

**EMILY S. BARRETT, PHD**

**CONTACT INFORMATION:**

Department of Biostatistics and Epidemiology, Rutgers School of Public Health  
Environmental and Occupational Health Sciences Institute  
170 Frelinghuysen Rd  
Piscataway, NJ 08854

(848) 445-0197 (phone)  
(732) 445-0784 (fax)  
Emily.barrett@eohsi.rutgers.edu

**EDUCATION**

Postdoctoral Fellowship, Advisor: Neal Halfon, MD, MPH Center for Healthier Children, Families, and Communities University of California- Los Angeles, Los Angeles, CA	2007-2009
Postdoctoral Fellowship, Advisor: Calvin Hobel, MD Department of Obstetrics and Gynecology Cedars-Sinai Medical Center, Los Angeles, CA	2007
Doctor of Philosophy, Advisor: Peter Ellison, PhD Department of Biological Anthropology Harvard University, Cambridge, MA <i>Dissertation:</i> Determinants of reproductive function in Norwegian women Additional coursework in epidemiology at Harvard School of Public Health.	2006
Masters of Arts, Advisor: Peter Ellison, PhD Department of Biological Anthropology Harvard University, Cambridge, MA	2002
Bachelor of Arts, Advisor: Ethan Temeles, PhD Departments of Biology and English, <i>Magna cum laude</i> Amherst College, Amherst, MA	1998

**ACADEMIC APPOINTMENTS AND PROFESSIONAL EXPERIENCE**

Associate Professor (tenure awarded 2019), Rutgers University Department of Biostatistics and Epidemiology, School of Public Health (primary) Department of Anthropology, School of Graduate Studies (secondary) Environmental and Occupational Health Sciences Institute Faculty Center for Environmental Exposures and Disease Faculty	2016-present
Adjunct Associate Professor, University of Rochester Medical Center Department of Obstetrics and Gynecology (primary) Department of Public Health Sciences (secondary) Environmental Health Sciences Center Faculty	2016-present

Emily S. Barrett, PhD

Assistant Professor, University of Rochester Medical Center 2011-2016  
Department of Obstetrics and Gynecology (primary)  
Department of Public Health Sciences (secondary)

Research Assistant Professor, University of Rochester Medical Center 2009-2011  
Department of Obstetrics and Gynecology

Workshops and coursework at Rutgers  
OASIS Leadership and Professional Development Program 2019  
Rutgers Connection Network Peer Mentoring Program 2018-present  
Mentoring Biomedical PhD students 2018  
RBHS Women Leadership Symposium 2017  
Active Learning 101 2017

Workshops and coursework at University of Rochester  
Ever Better Mentoring 2015  
Multivariate Models for Epidemiology (audit) 2012  
Grant Writing 2011  
Advanced Epidemiologic Methods 2011  
Applied Linear Regression (audit) 2011  
Scientific Writing 2009

## PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

Society for Pediatric and Perinatal Epidemiologic Research 2018-present  
Organization for the Study of Sex Differences 2017-present  
Endocrine Society 2016-2017  
American Society for Reproductive Medicine 2014-2017  
Environment and Reproduction Special Interest Group  
European Society of Human Reproduction and Embryology 2015-2016  
International Society for Environmental Epidemiology 2012-2014

## HONORS, FELLOWSHIPS, AND AWARDS

Faculty convocation speaker, Rutgers School of Public Health 2019  
Semi-finalist, Pioneers Under 40 in Environmental Public Health, Collaborative on Health and the Environment 2017  
*Fertility and Sterility*, Star Reviewer (chosen by Associate Editors) 2016-2018  
*Fertility and Sterility*, Top 3 Reviewers of the Year 2015  
*Human Reproduction*, Best Reviewers (top 10%) 2015, 2017  
Bridging Interdisciplinary Research Careers in Women's Health (K12) Scholar 2011-2015  
Science Communications Fellow, Environmental Health Sciences 2009  
Post-doctoral Fellowship, Agency for Healthcare Quality and Research (T32) 2007-2009  
Eliot Fellowship, Harvard University Graduate School of Arts and Sciences 2005  
Doctoral Dissertation Improvement Grant, National Science Foundation 2004  
Spiegelman Fellowship, Center for Population and Development Studies, Harvard School of Public Health 2004  
Term-Time Fellowship, Harvard University Graduate School of Arts and Sciences 2004  
Advanced Studies Award, Department of Biological Anthropology, Harvard University 2004  
Early Training and Research Award, Department of Biological Anthropology, Harvard University 2003

Emily S. Barrett, PhD

Certificate in Distinction of Teaching, Derek Bok Center for Teaching and Learning, 2003-2005  
Harvard University

### **LEADERSHIP POSITIONS: LOCAL AND NATIONAL**

Steering Committee, Rutgers Child Health & Well-being Faculty interest group	2019-present
Communications and Outreach Committee, Society for Pediatric and Perinatal Epidemiologic Research	2019-present
Co-director, Human Exposures and Outcomes Core, Rutgers Center for Environmental Exposures and Disease	2017-present
Internal Advisory Board, Rutgers Center for Environmental Exposures and Disease	2017-present
Community Advisory Board member Rutgers Center for Environmental Exposures and Disease	2016-present
Associate Editor, <i>Human Reproduction</i>	2018-present
Editorial Board member, <i>Fertility and Sterility</i>	2015-present
Editorial Board member, <i>Hormones and Behavior</i>	2015-present
Guest Editor, <i>Hormones and Behavior</i> special issue on <i>Endocrine Disrupting Chemicals and Behavior</i>	2018
Co-director of Office of Research Administration Department of Obstetrics and Gynecology, URM	2011-2016
Community Advisory Board member Environmental Health Sciences Center, URM	2009-2016
Board of Directors, Healthy Baby Network (formerly Perinatal Network of Monroe County), Rochester, NY	2015-2016

