficiency as risk factors for Arsenic-induced skin lesions in Bangladeshi women. *BMC Public Health*, 16:158.  
*Role: Co-senior author, study design, sample collection, contributed to data analysis and interpretation, and contributed to manuscript preparation. Co-PI on grant funding.*
41. Teeguarden JG, Tan YM, Edwards SW, Leonard JA, Anderson KA, Corely RA, Harding AK, **Kile ML**, Simonich SM, Stone D, Tanguary RL, Waters KM, Harper SL, Williams DE.

(2016) Completing the Link Between Exposure Science and Toxicology for Improved Environmental Health Decision Making: The Aggregate Exposure Pathway Framework. *Environmental Science & Technology*, 50(9): 4579-4586.

*Role: Contributed to manuscript preparation.*

42. Cardenas A\*, Smit S, Houseman EA, Bethel J, **Kile ML**. (2016) Arsenic Exposure and the Seroprevalence of the Hepatitis A Antibodies in the US Population: NHANES 2003-2012. *Epidemiology and Infection*, 144(8): 1641-1651. doi:10.1017/S0950268815003088. PMID:4855991<sup>†‡</sup>

*Role: Senior author, contributed to data interpretation and manuscript preparation. OSU CPHHS doctoral student as 1<sup>st</sup> author. All work was conducted at OSU after appointment.*

*JCR 2014 Journal Impact Factor: 2.535*

*JCR 2014 Ranking in Public, Environmental & Occupational Health: 47/162*

*JCR 2014 Ranking in Infectious Diseases: 41/78*

*JIF Percentile: 59.948*

43. **Kile ML**, Cardenas A\*, Rodrigues E, Mazumdar M, Dobson C\*, Golam M, Quamruzzaman Q, Rahman M, Christiani DC. (2016) Estimating effects of arsenic exposure during pregnancy on perinatal outcomes in a Bangladeshi birth cohort. *Epidemiology*, 27(2):173-181.<sup>†‡</sup>

*Role: Study design, data analysis, and lead author. All work was conducted after appointment at OSU in collaboration with colleagues at Harvard.*

*JCR 2014 Journal Impact Factor: 6.196*

*JCR 2014 Ranking in Public, Environmental & Occupational Health: 6/162*

*JIF Percentile: 96.605*

44. Cardenas A\*, Houseman EA, Baccarelli AA, Quamruzzaman Q, Rahman M, Mostofa G, Wright RO, Christiani DC, **Kile ML**. (2015) In utero arsenic exposure and epigenome-wide associations in placenta, artery and human umbilical vein endothelial cells. *Epigenetics*, 10:11, 1054–1063. PMID:PM4844206<sup>†‡</sup>

*Role: Senior author, study design and sample collection, data interpretation and manuscript preparation. OSU CPHHS doctoral student as 1<sup>st</sup> author. All work was conducted at OSU after appointment.*

*JCR 2014 Journal Impact Factor: 4.584*

*JCR 2014 Ranking in Genetics & Heredity: 30/167*

*JCR 2014 Ranking in Biochemistry & Molecular Biology: 56/289*

*JIF Percentile: 82.335*

45. Coker E\*, Molitor J, Jerrett M, Ghosh J, Gomez-Rubio V, Beckerman B, Cockburn M, Liverani S, Su J, Li A, **Kile ML**, Ritz B. (2015) Modeling Spatial Effects of PM<sub>2.5</sub> on Low Birth Weight in Los Angeles County. *Environment Research*, 142:354-364. PMID:pending<sup>‡</sup>

*Role: Co-author, contributed to data interpretation and manuscript preparation. All work was conducted at OSU after appointment. OSU CPHHS doctoral student 1<sup>st</sup> author.*

*JCR 2014 Journal Impact Factor: 4.373*

*JCR 2014 Ranking in Environmental Sciences: 15/221*

*JCR 2014 Ranking in Public, Environmental & Occupational Health: 15/162*

*JIF Percentile: 91.049*

46. Rodrigues EG, **Kile ML**, Dobson C, Amarasiriwardena C, Quamruzzaman Q, Rahman M, Golam M, Mahiuddin G, Christiani DC. (2015) Biomarkers of *in utero* exposure to arsenic and manganese. *Journal of Exposure Science and Environmental Epidemiology*, 25(6): 639-48.: pending<sup>†‡</sup>  
Role: Co-author, study design, contributed to data interpretation and manuscript preparation.  
JCR 2014 Journal Impact Factor: 3.185  
JCR 2014 Ranking in Environmental Sciences: 48/221  
JCR 2014 Ranking in Public, Environmental & Occupational Health: 28/162  
JIF Percentile: 83.025
47. Cardenas A\*, Koestler DC, Houseman EA, Jackson B, **Kile ML**, Karagas MR, Marsit CJ. (2015) Differential DNA Methylation in Umbilical Cord Blood of Infants Exposed to Mercury and Arsenic in utero. *Epigenetics*, 10(6):508-15. ‡  
Role: Contributed to manuscript preparation. OSU CPHHS doctoral student as 1<sup>st</sup> author. All work was conducted after appointment at OSU.  
JCR 2014 Journal Impact Factor: 4.584  
JCR 2014 Ranking in Genetics & Heredity: 30/167  
JCR 2014 Ranking in Biochemistry & Molecular Biology: 56/289  
JIF Percentile: 82.335
48. Motorykin O\*, Santiago-Delgado L\*, Rohlman D, Schrlau JE\*, Harper B, Harris S, Harding A, **Kile ML**, Simonich SLM. (2015) Metabolism and Excretion Rates of Parent and Hydroxy-PAHs in Urine Collected after Consumption of Traditionally Smoked Salmon for Native American Volunteers. *Science of the Total Environment*, 514:170-177 PMID: PMC4361301<sup>‡</sup>  
Role: Contributed to study design, data collection, and manuscript preparation. OSU College of Agriculture doctoral student as 1<sup>st</sup> author. All work was conducted at OSU after appointment.  
JCR 2014 Journal Impact Factor: 4.099  
JCR 2014 Ranking in Environmental Sciences: 18/221  
JIF Percentile: 92.081
49. Cardenas A\*, Smit S, Houseman EA, Kerkvliet NI, **Kile ML**. (2015) Arsenic Exposure and Prevalence of the Varicella Zoster Virus in the United States. *Environmental Health Perspectives*, 126(6):590-596 PMID: PMC4455594 <sup>†‡</sup>  
Role: Senior author, contributed to data analysis, and manuscript preparation. OSU CPHHS doctoral student involved in research and as the 1<sup>st</sup> author. All work was conducted at OSU after appointment.  
JCR 2014 Journal Impact Factor: 7.977  
JCR 2014 Ranking in Environmental Sciences: 4/221  
JCR 2014 Ranking in Public, Environmental & Occupational Health: 3/162  
JIF Percentile: 98.457
50. Seow WJ\*, Pan WC\*, **Kile ML**, Lin T, Baccarelli A, Quamruzzaman Q, Rahman M, Mostofa G, Rakibuz-Zaman M, Kibriya M, Ahsan H, Lin X, Christiani DC. (2015) A Distinct and Replicable Squamous Cell Carcinoma Gene *INPPA5* Variant Modifies Susceptibility of Arsenic-Associated Skin Lesions in Bangladesh. *Cancer*, 121(13):2222-2229  
PMCID:PMC4565788<sup>‡</sup>

*Role: Co-author, contributed to study design, data collection, data interpretation, and manuscript preparation. HSPH doctoral student as 1<sup>st</sup> author.*

*JCR 2014 Journal Impact Factor: 4.901*

*JCR 2014 Ranking in Oncology: 38/203*

*JIF Percentile: 87.063*

51. Coker ES\*, Smit E, Harding AK, Molitor J, **Kile ML** (2015). A cross-sectional analysis of behaviors related to operating gas stoves and pneumonia in U.S. children under the age of 5. *BMC Public Health*, 15:77 †‡ PMID: PMC4321321

*Role: Senior author, contributed to data analysis, data interpretation, and manuscript preparation. OSU CPHHS doctoral student as 1<sup>st</sup> author. All work was conducted at OSU after appointment.*

*JCR 2014 Journal Impact Factor: 2.264*

*JCR 2014 Ranking in Public, Environmental & Occupational Health: 53/162*

*JIF Percentile: 67.593*

52. Motorykin O\*, Schrlau J, Jia Y, Harper B, Harris S, Harding A, Stone D, **Kile ML**, Sudakin D, Simonich SLM. (2015) Determination of Parent and Hydroxy PAHs in Personal PM<sub>2.5</sub> and Urine Samples Collected During Native American Fish Smoking Activities. *Science of the Total Environment* 505: 694-703. PMID: PMC4261013 †‡

*Role: Contributed to study design, data collection, and manuscript preparation. OSU College of Agriculture doctoral student as 1<sup>st</sup> author. All work was conducted at OSU after appointment.*

*JCR 2014 Journal Impact Factor: 4.099*

*JCR 2014 Ranking in Environmental Sciences: 18/221*

*JIF Percentile: 92.081*

53. Larkin A\*, Williams DE, **Kile ML**, Baird WM. (2015) Developing a smartphone software package for predicting atmospheric pollutant concentrations at mobile locations. *The Computer Journal*, 58(6):1431-1442. PMID: PMC4489712 ‡

*Role: Contributed to manuscript preparation. OSU College of Agriculture doctoral student as 1<sup>st</sup> author. All work was conducted at OSU after appointment.*

*JCR 2014 Journal Impact Factor: 0.787*

*Journal ranking: Not available*

54. **Kile ML**, Coker ES\*, Smit E, Sudakin D, Molitor J, Harding AK. (2014) A cross-sectional study of the association between ventilation of gas stoves and respiratory illness in U.S. children enrolled in NHANESIII. *Environmental Health* 13:71 PMID: PMC4175218 †‡

*Role: Senior author, contributed to data analysis, data interpretation, and manuscript preparation. Involved OSU CPHHS doctoral student in research as 2<sup>nd</sup> author. All work was conducted at OSU after appointment.*

*JCR 2014 Journal Impact Factor: 3.372*

*JCR 2014 Ranking in Environmental Sciences: 37/221*

*JCR 2014 Ranking in Public, Environmental & Occupational Health: 24/162*

*JIF Percentile: 85.494*

*Note: Highly Accessed Article currently ranked in "Top 10 of all time" for environmental health articles and Top Social Article of 2014 (e.g. in the 98<sup>th</sup> percentile of the 2,531,161 articles tracked by Altmetric in terms of access and reposting). A 2014 Top Social article- cited in over 283 news stories.*