### **SERVICE ACTIVITIES: LOCAL AND NATIONAL**

#### Grant reviews: National / International

NIH Special Emphasis Panel (Building Interdisciplinary Research Careers in Women's Health [BIRCWH]; ZRG EMNR-A)	2019
NIH Special Emphasis Panel (Chronic Diseases and Epidemiology; ZRG1 PSE-E)	2019
NIH Special Emphasis Panel/Scientific Review Group (P42 Superfund; ZES1 JAB-D)	2019
NIH Special Emphasis Panel/Scientific Review Group (U.S.-China Program for Biomedical Collaborative Research; ZRG1 OBT-B)	2019
NIH Study Section Neurological, Aging and Musculoskeletal Epidemiology [NAME] (ad hoc)	2019
NIH Study Section Infectious Disease, Reproductive Health, and Asthma/Pulmonary Conditions [IRAP] (ad hoc)	2018
NIH Special Emphasis Panel/Scientific Review Group (U54 Specialized Centers of Research Excellence (SCORE) on Sex Differences; ZRG1 EMNR A)	2018, 2019
NIH Special Emphasis Panel/Scientific Review Group (Pathway to Independence Award (K99/R00) ZES1 LKB-D)	2018
NIH Special Emphasis Panel/Scientific Review Group (Maintenance of Environmental Epidemiology Cohorts; ZES1 LKB-K)	2017
Canadian Institutes of Health Research	2018
Israel Science Foundation	2016
Medical Research Council, UK	2015
National Science Foundation, Biological Anthropology Program	2014

#### Grant reviews: Local / regional

Rutgers University, Busch Biomedical Grants 2017  
Mae Stone Goode Foundation 2015  
Interim Funding Requests, University of Rochester 2014

Scientific Meetings/Workshops

Invited Panelist, Multidisciplinary K12 Urologic Research (KURe) 2018  
Career Development Research Meeting (Duke University)  
Scientific advisory committee, New York City Epidemiology Forum (NYCEF) 2018  
Poster session judge, New York City Epidemiology Forum (NYCEF) 2018  
Poster session judge, Society for Pediatric and Perinatal Epidemiological Research 2018, 2019  
Symposium organizer, Organization for the Study of Sex Differences 2017  
Co-organizer of weekly Research Workshop, 2011-2016  
Department of Obstetrics and Gynecology, URM  
Co-organizer, AGD training workshop 2015  
Co-organizer, Researching Women's Environmental Health workshop (URMC) 2009-2010

Other- National/International

External Peer Reviewer, ATSDR profile "Di(2-ethylhexyl) phthalate" 2018

Rutgers University

Search committee, Associate Dean for Research, School of Public Health 2019-present  
Faculty mentoring workgroup, School of Public Health 2019-present  
RWJ Barnabas 100 PI program Faculty Search Committee 2019  
Biostatistics and Epidemiology Recruitment Committee 2018  
Epidemiology PhD Admissions Committee 2017-present  
Rutgers Maternal-Child Health working group 2017-present  
Rutgers Placental working group 2017-present  
Search committee, Environmental and Occupational Health Sciences Institute Director, Rutgers University 2017

University of Rochester

Judge, Resident research day 2016, 2019  
Department Reviewer for Research Subjects Review Board, 2009-2016  
Department of Obstetrics and Gynecology, University of Rochester  
Authored *Perifacts* articles:  
"Cultural attitudes towards childbirth" 2015  
"Environmental exposures and their effects on reproductive health" 2017

**Ad hoc manuscript reviewer:**

Advances in Medical Sciences; American Journal of Physical Anthropology; Andrologia; BMC Public Health Research; Breastfeeding Medicine; Chemosphere; Development and Psychopathology; Early Human Development; Endocrine Connections; Endocrine Disruptors; Endocrinology; Environmental Epigenetics; Environmental Health Perspectives; Environment International; Environmental Pollution; Environmental Research; Environmental Science and Pollution Research; Epidemiology; Evolution, Medicine, and Public Health; Human Reproduction; International Journal of Environmental Research and Public Health; International Journal of Hygiene and Environmental Health; Journal of Clinical Endocrinology and Metabolism; Journal of the Developmental Origins of Health and Disease; Journal of Exposure Science and Environmental Epidemiology; Maternal Child Health Journal; Neurotoxicology; Neurotoxicology and Teratology; Neurourology and Urodynamics; Pediatric and Perinatal Epidemiology; PLoS One; Science of the Total Environment; Toxics

## TEACHING

### TEACHING: COURSES

Instructor, Reproductive and Perinatal Epidemiology Graduate Course, Rutgers School of Public Health	2018-present
Instructor, Medical Ecology Public Health Sciences Graduate Course, URM	2016
Instructor, Endocrine disruptors and human health Undergraduate independent study, URM	2013-2014
Instructor, Sophomore Tutorial Department of Biological Anthropology, Harvard University	2005
Graduate Teaching Fellow, The Behavioral Biology of Women Department of Biological Anthropology, Harvard University	2004
Assistant Head Graduate Teaching Fellow, The Evolution of Human Nature Department of Biological Anthropology, Harvard University	2003
Graduate Teaching Fellow, Endocrinology and Behavior Research Seminar Department of Biological Anthropology, Harvard University	2003
Instructor of Biology Hotchkiss School, Lakeville, CT	1998-2000
Instructor of Biology (MS) <sup>2</sup> Summer Program; Phillips Andover Academy, Andover, MA	1998-1999

### TEACHING: LECTURES, MENTORING, AND OTHER ACTIVITIES

#### *Rutgers University*

PhD thesis committees Melody Wren, Exposure Science Elizabeth Szamreta, Epidemiology	2017-present 2017-2018
Mentorship of MPH student research projects Ashley Grenger Ariana Nunez Jennifer Ngandu Anchal Sood Amerasinghage Fonseka, MD Maheswari Mariappan, MD Sukrita Sheshu, MD	2019-present 2018-present 2018-present 2018-present 2017-2018 2017-2018 2017-2018
Guest lecturer Ernest Mario School of Pharmacy SURF program	2019

Emily S. Barrett, PhD

PHocus Summer Experience (high school)	2018, 2019
Biology of the First 1,000 Days (Rutgers SEBS)	2018
Hormonally-active pollutants (Princeton University)	2018-2019
Environmental and Occupational Epidemiology	2017-2019
Reproductive Toxicology (Rutgers SEBS)	2017
Training grant mentor	
Joint graduate program in Exposure Science (NIEHS T32)	2017-present
Joint graduate program in Toxicology (NIEHS T32)	2017-present
Doctoral research reviewer	2019
Kelly Tiderencel (School of Health Professions, Clinical Nutrition program)	

### ***University of Rochester***

PhD thesis committees	
Chongshu Chen, Biostatistics and Computational Biology	2016-2017
Jose Perez-Ramos, Translational Biomedical Science	2016-present
Mentorship of Resident and MPH student research projects	2011-present
Elizabeth Fountaine, MD	
Chelsea Gill, MPH	
Sarah Caveglia, MPH	
Ethan Gable, MD	
Snigdha Alur, MD	
Divya Kumar, MPH	
Alexis Pilato, MD	
Preceptor, 3 <sup>rd</sup> year medical student debates	2014-2016
“Are endocrine-disrupting chemicals causing earlier menarche in girls?”	
“Does <i>in utero</i> health really predict adult health?”	
Guest lecturer:	
Environmental and Occupational Epidemiology	2011-present
Highest rated guest lecturer, 2015	
Environmental Health	
Neurotoxicology	
Training grant mentor	
Training in Environmental Health Biostatistics (NIEHS T32)	2015-present

### ***Other***

External thesis reviewer:	
Pamela Barrios, Rutgers University, SEBS	2018
Rodrigo Romao, MSc, Dalhousie University, Canada (MPH)	2018

## **RESEARCH SUPPORT**

## **CURRENT**

Emily S. Barrett, PhD

Source: NIH, NICHD, R01HD083369

Title: Understanding Pregnancy Signals and Infant Development (UPSIDE)

Dates: 2015-2020

Role: PI

Source: NIH, NINR, R01NR17602

Title: Longitudinal changes in weight and biology in the pregnancy-postpartum period and subsequent cardiometabolic risk.

Dates: 2018-2023

Role: mPI (contact PI: Sue Groth, PhD, WHNP-BC)

Source: NIH, NIEHS, R01ES029275

Title: Placental responses to environmental chemicals

Dates: 2018-2023

Role: mPI (contact PI: Lauren Aleksunes, PhD)

Source: NIH, NIEHS, R01ES029275-02S1

Dates: 2019-2021

Title: Placental responses to environmental chemicals- Diversity Supplement for Dr. Zorimar Rivera-Nunez

Role: mPI and lead mentor (contact PI: Lauren Aleksunes, PhD)

Source: NIH, NIEHS, 2R01ES016863

Title: Competing renewal: The Infant Development and the Environment Study (TIDES)

Dates: 2015-2020

Role: Sub-award PI and Center Director (PI: Shanna Swan, PhD)

Source: NIH, NIEHS, R01ES029336

Title: Placental origins of phthalate-induced changes in fetal reproductive development

Dates: 2018-2023

Role: Sub-award PI and co-Investigator (PI: Jennifer Adibi, PhD)

Source: NIH, UH3OD023349

Title: Pre- and Postnatal Exposure Periods for Child Health: Common Risks and Shared Mechanisms

Dates: 2018-2023

Role: Sub-award PI and co-Investigator (PI: Thomas O'Connor, PhD)

Source: NIH, UH3OD023271

Title: Prenatal And Early Childhood Pathways To Health (PATHWAYS): An Integrated Model of Chemical and Social Exposures, Mechanisms, and Sex-specific Effects on Neurodevelopment and Respiratory Outcomes

Dates: 2018-2023

Role: Sub-award PI and co-Investigator (PI: Catherine Karr, MD, MS)

Source: NIH, UH3OD023305

Title: YU-Erasmus ECHO Pediatric Obesity, Metabolism and Kidney Cohort Center

Dates: 2018-2023

Role: Consultant (PI: Leonardo Trasande, MD, MPP)

Emily S. Barrett, PhD

Source: NIH-funded Rutgers Center for Environmental Exposures and Disease (P30 ES005022)  
Pilot Grant

Title: Chemical exposures in personal care products

Dates: 2019-2019

Role: PI (with Adana Llanos Wilson, PhD)

Source: NIH-funded Rutgers Center for Environmental Exposures and Disease (P30 ES005022)  
Career Development Award

Title: Rutgers extension of The Infant Development and the Environment Study (TIDES)

Dates: 2017-2019

Role: PI

Source: NIH-funded Rutgers Center for Environmental Exposures and Disease (P30 ES005022)  
Pilot Grant

Title: Prenatal exposure to mycoestrogens: feasibility of establishing a diverse New Jersey pregnancy cohort

Dates: 2018-2019

Role: PI

Source: Rutgers Global Health Institute

Title: Developing Valid and Reliable Dietary and Physical Activity Assessments for a Birth Cohort Study in Kathmandu, Nepal.