55. Gleason K\*, Shine JP, Shobnam N, Rokoff LB\*, Suchanda HS, Hasan OS, Mostafa G, Amarasiriwardena C, Quamruzzaman Q, Rahman M, **Kile ML**, Bellinger DC, Christiani DC, Wright RO, Mazumdar M. (2014) Contaminated turmeric is a potential source of lead exposure for children in rural Bangladesh. *Journal of Environment and Public Health*, vol. 2014, Article ID: 730636, 5 pgs, doi: 10.1155/2014/730636. PMID: PMC4158309<sup>†‡</sup>  
*Role: Contributed to data interpretation and manuscript preparation. Involved HSPH master student as 1<sup>st</sup> & 4<sup>th</sup> author. Manuscript prepared after appointment at OSU.*  
*SJR 2014 Journal Impact Factor: 0.52*  
*SJR 2014 Ranking in Health, Toxicology and Mutagenesis: Quartile 3*  
*SJR 2014 Ranking in Public, Environmental & Occupational Health: Quartile 2*
56. **Kile ML**, Rodrigues E, Mazumdar M, Dobson C\*, Diao N\*, Golam M, Quamruzzama Q, Rahman M, Christiani DC. (2014) A prospective study of the association between drinking water arsenic exposure and self-reported maternal health symptoms during pregnancy in Bangladesh. *Environmental Health* 13:29 PMID: PMC4021291<sup>†‡</sup> *Note: Highly Accessed Article*  
*Role: Lead author, study design, data collection, data analysis, data interpretation, and manuscript preparation. Involved HSPH doctoral student in research as 4<sup>th</sup> and 5<sup>th</sup> authors. Data analysis, manuscript preparation occurred after appointment at OSU.*  
*JCR 2014 Journal Impact Factor: 3.372*  
*JCR 2014 Ranking in Environmental Sciences: 37/221*  
*JCR 2014 Ranking in Public, Environmental & Occupational Health: 24/162*  
*JIF Percentile: 85.494*
57. Grashow R, Zhang JM, Fang S, Weisskopf M, Christiani DC, **Kile ML**, Cavallari J. (2014) Inverse association between toenail arsenic and body mass index in a population of welders. *Environmental Research*. 131C:131-133. PMID: PMC4035809<sup>‡</sup>  
*Role: Contributed to data interpretation and manuscript preparation. Manuscript prepared and submitted after appointment at OSU.*  
*JCR 2014 Journal Impact Factor: 4.373*  
*JCR 2014 Ranking in Environmental Sciences: 15/221*  
*JCR 2014 Ranking in Public, Environmental & Occupational Health: 15/162*  
*JIF Percentile: 91.049*
58. Seow WJ\*, **Kile ML**, Baccarelli AA, Pan WC\*, Byun HM, Mostofa G, Quamruzzaman Q, Rahman M, Lin X, Christiani DC. (2014) Epigenome-wide DNA Methylation Changes with Development of Arsenic-induced Skin Lesions in Bangladesh: A Case-Control Follow-up Study. *Environmental and Molecular Mutagenesis* 55(6):449-56. PMID: PMC4082746<sup>‡</sup>  
*Role: Co- author, contributed to study design, data collection, data analysis, and manuscript preparation. HSPH doctoral student as 1<sup>st</sup> author. Manuscript prepared and submitted after appointment at OSU.*  
*JCR Impact Factor: 2.553*  
*JCR 2014 Ranking in Toxicology: 37/87*  
*JCR 2014 Ranking in Environmental Sciences: 85/165*  
*JCR 2014 Ranking in Genetics & Heredity: 85/165*  
*JIF Percentile: Not available*
59. **Kile ML**, Houseman E, Baccarelli A, Quamruzzaman Q, Rahman M, Mostofa G, Cardenas A\*, Wright RO, Christiani DC. (2014) Effect of prenatal arsenic exposure on DNA

methylation and leukocyte subpopulations in cord blood. *Epigenetics*. 9(5)

PMID:24525453 PMCID: PMC4063836<sup>†‡</sup>

*Role: Lead author, study design, data collection, data analysis, manuscript preparation, and PI of NIEHS grant that funded this study. Involved OSU CPHHS doctoral student in research as 7<sup>th</sup> author. Manuscript prepared and submitted after appointment at OSU.*

*JCR 2014 Journal Impact Factor: 4.584*

*JCR 2014 Ranking in Genetics & Heredity: 30/167*

*JCR 2014 Ranking in Biochemistry & Molecular Biology: 56/289*

*JIF Percentile: 80.796*

60. Pan WC\*, Seow WJ\*, **Kile ML**, Hoffman EB, Quamruzzaman Q, Rahman M, Mahiuddin G, Mostofa G, Lu Q, Christiani DC. (2013) Association of low to moderate levels of arsenic exposure with risk of Type 2 diabetes in Bangladesh. *American Journal of Epidemiology*. 178(10):1563-70. PMCID: PMC3888275.

*Role: Co-author, study design, data collection, data analysis, and contributed to manuscript preparation. Involved HSPH doctoral student as 1<sup>st</sup> & 2<sup>nd</sup> author. Manuscript prepared and submitted after appointment at OSU.*

*JCR 2013 Journal Impact Factor: 4.975*

*JCR 2013 Ranking in Public, Environmental and Occupational Health: 11/162*

*JIF Percentile: 93.519*

61. Pan WC\*, **Kile ML**, Seow WJ\*, Lin X, Quamruzzaman Q, Rahman M, Mahiuddin G, Mostofa G, Lu Q, Christiani DC. (2013) Genetic Susceptible Locus in NOTCH2 Interacts with Arsenic in Drinking Water on Risk of Type 2 Diabetes. *PLoS ONE*. 8(8): e70792.

PMCID: PMC3743824.

*Role: Co-author, study design, data collection, data analysis, and contributed to manuscript preparation. Involved HSPH doctoral student as 1<sup>st</sup> & 3<sup>rd</sup> author. Manuscript prepared and submitted after appointment at OSU.*

*JCR 2013 Journal Impact Factor: 3.534*

*JCR 2013 Ranking in Multidisciplinary Sciences: 8/56*

*JIF Percentile: 86.364*

62. **Kile ML**, Quamruzzaman Q, Rahman M, Mahiuddin G, Mostofa G, Hsueh YM, Christiani DC, Houseman E. (2013) Influence of GSTT1 genetic polymorphisms on arsenic metabolism. *Indian Society of Agricultural Statistics*. 67(2): 1-9. PMCID: PMC3916182. <sup>†‡</sup>

*Role: Lead author, study design, data collection, data analysis, and manuscript preparation. Contributed to a regional special issue on arsenic toxicity. Manuscript submitted after appointment at OSU.*

*JCR 2013 Journal Impact Factor: Not available*

*JCR 2013 Ranking in Multidisciplinary Sciences: Not available*

*JIF Percentile: Not available*

63. Schure M\*, **Kile ML**, Harding A, Harper B, Harris S, Uesugi S, Goins T. (2013) Perceptions of environment and health among community members of the Confederated Tribes of the Umatilla Indian Reservation. *Environmental Justice* 6(3): 115-120. PMCID:

PMCID: PMC4138542 <sup>‡</sup>

*Role: Co-author, study design, data collection, data analysis, and contributed to manuscript preparation. Involved CPHHS doctoral student as 1<sup>st</sup> author. All work was conducted at OSU after appointment.*

*JCR 2013 Journal Impact Factor: Not available*

*JCR 2013 Ranking in Multidisciplinary Sciences: Not available*  
*JIF Percentile: Not available*

64. **Kile ML**, Fang S, Baccarelli A, Tarantini L, Cavallari J, Christiani DC. (2013) A panel study of occupational exposure to fine particulate matter and changes in DNA methylation over a single workday and years worked in boilermaker welders. *Environmental Health*. 12(47). PMID: PMC3700827<sup>†‡</sup>  
*Role: Lead author, data analysis, and manuscript preparation. Continuation of work initiated while at Harvard but manuscript submitted after appointment at OSU.*  
*JCR 2013 Journal Impact Factor: 2.713*  
*JCR 2013 Ranking in Environmental Sciences: 56/221*  
*JCR 2013 Ranking in Public, Environmental & Occupational Health: 37/162*  
*JIF Percentile: 77.469*
65. Seow WJ\*, Pan WC\*, **Kile ML**, Baccarelli A, Quamruzzaman Q, Rahman M, Mahiuddin G Mostofa G, Lin X, Christiani DC. (2012) Arsenic Reduction in Drinking Water and Improvement in Skin Lesions: A Follow-Up Study in Bangladesh. *Environmental Health Perspectives*. 120(12):1733-8. PMID: PMC3548283.  
*Role: Co-author, study design, data collection, contributed to data analysis, and manuscript preparation. Continuation of work initiated while at Harvard but manuscript submitted after appointment at OSU.*  
*JCR 2012 Journal Impact Factor: 7.260*  
*JCR 2014 Ranking in Environmental Sciences: 4/220*  
*JCR 2014 Ranking in Public, Environmental & Occupational Health: 2/16*  
*JIF Percentile: 99.068*
66. **Kile ML**, Baccarelli AA, Hoffman E, Tarantini L, Quamruzzaman Q, Rahman M, Mostofa G, Hsueh YM, Wright RO, Christiani DC. (2012) Prenatal arsenic exposure and DNA methylation in maternal and umbilical cord blood leukocytes. *Environmental Health Perspectives*. 120(7): 1061-1066. PMID: PMC3404653 PMID: PMC3404653<sup>†‡</sup>  
*Role: Lead author, study design, data collection, data analysis, manuscript preparation, and PI of NIEHS grant that funded this study. Manuscript prepared and submitted after appointment at OSU.*  
*JCR 2012 Journal Impact Factor: 7.260*  
*JCR 2012 Ranking in Environmental Sciences: 4/220*  
*JCR 2012 Ranking in Public, Environmental & Occupational Health: 2/16*  
*JIF Percentile: 99.068*
67. Rodrigues EG, **Kile ML**, Hoffman E, Quamruzzaman Q, Rahman M, Mahiuddin G, Hsueh YM, Christiani DC. (2012) GSTO and AS3MT genetic polymorphisms and differences in urinary arsenic concentrations among residents in Bangladesh. *Biomarkers*. 17(3): 240-247. PMID: PMC3340466.  
*Role: Co-author, study design, data collection, data analysis, and contributed to manuscript preparation. Continuation of work initiated while at Harvard.*  
*JCR 2012 Journal Impact Factor: 1.879*  
*JCR 2012 Ranking in Biotechnology & Applied Microbiology: 88/160*  
*JCR 2012 Ranking in Toxicology: 59/85*  
*JIF Percentile: 31.176*