Dates: 2018-2020

Role: Co-Investigator (PI: Shristi Rawal, PhD)

Source: Rutgers Dean's Intramural Grants Program

Title: Taste Changes during Pregnancy and Gestational Weight Gain

Dates: 2018-2020

Role: Co-Investigator (PI: Shristi Rawal, PhD)

## **INVOLVEMENT IN CAREER DEVELOPMENT AWARDS**

Source: NIH, NIEHS, R01ES029275-02S1

Dates: 2019-2021

Title: Placental responses to environmental chemicals- Diversity Supplement for Dr. Zorimar Rivera-Nunez

Role: mPI and lead mentor (contact PI: Lauren Aleksunes, PhD)

Source: NIH, NINR, K23NR019014

Dates: 2019-2022

Title: Delineation of the biopsychosocial risks of obesogenic eating behaviors

Role: Mentor (PI/mentee: Ying Meng, PhD, RN)

## **PAST**

Source: NIH, UG3OD023349

Title: Pre- and Postnatal Exposure Periods for Child Health: Common Risks and Shared Mechanisms

Dates: 2016-2018

Role: co-Investigator (PI: Thomas O'Connor, PhD)



Emily S. Barrett, PhD

Source: NIH, UG3OD023271

Title: Prenatal And Early Childhood Pathways To Health (PATHWAYS): An Integrated Model of Chemical and Social Exposures, Mechanisms, and Sex-specific Effects on Neurodevelopment and Respiratory Outcomes

Dates: 2016-2018

Role: Sub-award PI and co-Investigator (PI: Catherine Karr, MD, MS)

Source: NIH, UG3OD023305

Title: YU-Erasmus ECHO Pediatric Obesity, Metabolism and Kidney Cohort Center

Dates: 2016-2018

Role: Sub-award PI and co-Investigator (PI: Leonardo Trasande, MD, MPP)

Source: NIH-funded URM Environmental Health Sciences Center Integrated Health Sciences Facility Core Mini-Grant

Title: Dietary Assessments in a Pregnancy Cohort

Dates: 2015-2018

Role: PI

Source: Mae Stone Goode Foundation

Title: Prenatal Androgens and PCOS

Dates: 2012-2018

Role: PI

Source: Mae Stone Goode Foundation

Title: Environmental Chemicals, Hormones, and the Ovary (ECHO) Supplement

Dates: 2015-2018

Role: PI

Source: NIH, NIEHS, NICHD, ORWH 1K12ES019852 – 01

Title: Women's Health and the Environment over the Entire Lifespan (WHEEL)- BIRCW K12

Dates: 2011-2015

Role: Scholar

Source: NIH-funded URM Environmental Health Sciences Center Pilot Grant

Title: Environmental Chemicals, Hormones, and the Ovary (ECHO)

Dates: 2013-2015

Role: PI

Source: NIH-funded URM Environmental Health Sciences Center Integrated Health Sciences Facility Core Mini-Grant

Title: Autism and inflammation: towards a translational animal model

Dates: 2014-2015

Role: co-PI

Source: NIH-funded URM Environmental Health Sciences Center Integrated Health Sciences Facility Core Mini-Grant

Title: "Toxico-anthropology": Characterizing exposure to environmental chemicals in non-Western populations.

Dates: 2013-2015

Role: PI

Emily S. Barrett, PhD

Source: NIH, NIEHS R01 ES01 6863-04

Title: The Infant Development and the Environmental Study (TIDES)

Dates: 2009-2014

Role: Study Director from 2009-2010; URM Center Director from 2011-2014 (PI: Shanna Swan, PhD)

Source: NIH-funded URM Environmental Health Sciences Center Integrated Health Sciences Facility Core Mini-Grant

Title: Does a brief dietary intervention lower phthalate metabolite concentrations in pregnant women?

Dates: 2012-2014

Role: Co-PI

Source: NIH, NICHD, NIDDK HHSF275200800031C

Title: New York / New Jersey National Children's Study, Monroe County Location

Dates: 2009- 2012

Role: Investigator (PI: Shanna Swan, PhD; Phil Landrigan, MD)

Source: NIEHS/NICHD 1R13ES017589-01

Title: Researching Women's Environmental Health workshop

Dates: 2010-2011

Role: Investigator (PI: Shanna Swan, PhD)

Source: NIH, NICHD, NIDDK HHSN267200700017C

Title: National Children's Study-Los Angeles-Ventura Study Center

Dates: 2007-2009

Role: Study Location Coordinator (PI: Neal Halfon, MD, MPH; Calvin Hobel, MD)

## PEER-REVIEWED PUBLICATIONS

Ferguson, KK, Rosen, E, Barrett, E, Nguyen, R, Bush, N, McElrath, T, Swan, S, Sathyanarayana, S (2019) Joint impact of phthalate exposure and stressful life events in pregnancy on preterm birth. *Environment International*. *In press*.

Padula, AM, Monk, C, Brennan, PA, Borders, A, Barrett, ES, McEvoy, C, Foss, S, Desai, P, Alshawbkeh, A, Wurth, R, Salafia, C, Fichorova, R, Varshavsky, J, Kess, A, Woodruff, TJ, Morello-Frosch (2019) Maternal prenatal exposures to environmental chemicals and psychosocial stressors in the ECHO Program - implications for research on perinatal outcomes. *Journal of Perinatology*. *In press*.

Arbuckle, TE, MacPherson, S, Barrett, E, Muckle, G, Seguin, JR, Foster, WG, Sathyanarayana, S, Dodds, L, Fisher, M, Agarwal, A, Monnier, P, Walker, M, Fraser, WD (2019) Do stressful life events during pregnancy modify associations between phthalates and anogenital distance in newborns? *Environmental Research*. 177:108593.

Szamreta, EA, Qin, B, Rivera-Nunez, Z, Parekh, N, Barrett, ES, Ferrante, J, Lin, Y, Bandera, EV (2019) Greater adherence to a Mediterranean-like diet is associated with later pubertal development in peripubertal girls. *Public Health Nutrition*. *In press*.

Barrett, ES, Mbowe, O, Thurston, SW, Wang, C, Nguyen, RHN, Bush, N, Redmon, JB, Sheshu, S, Swan, SH, Sathyanarayana (2019) Predictors of steroid hormone concentrations in

early pregnancy: results from a multi-center cohort. *Maternal Child Health Journal*. 23(3): 397-407.

Rivera-Nunez, Z, Barrett, ES, Szamreta, EA, Shapses, SA, Qin, B, Lin, Y, Zarbl, H, Buckley, B, Bandera, EV (2019) Urinary mycoestrogens and age and height at menarche in New Jersey Girls. *Environmental Health*. 18(1): 24.

van't Erve, T, Rosen, E, Barrett, E, Nguyen, R, Sathyanarayana, S, Milne, G, Calafat, AM, Swan, SH, Ferguson, K (2019) Phthalates and phthalate alternatives have diverse associations with oxidative stress and inflammation in pregnant women. *Environmental Science & Technology*. 53(6): 3258-3267.

Shaffer, RM, Ferguson, KK, Sheppard, L, James-Todd, T, Butts, S, Chandrasekaran, S, Swan, SH, Barrett, ES, Nguyen, R, Bush, N, McElrath, TF, Sathyanarayana, S, and the TIDES Study Team (2019) Maternal urinary phthalate metabolites in relation to gestational diabetes and glucose intolerance during pregnancy. *Environment International*. 123: 588-596.

Bornehag, CG, Lindh, C, Reichenberg, A, Wikstrom, S, Hallerback, MU, Evans, SF, Sathyanarayana, S, Barrett, ES, Nguyen, RHN, Bush, NR, Swan, SH (2018) Prenatal phthalate exposure and language delay in early childhood in two pregnancy cohorts, SELMA and TIDES. *JAMA Pediatrics*. 172(12):1169-1176.

Rosen, E, van 't Erve, T, Boss, J, Sathyanarayana, S, Barrett, ES, Nguyen, RHN, Bush, NR, Milne, G, McElrath, T, Swan, S, Ferguson, K. (2018) Urinary oxidative stress biomarkers and accelerated time to spontaneous delivery. *Free Radical Biology and Medicine*. 130: 419-425.

Barrett, ES, Vitek, W, Mbowe, O, Thurston, SW, Legro, RS, Alvero, R, Baker, V, Bates, GW, Casson, P, Coutifaris, C, Eisenberg, E, Hansen, K, Krawetz, S, Robinson, R, Rosen, M, Usadi, R, Zhang, H, Santoro, N, Diamond, M (2018) Allostatic load, a measure of chronic physiological stress, is associated with pregnancy outcomes, but not fertility, among women with unexplained infertility. *Human Reproduction*. 33(9): 1757-1766.

Eick, SM, Barrett, ES, van't Erve, TJ, Nguyen, RHN, Bush, NR, Milne, G, Swan, SH, Ferguson, KK (2018) Association between prenatal psychological stress and oxidative stress during pregnancy. *Paediatric and Perinatal Epidemiology*. 32(2): 318-326.

Del Giudice, M, Barrett, ES, Belsky, J, Hartman, S, Martel, MM, Sangenstedt, S, Kuzawa, C (2018) Individual differences in developmental plasticity: a role for early androgens? *Psychoneuroendocrinology*. 90:165-173.

Luthra, G, Vuckovic, I, Bangdiwala, A, Gray, H, Redmon, JB, Barrett, ES, Sathyanarayana, S, Nguyen, RHN, Swan, SH, Zhang, S, Dzeja, P, Macura, SI, Nair, KS (2018) First and second trimester urinary metabolic profiles and fetal growth restriction: an exploratory nested case-control study within The Infant Development and Environment Study. *BMC Pregnancy Childbirth*. 18(1):48.

Barrett, ES, Hoeger, K, Sathyanarayana, S, Abbott, DH, Redmon, JB, Nguyen, RHN, Swan, SH. (2018) Anogenital distance in newborn daughters of women with polycystic ovary

syndrome indicates fetal testosterone exposure. *Journal of Developmental Origins of Health and Disease*. 9:1-8.

Barrett, ES, Sathyanarayana, S, Mbowe, O, Thurston, S, Redmon, JB, Nguyen, R, Swan, SH. (2017) First trimester urinary Bisphenol A concentration and anogenital distance, an androgen-sensitive measure of reproductive development, in infant girls. *Environmental Health Perspectives*. 125(7):0777008.

Sobolewski, M, Weiss, B, Martin, M, Gurven, M, Barrett, E. (2017) Toxicanthropology: phthalate exposure in relation to market access in a remote forager-horticulturalist population. *International Journal of Hygiene and Environmental Health*. 220(5): 799-809.

Sathyanarayana, S, Butts, S, Wang, C, Barrett, ES, Nguyen, RHN, Schwartz, SM, Haaland, W, Swan, SH, and the TIDES Study Team (2017) Early pregnancy phthalate exposure, sex steroid hormones, and newborn reproductive outcomes. *Journal of Clinical Endocrinology and Metabolism*. 102(6): 1870-1878.

Alur, S, Barrett, E, Li, D, Hoeger, K, Dye, T. (2016) Disparities in birth outcomes between Caucasian and African American women who conceived using ART. *Clinical Obstetrics, Gynecology and Reproductive Medicine*. 2(1): 133-136.

Sathyanarayana, S, Barrett, ES, Nguyen, RH, Redmon, JB, Haaland, W, Swan, S, and the TIDES Study Team. (2016) First trimester phthalate exposure and infant birth weight in The Infant Development and Environment Study. *International Journal of Environmental and Public Health Research* 13(10)pii: E945.