68. **Kile ML**, Hoffman E, Breton CV, Quamruzzaman Q, Rahman M, Mahiudin G, Hsueh YM, Christiani DC. (2011) A pathway-based analysis of urinary arsenic metabolites and skin lesions. *American Journal of Epidemiology*. 173(7): 778-786. PMID: PMC3105278  
*Role: Lead author, data analysis, and contributed to manuscript preparation.*  
*JCR 2011 Journal Impact Factor: 5.216*  
*JCR 2011 Ranking in Public, Environmental and Occupational Health: 6/158*  
*JIF Percentile: 96.519*
69. **Kile ML**, Baccarelli A, Tarantini L, Hoffman E, Wright RO, Christiani DC. (2010) Correlations of global and gene-specific DNA methylation in maternal-infant pairs. *PLoS ONE*. 5(10):e13730. PMID: PMC2966409.  
*Role: Lead author, study design, data collection, data analysis, manuscript preparation, and PI of NIEHS grant that funded this study.*  
*JCR 2010 Journal Impact Factor: 4.411*  
*JCR 2010 Ranking in Multidisciplinary Sciences: Not available*  
*JCR 2010 Ranking in Biology: 12/86*  
*JIF Percentile: 86.471*
70. **Kile ML**, Hoffman E, Hsueh YM, Afroz S, Quamruzzaman Q, Rahman M, Mahiuddin G, Ryan L, Christiani DC. (2009) Variability in biomarkers of arsenic exposure and metabolism in adults over time. *Environmental Health Perspectives*. 117(3):455-460. PMID: PMC266191  
*Role: Lead author, data analysis, and manuscript preparation*  
*JCR 2009 Journal Impact Factor: 6.191*  
*JCR 2009 Ranking in Environmental Sciences: 4/181*  
*JCR 2009 Ranking in Public, Environmental & Occupational Health: 4/122*  
*JIF Percentile: 97.131*
71. **Kile ML** and Christiani DC. (2008) Environmental arsenic exposure and diabetes. *JAMA-Journal of the American Medical Association*. 300(7): 845-846. PMID: PMC4048320  
*Role: Lead author and manuscript preparation*  
*JCR 2008 Journal Impact Factor: 31.718*  
*JCR 2008 Ranking in Medicine, General & Internal: 2/107*  
*JIF Percentile: 97.500*
72. **Kile ML** and Ronnenberg AG. (2008) Can folate intake reduce arsenic toxicity? *Nutrition Reviews* 66(6): 349-353. PMID: 18522624 PMID: PMC4013823  
*Role: Lead author and manuscript preparation*  
*JCR 2008 Journal Impact Factor: 3.503*  
*JCR 2008 Ranking in Nutrition and Dietetics: 11/59*  
*JIF Percentile: 82.203*
73. Breton CV\*, **Kile ML**, Catalano P, Hoffman E, Quamruzzaman Q, Rahman M, Mahiuddin G, Christiani DC. (2007) GSTM1 and APE1 genotypes affect arsenic-induced oxidative stress: a repeated measures study. *Environmental Health*. 6:39.  
*Role: Co-author, contributed to data analysis, and manuscript preparation*  
*JCR 2009 Journal Impact Factor: 2.481 (2007 data not available)*  
*JCR 2007 Ranking in Environmental Sciences: 45/181*  
*JCR 2007 Ranking in Public, Environmental & Occupational Health: 35/122*  
*JIF Percentile: 71.721*

74. **Kile ML**, Houseman EA, Breton CV\*, Quamruzzaman Q, Rahman M, Mahiuddin G, Christiani DC. (2007) Association between total ingested arsenic and toenail arsenic concentrations. *Journal of Environmental Science and Health Part A-Toxic/Hazardous Substances & Environmental Health*. 42(12): 1827-1843.  
*Role: Lead author, data analysis, and manuscript preparation. Involved HSPH doctoral student as 3<sup>rd</sup> author.*  
*JCR 2007 Journal Impact Factor: 0.967*  
*JCR 2007 Ranking in Environmental Engineering: 24/37*  
*JCR 2007 Ranking in Environmental Sciences: 107/160*  
*JIF Percentile: 33.438*
75. Huyck KL, **Kile ML**, Mahiuddin G, Quamruzzaman Q, Rahman M, Breton CV\*, Dobson CB\*, Frelich J, Hoffman E, Yousuf J, Afroz S, Islam S, Christiani DC. (2007) Maternal arsenic exposure associated with low birth weight in Bangladesh. *Journal of Occupational and Environmental Medicine*. 49(10): 1097-1104.  
*Role: Co-author, study design, data collection and analysis, and contribution to manuscript preparation. Involved HSPH doctoral student as 6<sup>th</sup> and 7<sup>th</sup> author.*  
*JCR 2007 Journal Impact Factor: 2.097*  
*JCR 2007 Ranking in Public, Environmental and Occupational Health: 32/100*  
*JIF Percentile: 68.5*
76. Breton CV\*, Zhou W, **Kile ML**, Houseman EA, Quamruzzaman Q, Rahman M, Mahiuddin G, Christiani DC. (2007) Susceptibility to arsenic-induced skin lesions from polymorphisms in base excision repair genes. *Carcinogenesis*. 28(7): 1520-1525.  
*Role: Co-author, contributed to data analysis and manuscript preparation. Involved HSPH doctoral student as 1<sup>st</sup> author.*  
*JCR 2007 Journal Impact Factor: 5.406*  
*JCR 2007 Ranking in Oncology: 19/132*  
*JIF Percentile: 85.985*
77. **Kile ML**, Houseman EA, Breton CV\*, Smith TJ, Quamruzzaman Q, Rahman M, Mahiuddin G, Christiani DC. (2007) Dietary Arsenic Exposure In Bangladesh. *Environmental Health Perspectives*. (115): 889-893.  
*Role: Lead author, study design, data collection, data analysis, and manuscript preparation*  
*JCR 2007 Journal Impact Factor: 5.636*  
*JCR 2007 Ranking in Environmental Sciences: 1/160*  
*JCR 2007 Ranking in Public, Environmental & Occupational Health: 2/100*  
*JIF Percentile: 98.500*
78. Breton CV, Houseman EA, **Kile ML**, Quamruzzaman Q, Rahman M, Mahiuddin G, Christiani DC. (2006) Gender-specific protective effect of hemoglobin on arsenic-induced skin lesions. *Cancer Epidemiology Biomarkers & Prevention*. 15(5): 902-907  
*Role: Co-author, contributed to data analysis and manuscript preparation*  
*JCR 2006 Journal Impact Factor: 4.289*  
*JCR 2006 Ranking in Oncology: 36/127*  
*JCR 2006 Ranking in Public, Environmental & Occupational Health: 9/98*  
*JIF Percentile: 91.327*

79. **Kile ML**, Houseman EA, Rodrigues E, Smith TJ, Quamruzzaman Q, Rahman M, Mahiuddin G, Su L, Christiani DC. (2005) Toenail arsenic concentrations, GSTT1 gene polymorphisms, and arsenic exposure from drinking water. *Cancer Epidemiology, Biomarkers & Prevention*. 14(10): 2419-2426.  
*Role: Lead author, conducted data analysis and interpretation, and manuscript preparation*  
*JCR 2005 Journal Impact Factor: 4.460*  
*JCR 2005 Ranking in Oncology: 26/127*  
*JCR 2005 Ranking in Public, Environmental & Occupational Health: 5/99*  
*JIF Percentile: 95.455*
80. Ford T, Jay J, Patel A, **Kile ML**, Prommasith P, Galloway T, Sanger R, Smith K, Depledge M. (2005) Use of ecotoxicological tools to evaluate the health of New Bedford Harbor sediments: A microbial biomarker approach. *Environmental Health Perspectives*. 113(2): 186-191.  
*Role: Co-author, data collection, and contributed to manuscript preparation*  
*JCR 2005 Journal Impact Factor: 5.342*  
*JCR 2005 Ranking in Environmental Sciences: 1/140*  
*JCR 2005 Ranking in Public, Environmental & Occupational Health: 1/99*  
*JIF Percentile: 99.495*
81. McCarty KM, Senn DB, **Kile ML**, Quamruzzaman Q, Rahman M, Mahiuddin G, Christiani DC. (2004) Antimony: An unlikely confounder in the relationship between well water arsenic and health outcomes in Bangladesh. *Environmental Health Perspectives*. 112(8): 809-811.  
*Role: Co-author, data interpretation and contributed to manuscript preparation*  
*JCR 2004 Journal Impact Factor: 3.929*  
*JCR 2004 Ranking in Environmental Sciences: 2/134*  
*JCR 2004 Ranking in Public, Environmental & Occupational Health: 5/93*  
*JIF Percentile: 95.161*

#### **BOOK AND BOOK CHAPTERS**

National Academies of Sciences, Engineering, and Medicine (2018) Veterans and Agent Orange: Update 11. Washington, DC: The National Academies Press. doi.org/10.17226/25137.

Kile ML and Mazumdar M. (2015) "Reproductive effects of arsenic exposure." In Flora S (Eds). Handbook on Arsenic Toxicology. Elsevier Science Publishing Co Inc.‡

Matveev, N. V., Kile, M. (2012) "Chapter 28: Pigmentation Changes as a Result of Arsenic Exposure." In Wilhelm KP, Hongbo Z, Maibach HI (Eds) Dermatotoxicology 8th Edition. CRC Press; Boca Raton, FL.‡

Matveev, N. V., Kile, M. (2007) Chapter 95: Pigmentation Changes Resulting From Arsenic Exposure. In Wilhelm KP, Hongbo Z, Maibach HI (Eds) Dermatotoxicology 7th Edition. CRC Press; Boca Raton, FL.

#### **COMMUNITY OUTREACH NEWSLETTERS, WEBINARS, PARTICIPANT REPORTS & VIDEOS (NON-PEER REVIEWED PUBLICATIONS)**

\* *Indicates student*

Kile M. (2017) *Tribal-University Evaluation of Chemical Exposures to Improve Community Health*. Superfund Research Center Community Engagement Core Newsletter.

Kile M. (2016) *Tribal-University Evaluation of Chemical Exposures to Improve Community Health*. Superfund Research Center Community Engagement Core Newsletter.

Kile M. (2015) *Tribal-University Evaluation of Chemical Exposures to Improve Community Health*. Superfund Research Center Community Engagement Core Newsletter.

**Kile ML**, Rohlman D, Frey G\*, Harper S, Harris S, Harding A. (2015) “Personal results from the smoked salmon metabolism study”. This report described the results from a dietary polycyclic aromatic hydrocarbon exposure assessment study conducted in 9 Native Americans who volunteered to eat 50-grams of traditionally smoked salmon and provide repeated urinary samples over a 24-hour period.

**Kile ML**<sup>†</sup>, Alves B\*, McClelland M, MacDonald M, Lipscomb S, Anderson K. (2014) “Parental Report of Children’s Exposure to Flame Retardant Chemicals.” These reports provided 77 parents with biomonitoring results for their children who participated in the Interplay Study and described how their child’s exposure to 21 different flame retardant compounds compared to their peers.

**Kile ML**<sup>†</sup> (2014) Health Effects and Mitigation of Arsenic: Current Research Efforts and Future Directions Workshop and Webinar Discussion Series. National Institutes of Environmental Health Science, Research Park, NC. Videos available online at: <http://www.niehs.nih.gov/about/visiting/events/pastmtg/2014/arsenic/index.cfm>

Kile M. (2014) *Tribal-University Evaluation of Chemical Exposures to Improve Community Health*. Superfund Research Center Community Engagement Core Newsletter.

Kile M. (2013) *CTUIR-OSU Partnership: Reducing exposure and preserving cultural traditions*. Superfund Research Center Community Engagement Core Newsletter. [http://superfund.oregonstate.edu/cec\\_news](http://superfund.oregonstate.edu/cec_news)

Kile M (2013) *Arsenic in Well Water*. Institute of Water and Watersheds White Paper. [http://water.oregonstate.edu/sites/default/files/projects/as\\_well\\_water\\_iww\\_formatted2.pdf](http://water.oregonstate.edu/sites/default/files/projects/as_well_water_iww_formatted2.pdf)

Fisher C\*, Rohlman D, Kile ML. (2014) “Careers in Environmental Health”. This video was created to support the U.S. EPA’s Partners in Technical Assistant Program and introduces students to various careers in science. <https://www.youtube.com/watch?v=B1iQYJqopXM>

Fisher C\*, Rohlman D, Kile ML. (2014) “The Black Butte Mine”. This video was created to support the U.S. EPA’s Partners in Technical Assistant Program and introduces students to history of the Black Butte Mine, a superfund site located in Cottage Grove, OR. [https://www.youtube.com/watch?v=JX\\_4oCZ5fgk&feature=youtu.be](https://www.youtube.com/watch?v=JX_4oCZ5fgk&feature=youtu.be)

## **C.2 PROFESSIONAL MEETINGS, SYMPOSIA, AND CONFERENCES (ALL REFEREED)**

\* *Indicates student*

† *Indicates M.L. Kile was author and presenter*

‡ *Indicates work was conducted after appointment at OSU*

### **PUBLISHED ABSTRACTS FROM CONFERENCE PROCEEDINGS**

1. Bozak A\*, Cardenas A, Houseman EA, Christiani DC, Mostofa G, Quamruzzaman Q, Rahman M, **Kile ML**. Mediation of association between prenatal arsenic exposure and birth outcomes by DNA methylation of *DNMT3A*. International Society for Environmental Epidemiology, Ottawa, Canada, Aug 26-30, 2018.
2. Bozak A\*, Cardenas A, Houseman EA, Christiani DC, Mostofa G, Quamruzzaman Q, Rahman M, **Kile ML**. Effect of prenatal arsenic exposure on gestational age: Mediation by DNA methylation of *miR124-3*. International Society for Environmental Epidemiology, Ottawa, Canada, Aug 26-30, 2018.
3. Welch B\*, Afroz S, Golam M, Sharif O, Halder R, Rahman M, Quamruzzaman Q, Megowan M, Ahmed S\*, Christiani DC, **Kile ML**. Association between serum antibody levels and drinking water arsenic exposure from a prospective birth cohort in rural Bangladesh. International Society for Environmental Epidemiology, Ottawa, Canada, Aug 26-30, 2018.
4. Ahmed SM, Rahman M, Golam M, Rahman M, Quazruzzaman Q, Levy K, Christiani DC, **Kile ML**. “Gestational Arsenic Exposure, Fetal Loss, and Neonatal Death” Society for Epidemiological Research, Baltimore, MD, April 19-22, 2018
5. Ahmed SM, Rahman M, Golam M, Rahman M, Quazruzzaman Q, Levy K, Christiani DC, **Kile ML**. “Gestational Arsenic Exposure and Fetal Loss and Neonatal Death” International Society for Environmental Epidemiology, Sydney, Australia Sept 24-28, 2017
6. Welch B, Golam M, Quamruzzaman Q, Rahman M, Christiani DC, **Kile ML**. “Changes in drinking water arsenic concentrations among a Bangladeshi prospective birth cohort.” Southeast Asia Regional Conference on Groundwater Arsenic, Hanoi, Vietnam, Nov 2-3, 2017.
7. Asaduzzaman, M., Roy, S., Amin, B., Hore, S.K., Mahmud, Z.H., Daneshmand, T.N., Mattioli, M.C., **Kile, M.L.**, Levy, K., Julian, T.R., Islam, M.A.(2018) Role of chronic arsenic exposure in intestinal colonization of multidrug resistant bacteria in humans– Linking the water insecurity in the genomic evolution of antimicrobial resistance in Bangladesh. International One Health Congress, Saskatoon, Canada
8. **Kile ML** and Sen B (2017) Emerging Environmental Health Issues in Southeast Asia Symposium. International Society for Environmental Epidemiology, Sydney, Australia.
9. Lin PI, Bromage S, Mostofa G, Allen J, Oken E, **Kile ML**, Christiani DC. (2017) Association between dietary intakes and toenail arsenic levels among pregnant women in a prospective birth cohort in Bangladesh. American Public Health Association, Atlanta, GA.

10. Irvin VL, Rohlman D, Vaughn A, Amantia R, **Kile ML** (2017) Development and validation of an environmental health literacy tool. 38th Annual Meeting of the Society of Behavioral Medicine, San Diego, CA.
11. **Kile ML**, Chetock T, Cude C, Dubuisson N, Emminger B, Lucas C, Irvin V. (2016) Reducing exposure to environmental hazards by promoting domestic well water safety. American Public Health Association, Denver, CO.
12. **Kile ML**, Anderson K. (2016) The wristband sampler saga. International Society for Exposure Science, Utrecht, NL.
13. **Kile ML**, Lipscomb S, MacDonald M, McClelland M, Scott R, O'Connell SG, Anderson K. (2016) Assessing preschool children's exposure to flame retardants, using silicone wristbands, and links with teacher-rated social behaviors. International Society for Exposure Science, Utrecht, NL.
14. **Kile ML**, Cardenas A, Houseman EA, Smit E, Christiani DC (2016) Associations between arsenic exposure and systemic immune responses in children and adults in the U.S. and Bangladesh. International Society for Environmental Epidemiology, Rome, Italy.
15. **Kile ML**<sup>†</sup>, Cardenas A\*, Rodrigues E, Mazumdar M, Dobson C, Golam M, Quamruzzaman Q, Rahman M, Christiani DC (2015). Applying structural equation models to estimate the effect of prenatal arsenic exposure on birth weight. International Society for Environmental Epidemiology, São Paulo, Brazil. #
16. Cardenas A\*, Koestler DC, Houseman EA, Jackson BP, **Kile ML**, Karagas MR, Marsit CJ. (2015). Influence of prenatal mercury and arsenic exposure *in utero* on DNA methylation in umbilical cord blood. International Society for Environmental Epidemiology, São Paulo, Brazil. #
17. Cardenas A\*, Houseman EA, Baccarelli A, Quamruzzaman Q, Rahman M, Mostofa G, Christiani DC, **Kile ML** (2015). *In utero* exposure to cookstove emissions: Epigenome-Wide Associations and Immunological Changes in Cord Blood. International Society for Environmental Epidemiology, São Paulo, Brazil. #
18. Tepfer A\*, Lipscomb S, **Kile M**, McClelland M, MacDonald M. (2015). Motor skills and early academic achievement. Research quarterly in exercise and sport. 86(Suppl 2). A103-A104. #
19. **Kile ML**<sup>†</sup> (2014) Health Effects and Mitigation of Arsenic: Current Research Efforts and Future Directions Workshop and Webinar Discussion Series. National Institutes of Environmental Health Science, Research Park, NC. Available online at: [http://www.niehs.nih.gov/about/visiting/events/pastmtg/2014/arsenic/niehs\\_arsenic\\_workshop\\_report\\_508.pdf](http://www.niehs.nih.gov/about/visiting/events/pastmtg/2014/arsenic/niehs_arsenic_workshop_report_508.pdf)
20. Cardenas A\*, Smit E, Houseman EA, Kerkvliet NI, **Kile ML**. (2014) Arsenic Exposure and Seroprevalence of the Varicella-Zoster Virus IgG antibody in the US population.

International Society of Environmental Epidemiology, Seattle, WA. *Environmental Health Perspectives*, Abstract Number: 1950 <http://ehp.niehs.nih.gov/isee/o-140/>

21. Cardenas A\*, Smit E, Bethel JW, Houseman EA, **Kile ML**. (2014) Arsenic Exposure and the Seroprevalence of Hepatitis A and B in the US Population. International Society of Environmental Epidemiology, Seattle, WA. *Environmental Health Perspectives*, Abstract Number: 1748 <http://ehp.niehs.nih.gov/isee/p3-776/>
22. Seow WJ\*, Pan WC\*, **Kile ML**<sup>†</sup>, Baccarelli A, Quamruzzaman Q, Rahman M, Mostofa G, Su L, Lin X, Christiani DC (2013) "Genetic Variants in One-carbon Metabolism and DNA Repair Genes Modify the Association between Arsenic and Skin Lesions in Bangladesh" International Society of Environmental Epidemiology, Basel, Switzerland. *Environmental Health Perspectives*, <http://ehp.niehs.nih.gov/ehbasel13/o-3-38-03/>
23. Dobson C\*, **Kile ML**, Rodrigues E, Afroz S, Quamruzzaman Q, Mostofa G, Rahman M, Mahiuddin G, Christiani DC. (2013) "Cadmium biomarker levels in maternal-infant pairs in Bangladesh," International Society of Environmental Epidemiology, Basel, Switzerland. *Environmental Health Perspectives*, <http://ehp.niehs.nih.gov/ehbasel13/p-1-18-08/> .
24. Kile **ML**<sup>†</sup>, Houseman EA, Baccarelli A, Quamruzzaman Q, Rahman M, Wright RO, Christiani, DC, (2012). "Influence of maternal arsenic exposure on DNA methylation of KEGG pathways in fetal tissues," International Society for Environmental Epidemiology, Columbia, South Carolina. *Epidemiology*, 23(5S). <sup>†</sup>
25. Pan WC\*, Seow WJ\*, **Kile ML**<sup>†</sup>, Quamruzzaman Q, Mahiuddin G, Mostofa G, Lu Q, Christiani DC (2012). "Synergistic effects of ingested arsenic and cigarette smoking on risk of type 2 diabetes," Columbia, South Carolina. (August 2012). International Society for Environmental Epidemiology, Columbia, South Carolina. *Epidemiology*, 23(5S).
26. **Kile ML**<sup>†</sup>, Baccarelli A, Hoffman E, Tarantini L, Quamruzzaman Q, Rahman M, Mahiuddin G, Wright RO, Christiani, DC. (2011) *In utero exposures to arsenic is associated with altered DNA methylation in umbilical cord blood leukocytes*. International Society of Environmental Epidemiology, Barcelona, Spain. *Environmental Health Perspectives* <http://ehp.niehs.nih.gov/isee/PDF/isee11Abstract00958.pdf>
27. Rodrigues E, **Kile ML**<sup>†</sup>, Hoffman E, Quamruzzaman Q, Rahman M, Mahiuddin G, Huseh YM, Christiani DC.(2011) "GSTO and AS3MT gene polymorphisms and differences in urinary arsenic concentrations among residents in Bangladesh". International Society of Environmental Epidemiology, Barcelona, Spain. *Environmental Health Perspectives* <http://ehp.niehs.nih.gov/isee/PDF/isee11Abstract01574.pdf>
28. **Kile ML**<sup>†</sup>, Quamruzzaman Q, Rahman M, Mahiuddin G, Christiani DC. Preliminary results from a study of prenatal arsenic exposure and reproductive health outcomes in Bangladesh. 9<sup>th</sup> International Conference on Arsenic. Dhaka, Bangladesh. 2011.