Sathyanarayana, S, Grady, R, Barrett, ES, Janssen, S, Redmon, JB, Nguyen, RHN, Swan, SH, and the TIDES Study Team. (2016) First trimester phthalate exposure and newborn male genital anomalies. *Environmental Research* 151:777-782

Fjeldheim, FN, Frydenberg, H, Flote, VG, McTiernan, A, Furberg, AS, Ellison, PT, Barrett, ES, Wilsgaard, T, Jasienska, G, Ursin, G, Wist, EA, Thune, I. (2016) Polymorphisms in the estrogen receptor alpha gene (ESR1), daily cycling estrogen and mammographic density phenotypes. *BMC Cancer* 16(1):776.

Martino-Andrade, AJ, Liu, F, Sathyanarayana, S, Barrett, ES, Nguyen, RHN, Redmon, JB, Levine, H, Swan, SH, and the TIDES Study Team (2016). Timing of prenatal phthalate exposure in relation to genital endpoints in male newborns. *Andrology*. 4(4): 585-593.

Barrett, ES, Parlett, LE, Sathyanarayana, S, Nguyen, R, Redmon, B, Janssen, S, Swan, S. (2016) Prenatal stress as a modifier of associations between phthalate exposure and reproductive development: results from a multicenter pregnancy cohort study. *Paediatric and Perinatal Epidemiology*. 30(2)105-114.

Frydenberg, H, Flote, VG, Fjeldheim, FN, Larsson, IM, Barrett, ES, Furberg, A-S, Ursin, G, Wilsgaard, T, Ellison, PT, McTiernan, A, Hjartaker, A, Thune, I. (2015) Alcohol consumption, endogenous estrogen, and mammographic density among premenopausal women. *Breast Cancer Research* 17:103.

Barrett, ES and Swan, SH. (2015) The androgenic action of stress during fetal development. *Endocrinology*. 156(10): 3435-41.

- Alur, S, Hoeger, K, Wang, H, Swan, S, Barrett, ES. (2015) Infertile women who conceived using assisted reproductive technology (ART) have lower urinary phthalate metabolite concentrations than infertile women who conceived spontaneously. *Fertility and Sterility*. 104(5): 1227-35.
- Adibi, JJ, Lee, MK, Naimi, AI, Barrett, ES, Nguyen, RH, Sathyanarayana, S, Janssen, S, Thiet, M-P, Baskin, L, Redmon, JB, Swan, SH. (2015) First trimester human chorionic gonadotropin levels partially mediate the association of phthalates with the anogenital distance of neonates. *Journal of Clinical Endocrinology and Metabolism*. 100(9): E1216-24.
- Sathyanarayana, S, Grady, R, Redmon, JB, Ivicsek, K, Barrett, E, Janssen, S, Nguyen, R, Swan, SH. (2015) Anogenital distance and penile width measurements in The Infant Development and the Environment Study (TIDES): Methods and Predictors. *Journal of Pediatric Urology* 11(2): 76. E 1-6.
- Barrett, ES, Chen, C, Thurston, SW, Fjeldheim, FN, Furberg, AS, Frydenberg, H, Haug, LS, Lipson, SF, Ellison, PT, Thune, I. (2015) Exposure to perfluorooctane sulfonate (PFOS) is associated with lower estradiol and progesterone concentrations in healthy, cycling women. *Fertility and Sterility*. 103(5): 1261-70.
- Barrett, ES, Velez, M, Qiu, X, Chen, SR. (2015) Reducing prenatal phthalate exposure through maternal dietary changes: results from a pilot study. *Maternal Child Health Journal*. 19: 1936-1942.
- Barrett, ES, Tran, V, Thurston, SW, Frydenberg, H, Lipson, SF, Thune, I, Ellison, PT. (2015) Women who are married or living as married have higher salivary estradiol and progesterone than unmarried women. *American Journal of Human Biology*. 27(4):501-7.
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- O'Connor, TG, Barrett, ES (2014) Mechanisms of Prenatal Programming: Identifying and Distinguishing the Impact of Steroid Hormones. *Frontiers in Pediatric Endocrinology*. 5:52.
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Emily S. Barrett, PhD

Kobrosly, RW, Parlett, LE, Stahlhut, RW, Barrett, ES, Swan, SH (2012) Socioeconomic factors and phthalate metabolite concentrations among United States women of reproductive age. *Environmental Research* 115: 11-17.

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Finstad, S, Emaus, A, Potischman, N, Barrett, E, Furberg, AS, Ellison, P, Jasienska, G, Thune, I (2008) Birth weight and adult body composition influence 17 beta-estradiol levels in young women. *Cancer Causes and Control*. 20(2): 233-242.

Halfon, N, DuPlessis, H, Barrett, E (2008) Looking back at pediatrics to move forward in obstetrics. *Current Opinions in Obstetrics and Gynaecology*. 20(6): 566-73.

Hobel, CJ, Goldstein, A, Barrett, ES (2008) Psychosocial stress and pregnancy outcome. *Clinical obstetrics and Gynecology*. 51(2): 333-48.

McIntyre, MH, Barrett, ES, McDermott, R, Johnson, DDP, Cowden, J, Rosen, SP (2007) Finger length ratio (2D:4D) and sex differences in aggression during a simulated war game. *Personality and Individual Differences* 42: 755-64.

Johnson, DDP, McDermott, R, Barrett, ES, Cowden, J, Wrangham, R, McIntyre, MH, Rosen, SP (2006) Overconfidence in wargames: experimental evidence on expectations, aggression, gender, and testosterone. *Proceedings of the Royal Society of London, Series B: Biological Sciences* 273(1600): 2513-20.