29. **Kile ML**<sup>†</sup>, Baccarelli A, Hoffman E, Rodrigues E, Christiani DC (2010) The dose-response relationship between urinary arsenic metabolites and skin lesions using a pathway approach. International Society for Environmental Epidemiology, South Carolina, 2010.
30. **Kile ML**<sup>†</sup>, Wright RO, Amarasiriwardena C, Quamruzzaman Q, Rahman M, Mahiuddin G, Christiani DC. (2009) Maternal and umbilical cord blood levels of arsenic, cadmium, manganese, and lead in rural Bangladesh. International Society for Environmental Epidemiology, Dublin, Ireland. *Epidemiology* 20(6): S149-S150.
31. **Kile ML**, Quamruzzaman Q, Rahman M, Mahiuddin G, Christiani DC. Chronic Arsenic Toxicity and Metabolism: Increased risk of skin lesions? 8<sup>th</sup> International Conference on Arsenic. Dhaka, Bangladesh. 2009.
32. **Kile ML**, Baccarelli A, Hoffman E, Wright RO, Christiani DC. (2008) Arsenic exposure and global DNA methylation. *Epidemiology* 19(6): S304-S305.
33. **Kile ML**, Hoffman E, Quamruzzaman Q, Rahman M, Mahiuddin G, Hseuh YM, Christiani DC. (2008) Arsenic methylation is associated with skin lesions. *Epidemiology* 19(6):S208-S208.
34. **Kile ML** (2007) Biomarkers of prenatal exposure to arsenic. *Epidemiology* 18(5):S47.
35. **Kile ML**, Houseman EA, Smith TJ, Harrington JJ, Quamruzzaman Q, Rahman M, Mahiuddin G, Christiani DC. Dietary Arsenic Exposure for Female Heads of Households in Bangladesh. (2006) *Epidemiology* 17(6):S137-S138.
36. **Kile ML**, Houseman EA, Smith TJ, Harrington JJ, Quamruzzaman Q, Rahman M, Mahiuddin G, Christiani DC. The Relationship Between Urinary Arsenic Metabolites, Drinking Water, And Genetic Polymorphisms In Glutathione S-transferase M1 And T1. (2006) *Epidemiology* 17(6):S149-150.
37. **Kile ML**, Houseman EA, Quamruzzaman Q, Rahman M, Mahiuddin G, Christiani DC. Longitudinal Analysis of Toenail Arsenic Concentrations in an Exposed Population. 1<sup>st</sup> Central and Eastern European Environmental Health Conference, Prague, 2004.
38. **Kile ML**, Jay J, Lachmayr K, Patel A, Paulauskis J, Ford T. Prevalence of arsA, arsB, and arsC in arsenic-resistant New Bedford Harbor bacteria: implications for biomarker development. ASM Conference Proceedings. 2001.
39. Jay J, **Kile ML**, Paulauskis J, Lachmayr K, Ford T. Presence of arsC in arsenic resistant bacteria from New Bedford Harbor, MA. ASM Conference Proceedings, 2000.

#### **OTHER SCIENTIFIC MEETINGS, POSTERS AND ORAL PRESENTATIONS**

1. Andrews F\*, Welch B\*, Smit E, **Kile ML**. Urinary polycyclic aromatic hydrocarbons concentrations and prevalence of Hepatitis B viral antibody serology in the United States (NHAHES, 2003-2014). Superfund Annual Research Conference, Sacramento, CA 2018.

2. Welch B\*, Branscum A, Ahmed SM\*, Hystad P, Smit E, Afroz s, Megowan M, Golam M, Sharif O, Rahman M, Quamruzzaman Q, Christiani DC, **Kile ML**. Arsenic exposure and serum antibody concentrations in children at age 5. Superfund Annual Research Conference, Sacramento, CA 2018.
3. Harper S, Rohlman D, **Kile ML**, Simonich S, Anderson KA, Waters K, Tanguay R. Interactive Research Translation and Collaborative Network Development: How Can OSU SRP Assist You? Superfund Annual Research Conference, Sacramento, CA 2018.
4. Bozack AK\*, Cardenas A, Christiani DC, **Kile ML**. Addressing multicollinearity in epidemiological studies: Characterizing multiple environmental exposures and assessing mediation by DNA methylation. Superfund Annual Research Conference, Sacramento, CA 2018.
5. **Kile ML**, Rohlman D, Donatuto J, Campbell L, Heidt M, Anderson K. Increasing knowledge of PAH exposure experienced by Tribal Members. Annual Superfund Research Conference, Philadelphia, Dec 6-7, 2017
6. Asaduzzaman M, Roy, S, Amin B, Hore SK, Mahumud ZH, Navad-Daneshmand T, Mattioli MC, **Kile M**, Levy K, Julian TR. "Intestinal colonization of antibiotic resistant bacteria in humans with chronic exposure to arsenic" Asian Conference on Diarrhoeal Disease and Nutrition (ASCODD). Kochi, India Oct 30-Nov 1, 2017.
7. Lipscomb S, McClelland M, McDonald M, Cardenas A, Anderson K, **Kile ML**. Social behaviors in preschool children and exposure to flame retardants, Children's Environmental Health Network Annual Conference, April 5-6, 2017, Arlington, VA.
8. Irvin V, Rohlman D, Amantia R, Vaughn A, **Kile ML**. Development and validation of an environmental health literacy assessment tool, Society of Behavioral Medicine Annual Conference, Mar 31-Apr 1, 2017, San Diego, CA.
9. Rohlman D, Donatuto J, Campbell L, Simonich SLM, Anderson KA, Frey G, Dixon H, Kramer A, Davie-Martin C, Harding A, **Kile ML**. "A Tribal-University Partnership to Evaluate Environmental Health." Native Health Conference, June 5-8, 2016
10. Rohlman D, Frey G, **Kile ML**, Harper B, Harris S, Harding A, Santiago-Delgado L, Motorykin O, Simonish SLM. Reporting dietary exposures and metabolism of PAHs from a tribally important food. Superfund Research Center Annual Conference. Puerto Rico, Nov 2015.
11. Santiago-Delgado L\*, Motorykin O\*, Rohlman D, Schrlau JE, Harper B, Harris S, Harding A, **Kile ML**, Simonich SLM. Metabolism and excretion rates of parent and hydroxy-PAHs in urine collected after consumption of traditionally smoked salmon for Native American Volunteers. Superfund Research Center Annual Conference. Puerto Rico, Nov 2015.

12. Frey G\*, Rohlman D, **Kile ML**, Harper B, Harris S, Harding AK. Reporting dietary exposures and metabolism of PAHs from traditionally smoked salmon. Oregon Public Health Association, Corvallis OR, October 12-13, 2015. #
13. Santiago-Delgado L\*, Motorykin O, Rohlman D, Schrlau JE\*, Harper B, Harris S, Harding A, **Kile ML**, Simonich SLM. Metabolism and excretion rates of parent and hydroxyl-PAHs in urine collected after consumption of traditionally smoked salmon for Native American volunteers. 28th International Symposium on Polymer Analysis and Characterization, Houston, Texas, June 8-10, 2015. #
14. Huntsinger T, Lucas C, **Kile ML**, Emminger B, Eldridge A, Chetock T. Contaminated Well Water: A Hidden Public Health Threat. NW Environmental Health Conference, April 17, 2015. #
15. Rohlman D, Kincl L, **Kile ML**, Frey G, Harding A, Anderson K. Reporting community-based participatory research to communities. NW Environmental Health Conference, April 17, 2015. #
16. Dreyfus M, Hirsch NR, Rohlman D, Conley A, Lynch K, Muza R, Briggs L, Fisher C, **Kile ML**, Stone D. EPA's Pilot Partners in Technical Assistance Program (PTAP), Collaboration to Meet Community Technical Assistance Needs: The Black Butte Mine Superfund Site Project. NIEHS Superfund Annual Meeting. San Jose, CA, November 12-14, 2014. #
17. Cardenas A\*, Houseman EA, Baccarelli A, Williams D, Quamruzzaman Q, Rahman M, Mostofa G, Christiani DC, **Kile ML**. In Utero exposure to cookstove emissions: Epigenome-wide associations and immunological changes in cord blood. NIEHS Superfund Annual Meeting. San Jose, CA, November 12-14, 2014 #
18. Tepfer, A. \*, Anderson, K., **Kile, M.**, Lipscomb, S., McClelland, M. & MacDonald, M. National Federation of Adapted Physical Activity, "Motor skill proficiency and school readiness in at-risk preschool children", National Federation of Adapted Physical Activity, Ann Arbor, MI., October 2014. #
19. Dobson C\*, Coull B, Hauser R, **Kile ML**, Rodrigues E, Golam M, Rahman M, Quamruzzaman Q, Christiani DC. Cord blood cadmium and fetal growth indices in a Bangladesh birth cohort. Prenatal/Perinatal Toxicology (PPTOX), Boston, 2014. #
20. Dobson C\*, **Kile ML**, Rodrigues E, Su L, Golam M, Rahman M, Quamruzzaman Q, Coull B, Hauser R, Christiani DC. Associations of cord blood cadmium with placental gene expression and fetal growth indices in a Bangladesh birth cohort. Prenatal/Perinatal Toxicology (PPTOX), Boston, 2014. #
21. **Kile ML**, Cardenas A\*, Rodrigues E, Mazumdar M, Dobson C\*, Golam M, Quamruzzaman Q, Rahman M, Christiani DC. Using structural equation models to examine the association between prenatal arsenic exposure, maternal health, and birth weight. Prenatal/Perinatal Toxicology (PPTOX), Boston, 2014. #