Gray, PB, Kahlenberg, SM, Barrett, ES, Lipson, SF, Ellison, PT (2002) Marriage and fatherhood are associated with lower testosterone in males. *Evolution and Human Behavior* 23(3): 193-201.

## **NON-PEER REVIEWED PUBLICATIONS**

Barrett, ES and Vitek, W (2019) Trying to conceive? Track your cycle, any method will do. Invited commentary. *In press at Fertility and Sterility*.

Barrett, ES and Patisaul, H. (2018) Introduction to the special issue on endocrine disrupting chemicals and behavior. *Hormones and Behavior*. 101: 1-2.

Barrett, ES and Patisaul, H. (2017) Endocrine disrupting chemicals and behavior: re-evaluating the science at a critical turning point. *Hormones and Behavior*. 96:A1-A6.

## **BOOK CHAPTERS**

O'Connor, TG, Barrett, ES, Sefair, AV (2018) Can Prenatal Maternal Distress Predict Child Cerebral Laterality? Recent Findings and Implications for the Geschwind-Galaburda Hypothesis. In: *Dyslexia and Neuroscience: The Geschwind-Galaburda Hypothesis 30 Years Later*. Galaburda, A, Gaab, N, Hoefl, F, McCardle, P (eds.) Baltimore: Paul H. Brookes Publishing Co.

Barrett, ES, Sefair, AV, O'Connor, T (2017) Prenatal Maternal Stress in Context: Maternal Stress Physiology, Immunology, Neuroendocrinology, Nutrition and Infant Development. In: *Diet, Nutrition, and Fetal Programming: from Womb to Adulthood*. Patel, VB, Preedy, VR, and Rajendram, R (eds.) London: Springer.

Halfon, N, Barrett, E, Kuo, A (2010) Translations from Human Development to Public Policy. In: *Formative Experiences: The Interaction of Caregiving, Culture, and Developmental Psychobiology*. Worthman, C and Cummings, C (eds.) New York, NY: Cambridge University Press.

Ellison, PT, Barrett, ES (2004) Life history perspectives on human disease. In: *The Changing Face of Disease*. Mascie-Taylor, CGN, Peters, J, & McGarvey, S (eds.) London: Taylor & Francis.

**SCIENCE COMMUNICATION FELLOWS REVIEWS (2009-2011):** Each year, Environmental Health Sciences selects 10 Science Communications fellows nationwide. The fellowship prepares environmental health scientists to better translate and communicate scientific findings to the media and public. During this program I authored the following scientific reviews which are all available at:  
<http://www.environmentalhealthnews.org/ehs/newscience>

1. *A little known "super-phthalate" packs a big punch to males, a rat study finds.* Dr. Emily Barrett and Wendy Hessler; Feb. 17, 2011.
2. *Newly identified chemicals leach into food packages, pose regulatory challenge.* Dr. Emily Barrett; Feb. 7, 2011.
3. *A widely-used phthalate no so different from banned cousins, rat study finds.* Dr. Emily Barrett and Wendy Hessler; Jan. 19, 2011.
4. *Wind whisks lead across the Pacific Ocean to California.* Dr. Emily Barrett and Wendy Hessler; Nov. 18, 2010.
5. *Fitness benefits tempered by pool cleaning chemicals?* Dr. Emily Barrett; Nov. 9, 2010.
6. *Measuring exposure to phthalates not a simple task.* Dr. Emily Barrett; Nov. 3, 2010.
7. *BPA in cash register receipts is easily transferred to skin.* Dr. Emily Barrett; Nov 2, 2010.
8. *Pesticides taint one-fifth of kids' food.* Dr. Emily Barrett; Oct. 21, 2010.
9. *Diabetes linked to traffic air pollution; risk increases with inflammation.* Dr. Emily Barrett; Jul 15, 2010.
10. *Mice moms, sons end up diabetic after short BPA exposure during pregnancy.* Dr. Emily Barrett and Wendy Hessler; Jul 1, 2010.
11. *Phthalates impair female reproduction, too, finds fish study.* Dr. Emily Barrett; Jun 28, 2010.
12. *BPA-exposed rats develop polycystic ovarian syndrome.* Dr. Emily Barrett; Jun 15, 2010.
13. *Phthalate, antibiotic levels plummet after five-day vegetarian diet.* Dr. Emily Barrett; May 11, 2010.
14. *Dioxin exposure linked to infertility, difficulty conceiving.* Dr. Emily Barrett; Apr 9, 2010.
15. *Delays seen in children exposed to pesticides before birth.* Dr. Emily Barrett; Apr 6, 2010.

## PRESENTATIONS

Marshall, E, Black, T, Black, K, Zavotsky, K, Pagani, C, Barrett, E, Fiedler, N, and Graber, J. Evaluating occupational safety, working conditions, and stress concerns within a diverse population



Emily S. Barrett, PhD

of nursing professionals. American Public Health Association (APHA) meeting, November 2019, Philadelphia, PA.

Barrett, E. Individual and joint impacts of environmental chemicals and psychosocial stressors on children's health. Invited presentation. Harvard TS Chan NIEHS Center and Department of Environmental Health. Harvard T. H. Chan School for Public Health. October 2019. Boston, MA.

Barrett, E. Maternal child health: multi-disciplinary research at the intersection of anthropology and public health. Invited presentation. Department of Anthropology, Yale University. September 2019. New Haven, CT.

Day, D, Collett, B, Barrett, ES, Bush, NR, Nguyen, RHN, Swan, SH, Sathyanarayana, S and the TIDES Study Team. Prenatal sex hormones and behavioral outcomes in children. Poster presentation at International Society for Environmental Epidemiology (ISEE) Meeting, August 2019, Utrecht, The Netherlands.