22. Cardenas A\*, Houseman EA, Baccarelli A, Christiani DC, Wright RO, Quamruzzaman Q, Rahman M, Golam M, **Kile ML**. *In Utero* Arsenic Exposure and Epigenome-Wide Association in Placenta, Artery and HUVEC, Prenatal/Perinatal Toxicology (PPTOX), Boston, 2014. ‡
23. Dobson C\*, Coull B, Hauser R, **Kile ML**, Rodrigues E, Mostafa G, Rahman M, Quamruzzaman Q, Christiani DC. Cord blood cadmium and fetal growth indices in a Bangladesh birth cohort, Prenatal/Perinatal Toxicology (PPTOX), Boston, 2014. ‡
24. Dobson C, **Kile ML**, Rodrigues E, Su L, Mostafa G, Rahman M, Quamruzzaman Q, Coull B, Hauser R, Christiani DC. Associations of cord blood cadmium with placental gene expression and fetal growth indices in a Bangladesh birth cohort, Prenatal/Perinatal Toxicology (PPTOX), Boston, 2014. ‡
25. Rohlman D, Hirsch N, Lynch K, Conley A, Dreyfuss M, Briggs L, Muza R, Fischer C\*, **Kile ML**, Stone D. Mercury, The Community, and Me: Increasing environmental health literacy in school-aged children using a community history of mercury mining. PEPH Annual Meeting, National Institute of Environmental Health Science, Research Triangle Park, NC. Sept 22-24, 2014. ‡
26. Dong X, Greer R, Peremyslova K, Lemaitre J, Houseman A, Kerkvliet N, Shulzhenko N, **Kile ML**, Morgun A.. Early life arsenic exposure from drinking water leads to change of microbiota and immune function in children in Bangladesh. Oregon Health Science University Research Week. Portland, OR. May 4, 2014. ‡
27. Rohlman, D., Harper, B., Harding, A., Harris, S., **Kile, ML**, Anderson, K., Simonich, S. Evolution of a robust tribal-university research partnership to investigate tribal exposures and build scientific capacity. Oral presentation at the Contemporary Northwest Tribal Health Conference, Portland, OR. April 10, 2014<sup>‡</sup>
28. Przybyla J\*, **Kile M**, McDonald M, McClelland M, Lipscomb S, Anderson K. Detection of 41 Flame Retardants in a Pacific Northwest Sample of Preschool Aged Children. 6<sup>th</sup> Annual Northwest Environmental Health Conference, Portland, OR. April 6, 2014<sup>‡</sup>
29. Rohlman D., Harper B., Harding A., Harris S., **Kile ML.**, Anderson K., Simonich S. Evolution of a robust tribal-university research partnership to investigate tribal exposures and build scientific capacity. Oral presentation at the 6th Annual Northwest Environmental Health Conference, Portland, OR. April 6, 2014<sup>‡</sup>
30. Rohlman D, Kincl LD, **Kile M**, Anderson KA. Community-based EHSC Pilot Projects: Utilizing interdisciplinary approaches and community involvement to address environmental health concerns. Environmental Molecular Toxicology Research Day, Corvallis OR, 2014. †‡
31. **Kile M**<sup>†</sup>, Rodrigues E, Dobson C\*, Diao N\*, Mostofa G, Quamruzzaman Q, Rahman M, Christiani DC. A prospective cohort study of the association between drinking water

arsenic exposure and self-reported maternal health symptoms during pregnancy. NIEHS/EPA, Superfund Annual Research Conference, Baton Rouge, LA. 2013.‡

32. Harding A, Uesugi S, Harper B, Harris S, Schure M\*, **Kile ML**, Goins TR. Perceptions of Environment and Health Among Community Members of the Confederated Tribes of the Umatilla Indian Reservation. The American Public Health Association, Boston MA. 2013‡
33. Cardenas A\*, Harding A, **Kile M**, Harper B, Harris S, Motorykin O, Stone D. Improving Community Health: A Tribal Partnership to Address PAH Exposure From Traditional Smoking Practices. International Symposium on Polycyclic Aromatic Compounds, Corvallis OR. 2013. ‡
34. Tepfer, A.\* , Anderson, K., **Kile, M.**, Lipscomb, S., McClelland, M., MacDonald, M. National Consortium for Physical Education for Individuals with Disabilities, "Motor skill performance & school readiness," Washington, DC. , July 2013. ‡
35. Coker ES\*, Arkin LC, Guzman A, Kincl LD, **Kile ML**, Molitor JT. Using public school enrollment records for examining asthma in school children in Eugene, Oregon. NIEHS Environmental Health Disparities & Environmental Justice Meeting, Research Triangle Park, NC. 2013‡
36. Coker ES\*, **Kile ML**, Harding A, Sudakin D, Smit E. Heating with a Gas Stove or Ventilation are Associated with Lower Respiratory Tract Infection in Young Children. 4<sup>th</sup> Annual Northwest Environmental Health Conference, Portland OR. March 15, 2013‡
37. Uesugi S, Harding A, Harper B, Harris S, Schure M\*, **Kile M**, Goins T. Environment and health connections: Perspectives from community members of the Confederated Tribes of the Umatilla Indian Reservation. Superfund Research Program Annual Meeting, Raleigh, North Carolina. October 2012.
38. **Kile M**<sup>†</sup>, Houseman E.A., Christiani DC. Prenatal Programming and Toxicology/Environmental Stressors in the Developmental Origins of Disease: Evidence and Mechanisms, "Prenatal arsenic exposure and altered DNA methylation in fetal tissues," Society for Toxicology, Paris, France. 2012. ‡
39. **Kile M**<sup>†</sup>, Quamruzzaman Q, Rahman M, Mahiuddin G, Christiani DC. Preliminary results from a study of prenatal arsenic exposure and reproductive health outcomes in Bangladesh. Dhaka: 9th International Conference on Arsenic. 2011.
40. **Kile M**<sup>†</sup> Arsenic as an epigenetic toxicant: low level arsenic exposure is associated with DNA hypermethylation, Oregon Public Health Association, Corvallis, OR. 2011.
41. **Kile M.**<sup>†</sup> In utero exposure to arsenic is associated with altered DNA methylation in umbilical cord leukocytes, International Society for Environmental Epidemiology, Barcelona, Spain. 2011.

42. **Kile M**, Rodriguez E., Christiani DC GSTO and AS3MT gene polymorphisms and differences in urinary arsenic concentrations among residents in Bangladesh, International Society for Environmental Epidemiology, Barcelona, Spain. 2011.
43. **Kile, M**, Houseman, E., Quamruzzaman, Q., Rahman, M., Mahiuddin, G., Christiani, D. C. Longitudinal Analysis of Toenail Arsenic Concentrations in an Exposed Population. 1st Central and Eastern European Environmental Health Conference, 2004.

#### **INVITED LECTURES & PRESENTATIONS**

1. National Institute of Environmental Health Science (NIEHS) Keystone Lecture and Webinar “Prenatal arsenic exposure and children’s health to age 5: A prospective birth cohort study in Bangladesh”, NIEHS, North Carolina, May 28, 2019.
2. National Academy of Science, Engineering, and Medicine. “Metal Exposure and Infectious Disease” in Towards Understanding the Interplay of Environmental Stressors, Infectious Disease, and Human Health Workshop and webcast, Washington DC, Jan 15-16, 2019.
3. US EPA National Social and Environmental Science Exchange (SESE) “Community Partnership, Engagement, and Cultural Competency with Tribal Nations”, July 26, 2017 (webinar- 104 attendees)
4. Alaska Collaborative on Health & the Environment Alaska Community Action on Toxics, “Exposure to Flame Retardant Chemicals and Social Behavioral Outcomes in Early Childhood”, April 25, 2017. (webinar – 66 attendees)
5. Salish Kootenai Tribal College, “How do we know arsenic in drinking water affects our health? The role of an environmental epidemiologist” Pablo, Mt. Dec 2, 2016.
6. Pediatric Environmental Health Specialty Unit Grand Rounds Webinar, “Old Poison, New Findings: Arsenic’s effect on maternal and child health. June, 29 2016.  
<http://www.pehsu.net/webinars.html>
7. University of Washington Seattle, “Examining the health effects of in utero and early life exposure to arsenic,” Environmental Health Seminar Series, Seattle, October 8, 2015.
8. Corvallis Science Pub “Old Poison, New Findings: A Public Health Perspective on Arsenic in Drinking Water” Old World Deli, Corvallis, OR. June 8, 2015.
9. Center for Global Health “Environmental Health Thematic Group” Oregon State University, Feb 14, 2015.
10. 12<sup>th</sup> Annual Western Regional International Health Conference, “Environmental Determinants of Health.” Eugene, OR. April 10-12, 2015.
11. Children’s Environmental Health Network “Children: Food and Environment”, February 4-6, 2015. Austin, Texas.

12. National Institute of Environmental Health Sciences - Health effects and mitigation of arsenic: Susceptibility to Arsenic Effects. Invited Panelist, Webinar. May 7, 2014.
13. Biomedical Sciences, College of Veterinary Medicine, "Environmental Exposure to Arsenic and Diabetes" OSU, Corvallis, OR. March 15, 2014
14. Nutrition Seminar, College of Public Health and Human Sciences, "Environmental Exposure to Arsenic and Diabetes" OSU, Corvallis, OR. March 4, 2014
15. Children's Environmental Health Research Matters Conference, "Arsenic Exposure during Pregnancy and Children's Health," University of Washington, Seattle. March 5, 2014
16. National Institute of Environmental Health Sciences - Health effects and mitigation of arsenic: current research efforts and future directions. Invited Panelist, "Effects of Prenatal Arsenic Exposure on DNA Methylation," Research Triangle Park. March 3, 2014.
17. OSU College of Public Health and Human Sciences "Fostering Interdisciplinary Research: Influence of arsenic on intestinal microbiota and immune function," Corvallis, OR. February 14, 2014.
18. Institute for Quantitative Biomedical Sciences "Prenatal arsenic exposure and DNA methylation." Dartmouth University, December 4, 2013
19. Interdisciplinary Center on Epigenetics, Science and Society. "Arsenic and DNA methylation" Oregon Health Sciences University, Portland, OR. October 2013
20. Environmental and Molecular Toxicology Seminar, "Environmental Exposure to Arsenic and Type 2 Diabetes" OSU, Corvallis, OR. April 23, 2013
21. Environmental Health Science Core Center Annual Meeting "Emerging Issues in Global Environmental Health" University of Washington, Seattle. April 19, 2013
22. Harney County Public Health Department, "Domestic Well Water And Your Health" Arsenic Awareness Program, Burns, OR. September 27, 2012.
23. Preventative Medicine Grand Rounds, "Arsenic and Public Health," Oregon Health Sciences University, Portland, OR. August 23, 2012.
24. Nutritional Program Seminar "Interactions between environmental pollutants and nutritional status on public health." OSU, Corvallis, OR. April 2012
25. Developmental Origins of Health and Disease Research Group, "Prenatal arsenic exposure and DNA methylation in four fetal tissues," Oregon Health Sciences University, Portland, OR. April 2012.
26. Harney County Public Health Department, "Domestic Well Water And Your Health" Arsenic Awareness Program, Burns, OR. March 21, 2012.

27. Environmental and Molecular Toxicology Research Day, "Examining the health effects of in utero and early life exposure to chemicals," OSU, Corvallis, OR. January 11, 2013.
28. 5th Annual NW Environmental Health, "Prenatal Arsenic Exposure and DNA Methylation in Fetal Tissues," Oregon Environmental Council, Portland, OR. March 5, 2013.
29. 28th Annual Oregon Epidemiologists Conference, Plenary Talk "Arsenic in drinking water in Bangladesh," Oregon Health Authority, Bend, OR. May 12, 2012.
30. International Health Club, "From cholera to cancer: case study in water, health and sanitation. Oregon State University, November 2011.
31. College of Public Health and Human Sciences, "Community-based study of prenatal arsenic exposure in Bangladesh." Corvallis, OR. February 2011.
32. Academic Pediatric Association, "Arsenic exposure and DNA methylation in a prospective birth cohort," Washington, DC. January 2010.
33. Boston University School of Public Health, "Community-based research of arsenic related health effects in Bangladesh." November 2010.
34. Kile, M., Norwich University, "Why me? Factors that influence susceptibility to arsenic exposure," VT. October 2009.
35. Kile, M. Massachusetts General Hospital Institute of Health Professionals. "Arsenic and human health." December 2008
36. Massachusetts Institute of Technology, "Arsenic in Bangladesh: A Public Health Perspective," MA. March 2006.

**C.3 GRANT AND CONTRACT SUPPORT** † *Indicates grant was applied for after appointment at OSU*

**Submitted – to be reviewed**

Grant #: NIEHS R21 ES031700 (co-PI: Grattan/Kile)  
 Period: 07/2020 – 06/2022  
 Total Amount: \$287,925  
 Title: Risk of domoic acid exposure in Oregon razor clam harvesters  
 Role: co-Principal Investigator

**Pending Research Support – Scores indicate likely funding**

Grant #: NIEHS R01 ES031669 (co-PI: Irvin/Kile)  
 Period: 04/2020 – 03/2024  
 Total Amount: \$1,470,000  
 Title: Effectiveness and scalability of a home health navigator program to reduce environmental hazards.

Role: co-Principal Investigator

Grant #: NIEHS P30  
Period: 06/2020 – 05/2025  
Total Amount: \$7,300,000  
Title: Pacific Northwest Environmental Health Research Translation Center  
Role: Director of Pilot Project Program, Center Principal Investigator (Robert Tanguay)

Grant #: NIEHS P42  
Period: 03/2020 – 02/2025  
Total Amount: \$6,900,000  
Title: PAHS: New Technologies and Emerging Health Risks  
Role: Director of Community Engagement Core, Center Principal Investigator (Robert Tanguay)

**Current Research Support**

Grant #: NIEHS R01  
Period: 09/01/2019 – 05/31/2024  
Total Amount: \$3,674,145  
Title: Children's flame retardant exposures measured by passive wristbands: Sex specific associations, social adversity, and socio-cognitive development  
Role: Co- Principal Investigator (with Shannon Lipscomb)

Grant #: OSU Seagrant  
Period: 4/1/2019 - 3/30/2020  
Total Amount: \$9,000  
Title: Risk perceptions of Domoic Acid among razor clam harvesters in Oregon  
Role: Principle Investigator

Grant #: NIEHS R01  
Period: 07/08/2014-07/06/2020 (in no cost extension year)  
Total Amount: \$1,509,200  
Title: Developmental exposure to arsenic and immune function in children  
Role: Principal Investigator<sup>#</sup>

Grant #: NIEHS/EPA P42 ES016465 (PI: Williams)  
Period: 04/01/2013 –03/31/2018  
*One year extension, 8/2019*  
Total Amount: \$658,000  
Title: Polycyclic aromatic hydrocarbon mixtures: New technology and Emerging Health Risks Core E: Community Engagement Core—Tribal-University Evaluation of Chemical Exposures to Improve Community Health  
Role: Principal Investigator<sup>#</sup>

**Completed Research Support**

Grant #: NIEHS K01 ES017800  
Period: 02/01/2010 – 01/31/2015

Total Amount: \$540,000  
Title: Epigenetic Effects of Prenatal Arsenic Exposure and Fetal Growth  
Role: Principal Investigator

Grant #: REACH Catalyst Grant  
Period: 08/01/2016 – 07/30/2017  
Title: Co-occurrence of Heavy Metal and Antibiotic Resistance in Microorganisms Due to Arsenic Contamination in Water Insecure Areas of Bangladesh  
Role: Co-investigator

Grant #: NIEHS R21  
Period: 09/01/2015-08/31/2017  
Total Amount: \$401,500  
Title: Diet and arsenic interactions in the development of diabetes  
Role: Co-Investigator (PI: Ho, Emily)‡

Grant #: NIEHS R13  
Period: 9/1/2017 - 8/30/2019  
Total Amount: \$10,000  
Title: 3<sup>rd</sup> Tribal Environmental Health Summit  
Role: Principal Investigator

Grant: Oregon State University Division of Health One Health Pilot Grant  
Period: 07/01/12 - 06/30/13  
Total Amount: \$45,000  
Title: Influence of arsenic on intestinal microbiota and immune function  
Role: Co- Principal Investigator‡

Grant #: OSU EHS Center Pilot Grant P30 ES000210 (Beckman)  
Period: 04/01/2012 – 03/31/2013  
Total Amount: \$25,000  
Title: Early childhood exposure to PBDEs and school readiness in children aged 3-5 years  
Role: Co-Principal Investigator‡

Grant: OSU/CPHHS Hallie Ford Center  
Period: 10/01/2012 – 09/30/2013  
Total Amount: \$7,000  
Title: Flame retardants and home environment on children's school readiness  
Role: Co-Principal Investigator‡

Grant: OSU EHS Center Pilot Grant P30 ES000210 (Beckman)  
Period: 01/31/2012 – 03/30/2012  
Total Amount: \$5,000  
Title: Environmental determinants of gains in school readiness for children aged 3-5  
Role: Co-Principal Investigator‡

Grant #: NIEHS/EPA P42 ES016454-01A2 (Wright)

Period: 04/01/10 – 03/31/14  
Total Amount: \$2,225,000  
Title: Superfund Metal Mixtures Biomarkers and Neurodevelopment. Project 1: Genetic epidemiology of neurodevelopmental metal toxicity.  
Role: Co-Investigator (PI: Christiani)

Grant: NIH/Clinical Research Loan Repayment Program  
Period: 07/30/11 – 06/30/2012  
Total Amount: \$25,000  
Title: Arsenic and Fetal Growth  
Role: Principal Investigator

Grant #: NIEHS/R01 ES015533  
Period: 06/01/2007 – 05/31/2012  
Total Amount: \$1,250,000  
Title: Arsenic Exposure and Birth Outcomes in Bangladesh  
Role: Co-investigator (PI: Christiani)

Grant: NIH/Clinical Research Loan Repayment Program  
Period: 07/01/2009 - 06/30/2011  
Total Amount: \$50,068  
Title: Gene-environment interactions influencing susceptibility to arsenic exposure  
Role: Principal Investigator

Grant: HSPH Dean's Gene-Environment Initiative  
Period: 07/01/2009 – 06/30/2010  
Total Amount: \$200,000  
Title: Arsenic Exposure, Epigenomic Biomarkers from Umbilical Veins and Fetal Growth  
Role: Principal Investigator

Grant: HSPH-NIEHS Center for Environmental Health (PI: Dockery)  
Period: 07/01/2008 – 06/30/2009  
Total Amount: \$20,000  
Title: Arsenic Exposure, Epigenomic Biomarkers from Umbilical Veins and Fetal Growth"  
Role: Principal Investigator

Grant: Harvard Education and Research Center (PI: Christiani)  
Period: 07/01/2008 – 06/30/2009  
Total Amount: \$20,000  
Title: Occupational exposure to metal-rich PM2.5 and DNA methylation  
Role: Principal Investigator

Grant #: NIEHS/R01 ES011622  
Period: 09/23/2002 – 07/31/2008  
Total Amount: \$1,250,000  
Title: Arsenic Exposure and Skin Diseases in Bangladesh  
Role: Co-investigator (PI: Christiani)

### **Grants that were applied for but not funded**

Grant #: NIEHS R01 A1  
Period: 08/2019 – 07/2024  
Total Amount: \$3,632,240  
Title: Be Well Study: Reducing exposure to environmental hazards by improving private well water stewardship  
Role: Co- Principal Investigator (with Veronica Irvin)  
*Notes: Application was not discussed on first submission. We revised and resubmitted, getting a score of 25 on A1. Plan to revise/resubmit for June 2019 NIH.*

Grant #: NIEHS R21- A1  
Period: 08/2019 – 07/2021  
Total Amount: \$401,500  
Title: Examining microbiota dependent and independent effects of arsenic on glucose metabolism  
Role: Principal Investigator (PI: Morgun, Andriy)  
*Notes: Application received score of 45 on first submission and a score of 45 on A1. Working with PIs to consider how to revise.*

Grant : Oregon SeaGrant  
Period: 07/2015 – 06/2017  
Total Amount: \$100,000 (not funded)  
Title: What to Eat When: Quantifying Seasonal and Species-Specific Risk of Dietary Exposure to Arsenic in Shellfish  
Role: Co-Investigator (PI: Henkel, Sara)‡

Grant #: NIEHS R01  
Period: 07/01/2015-06/30/2020  
Total Amount: \$3,244,270 (not funded)  
Title: First Air Study: Addressing Air Quality and Asthma in a Native American Community  
Role: Co-Investigator (PI: Harding, Anna)‡

Grant #: National Science Foundation  
Period: 09/01/14 – 08/30/19 (not funded)  
Title: IGERT in Humanitarian Engineering, Science and Technology  
Role: Co-Investigator/Faculty (PI: Sharp, Kendra)‡

Grant : Bill and Melinda Gates Foundation  
Period: 04/2013 – 03/2014  
Total Amount: \$100,000 (not funded)  
Title: Arsenic and immune function  
Role: Principal Investigator‡

Grant : SeaGrant  
Period: 07/2013 – 06/2015  
Total Amount: \$100,000 (not funded)

Title: Pharmaceuticals and Personal Care Products in Watersheds are an Emerging Environmental and Human Health Issue Triggered by Human Activities: Exploratory Study on The Role of Human Dimensions and Social Sciences in Prevention and Action  
Role: Co-Investigator<sup>#</sup>

Grant : NIOSH  
Period: 03/2013 – 04/2017  
Total Amount: \$1,250,000 (not funded)  
Title: A novel approach for measuring occupational asphalt fume exposure and toxicity  
Role: Co-Investigator<sup>#</sup>

## **D. SERVICE**

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### **D.1 SERVICE TO THE UNIVERSITY, COLLEGE AND SCHOOL**

#### *University*

- SeaGrant Maloof Scholarship Review Committee (2019)
- University Internationalization Strategies Council (2019 - )
- Public Health and Human Sciences Faculty Senator (2018)
- Speaker, Clean and Sustainable Water Technology Initiative Workshop speaker (2018)
- Mass Spectrometry Core Lab Performance Review, Research Office (2018)
- Grant Process and Service Improvement Initiative, Faculty Advisor Group (2015)
- Humanitarian Engineering Lecture Series “Voices from the Field”, organizer (2014)
- Biological Informatics and Genomics Cluster Hire, Faculty Search Member (2014 - 2017)
- Environmental Health Science Center, Member (2011 - )
- Risk Assessment 4 + 1 Degree Program, Committee Member (2014)
- Linus Pauling Translational Task Force, Member (2013 – 2014)
- Environmental Arts and Humanities Initiative, Affiliated Faculty (April 2013 - Present)
- Humanitarian Engineering Minor Development, Member (2013)
- Environmental Molecular Toxicology Faculty Search Committee, Member (2012 - 2013)
- Center for Genome Research and Biocomputing Spring Colloquium, Chair (2012 - 2013)
- OSU Institute for Water and Watersheds, Member (2012 – )
- Center for Genome Resources and Biocomputing, Member (2011 - )
- Center for Genome Resources and Biocomputing, Spring Colloquium Chair (2013)

#### *College*

- Curriculum Committee (April 2018 – May 2019)

- Faculty Workload & Research/Graduate Education Retreat, Member (July 10, 2012)
- Hallie Ford Center for Healthy Children and Families- Healthy Development in Early Childhood Research Core, Member (October 2011 - )
- Knudson Chair in Family Policy Search Committee, Member (2011 - 2012)
- Grant Writing Workshop for CPHHS Graduate Students, Invited Speaker. (May 29, 2013)
- MPH Integrated Curriculum Taskforce, Member (2013 - 2016)
- MPH Integrated Curriculum Subcommittee on Case Study Course, Chair (2014 - 2016)
- Public Health Curriculum Committee (2014 - 2015)
- Ad hoc committee member for H612 revision (2014 - 2015)
- Research Analyst 1 Search Committee, Chair (2014)
- EOH Program Coordinator (2014 - 2017)
- EOH Faculty Search Committee, Chair (2011; 2012-2013; 2014 - 2015)
- EOHS Program & Curriculum Development Retreat, Co-Chair (2014)
- EOHS Faculty Search Committee, Member (2011; 2016)

## **D.2 SERVICE TO THE PROFESSION**

### **PROFESSIONAL SOCIETY MEMBERSHIP AND LEADERSHIP EXPERIENCE**

3<sup>rd</sup> Tribal Environmental Health Summit, June 25-26, 2018

*Organized a national conference (N=128) whose goal was to bring together academics, governmental employees, students, and tribal employees to share information about Tribal environmental health.*

OSTLER TL1 pre-doctoral and post-doctoral application review board member, May 2018

Environmental & Occupational Health Track Coordinator, 2015 – 2017

*School of Biological and Population Health Sciences, Oregon State University*

National Institute of Environmental Health Science, 2015 - 2018

*Environmental Health Sciences Review Committee Member*

National Academy of Sciences, Engineering, and Medicine, 2017 – 2018

*Committee Member, Expert Panel. Veterans and Agent Orange, 11<sup>th</sup> Biennial Update.*

International Society for Environmental Epidemiology, 2005 - Present

*Co-Chairman for organizing 26<sup>th</sup> annual society meeting, Seattle, WA., 2014.*

*Scientific Committee: Track Chair for Metals, Seattle, WA., 2014.*

*Track Chair for Metals, São Paulo, Brazil, 2015.*

*Symposia Co-Chair: Prenatal Environment, Epigenetic Mechanisms and the Developmental Origins of Health and Disease, Basel, Switzerland, 2013.*

*Symposia Co-Chair: New Frontiers in Environmental Epigenetics- To Infinium and Beyond, Basel, Switzerland, 2013.*

*Executive Council Member, 2015 - Present*

Oregon Public Health Authority, 2011 - Present

*Session Chair: Dietary and Environmental Influences on Epigenetics and Disease Susceptibility Panel, 2012.*

Superfund Annual Research Grantee Conference, 2015

*Planning committee: Research Translation & Community Engagement Session*

International Society of Exposure Science, 2005 - Present

*National Institute of Health Grant Review Panel Experience*

- National Institute of Health Grant Review Panel Member, Community Influences on Health Behavior Study Section (CIHB) (2018 – present )
- Ad hoc Member of NIEHS Review Panel for PAR-13-104 NIH Summer Research Experience Program (R25), 2018.
- Ad hoc Member of NIEHS Review Panel for RFA-ES-16-004: Maintain and Enrich Resource Infrastructure for Existing Environmental Epidemiology Cohorts (R24), 2017
- Ad hoc Member of NIEHS Review Panel for RFA-ES-12-001: Children's Environmental Health and Disease Prevention Research Centers (P01), 2015.
- NIEHS, Environmental Health Sciences Review Committee Member (2015-2018)
- Ad hoc Member of NIH Review Panel for PAR-13-109: Mechanistic Insights from Birth Cohorts (R01), 2014.
- Ad hoc Member of NIEHS Review Panel for PA-14-047: Midcareer Investigator Award in Patient-Oriented Research (K24) and PA-14-049: Mentored Patient-Oriented Research Career Development Award (K23), 2014.
- Ad hoc Member of NIEHS Review Panel for RFA-ES-13-001: Superfund Hazardous Substance Research and Training Program (P42), 2013.
- Ad hoc Member of NIH Review Panel for PAR-10-030: Virtual Consortium for Translational/Transdisciplinary Environmental Research (ViCTER) (R01), 2013.
- Ad hoc Member of NIEHS Review Panel for RFA-ES-12-001: Children's Environmental Health and Disease Prevention Research Centers (P01), 2012.

*Editorial Service*

- Expert reviewer, Integrated Risk Information System (IRIS) Toxicological Review for Inorganic Arsenic (Synthesis of Skin Diseases) for the U.S. Environmental Protection Agency's (EPA's) National Center for Environmental Assessment (NCEA), 2015
- National Research Council, Committee Member to Review Critical Aspects of EPA's IRIS Assessment of Inorganic Arsenic: Interim Report. Washington DC, The National Academies Press, 2014.
- Editorial Review Board Member
  - Environmental Epigenetics, 2015 -
  - International Scholarly Research Notices, 2014 -
  - Journal of Environmental and Public Health, 2012 -
  - ISRN Biomarkers, 2012-2014
- Ad Hoc Peer Reviewer (review approximately 6-10 articles per year)
  - Applied Geochemistry
  - Biomarkers
  - BMC Public Health Research
  - Cancer Epidemiology, Biomarkers & Prevention
  - Environmental and Molecular Mutagenesis
  - Environmental Health
  - Environmental Health Perspectives
  - Epidemiology
  - International Journal of Environmental Research and Public Health
  - International Journal of Public Health
  - ISRN Biomarkers
  - Journal of the American Medical Association
  - Journal of Toxicology
  - PlosONE
  - Reproductive Toxicology
  - Science of the Total Environment

#### *Professional Societies*

- International Society for Environmental Epidemiology
  - ISEE Executive Council Member, 2015
  - Scientific Committee, Session chair, São Paulo, Brazil., 2015
  - Co-Chair for organizing 26th annual society meeting, Seattle, WA., 2014.
  - Scientific Committee: Track Chair for Metals, Seattle, WA., 2014.

- Symposia Co-Chair: Basel, Switzerland, 2013.
- International Society for Exposure Science
  - Member, 2003 – present
- Superfund Research Centers Annual Conference
  - Annual conference organizing committee, 2015

#### *Advisory Boards*

- Oregon Water Enhancement Board, appointed member (2018 – present)
- Environmental Quality Commissioner, Oregon Department of Environmental Quality
  - 1<sup>st</sup> term (05-03-2017-06-30-2019)
  - 2<sup>nd</sup> term (07-01-2019-06-30-2023)
- Native Environmental Health Research Network, Salish Kootenai College, External Advisory Committee Member (2015-2018).
- Advisory Committee Member, for “Training Program in Environmental Epidemiology” (T32 #5T32ES007069, PI: Christiani) 2016 - 2018

### **D.3 SERVICE TO THE PUBLIC**

- Corvallis Random Review Program Speaker, “What the Eye’s Don’t See”, Nov 2019.
- Harney County Watershed Council, Community-Based Water Planning Meeting, May 2018
- Growing Gardens Information on Lead and Urban Gardening, September 2016
- Oregon State University Talk for Water Speaker, May 2016
- Corvallis Science Pub Speaker, June 2015
- Provided interviews to several reporters and media outlets including Scholastic Parent & Child Magazine and Science Daily in support of our manuscript describing the association between gas stove ventilation and asthma in children.
- Provided scientific expertise to Associated Press, Good Housekeeping, Consumer Product Safety on media related to arsenic and human health
- Domestic Well Water Safety Workshop Organizer, Harney County Health Department, OR, Burns, OR. (2013 & 2014)

### **E. AWARDS AND HONORS**

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- Oregon State University College of Agricultural Sciences James and Mildred Oldfield/E.R. Jackman Team Award, 2015.
  - Department of Epidemiology Rising Star, Harvard School of Public Health, 2009.

- Harvard School of Public Health Great Place to Work Award for Course Development, 2007.
- NIEHS Environmental Epidemiology Postdoctoral Training Grant, 2006-2009.
- Rebecca James Baker Award, International Society for Environmental Epidemiology, 2006.
- Outstanding Platform, 1st Central and European Environmental Health Conference, 2004.
- NIEHS Superfund Basic Research Program Pre-Doctoral Training Grant, 2001-2006.