Day, D, Collett, B, Barrett, ES, Bush, NR, Nguyen, RHN, Swan, SH, Sathyanarayana, S and the TIDES Study Team. Phthalate mixtures in pregnancy and childhood behavioral outcomes. Poster presentation at International Society for Environmental Epidemiology (ISEE) Meeting, August 2019, Utrecht, The Netherlands.

LeWinn, K, Bush, N, Szpiro, A, Barrett, E, Loftus, C, Ni, Y, Davis, R, Karr, C, Tylavsky, F, Sathyanarayana, S. Prenatal Phthalate Exposure and Child Cognitive Performance in a Large, Well-Characterized Pregnancy Cohort Study. Poster presentation at International Society for Environmental Epidemiology (ISEE) Meeting, August 2019, Utrecht, The Netherlands.

Hazlehurst, M, Carroll, K, Szpiro, A, Loftus, C, Moore, P, Kaufman, J, LeWinn, K, Bush, N, Sathyanarayana, S, Tylavsky, F, Barrett, E, Nguyen, R, Karr, C. Prenatal air pollution and early childhood asthma. Presentation at International Society for Environmental Epidemiology (ISEE) Meeting, August 2019, Utrecht, The Netherlands.

Lessing, JK, Bush, N, Zavez, A, Thurston, SW, Sathyanarayana, S, Nguyen, R, Evans, S, Swan, S, Barrett, E. Prenatal stressful life events and sex-typical play behavior in early childhood. Oral presentation. Society for Pediatric and Perinatal Epidemiology (SPER) Meeting, June 2019, Minneapolis, MN.

Lyden, G, Barrett, E, Sathyanarayana, S, Bush, N, Swan, S, and Nugyen, R. Pregnancy Intention and Phthalate Levels among Pregnant Women in The Infant Development and Environment Study (TIDES) Cohort. Poster presentation. Society for Pediatric and Perinatal Epidemiology (SPER) Meeting, June 2019, Minneapolis, MN.

Xun, X, Peddada, S, Yin, Q, Swan, S, Barrett, E, Bush, N, Adibi, JJ. The role of a placental hormone in the relationship between maternal first trimester body mass index and birthweight. Poster presentation. Society for Pediatric and Perinatal Epidemiology (SPER) Meeting, June 2019, Minneapolis, MN.

Barrett, ES. Environmental chemicals, stress, and children's development. Invited presentation. Child Health Institute of New Jersey, May 2019, New Brunswick, NJ.

Emily S. Barrett, PhD

Day, DB, Collett, BR, Barrett, ES, Bush, N, Nguyen, RH, Swan, SH, Sathyanarayana, S. Prenatal sex hormones and behavioral outcomes in children. Oral presentation. Pediatric Academic Societies (PAS) Meeting, April 2019, Baltimore, MD.

Bedell, SM, Lyden, G, Sathyanarayana, S, Ferguson, K, Santilli, A, Sanders, A, Bush, N, Barrett, E, Swan, S, Nguyen, RHN. First and third trimester phthalates in the development of hypertensive diseases of pregnancy and blood pressure in pregnancy. Poster presentation. 10<sup>th</sup> International Symposium on Diabetes, Hypertension, Metabolic Syndrome, and Pregnancy. March 2019, Florence, Italy.

Sefair, AV, Miller, R, Ciesla, A, Barrett, E, Salafia, C, O'Connor, T. Prenatal maternal depression and anxiety associated with placental structural and functional changes. Oral presentation. Society for Research on Child Development meeting. March 2019, Baltimore, MD.

Adibi, JJ, Yin, Q, Xun, X, Bellavia, A, Buckley, J, Barrett, E, Swan, S. (2019) Do hormones in pregnancy indicate fetal endocrine disruption? Poster presentation. Society for Reproductive Investigation. March 2019, Paris, France.

Black, TM, Zavotsky, K, Graber, JM, Black, KG, Pagani, C, Fiedler, N, Barrett, ES, Marshall, E. The Robert Wood Johnson Barnabas Health Nurses Health Assessment Survey: Evaluating occupational health and wellness concerns within a diverse population of nursing professionals. Poster presentation. New York City Epidemiology Forum. February 2019, New York, NY.

Barrett, ES. Environmental chemicals, psychosocial stress, and children's development. Invited oral presentation. Columbia University Perinatal Pathways Research Group. December 2018, New York, NY.

O'Connor, T, Barrett, ES, Salafia, C, Miller, RK. Placental correlates of prenatal risk. Oral presentation. US Developmental Origins of Health and Disease (US DOHaD) meeting. October 2018, Chapel Hill, NC.

Barrett, ES. How do prenatal environmental exposures impact children's growth and cardiometabolic function? Invited presentation. Rutgers Global Nutrition Research Colloquium. September 2018, Newark, NJ.

Barrett, ES and Salafia, C. Integrating the placenta into epidemiological research: the UPSIDE-ECHO study. Invited presentation. Rutgers University Placenta Working Group. June 2018, New Brunswick, NJ.

Barrett, ES. Why is perinatal health so important? Invited presentation. Rutgers Center for Environmental Exposures and Disease Stakeholder Advisory Board. June 2018, Newark, NJ.

Barrett, ES. Childhood chemical exposures, sex, and neurodevelopmental disorders. Invited symposium presentation. Organization for the Study of Sex Differences. April 2018, Atlanta, GA.

Barrett, ES. Applying anthropology to public health. Invited presentation. Department of Human Evolutionary Biology, Harvard University. April 2018. Cambridge, MA.

Barrett, ES. Prenatal phthalate exposure and children's health: translational research from animal models to humans. Invited seminar. Department of Animal Biosciences, Rutgers University. March 2018. New Brunswick, NJ.

Rivera-Nunez, Z, Barrett, ES, Shapses, SA, Lin, Y, Szamreta, EA, Qin, B, Buckley, B, Bandera, EV. Urinary Mycoestrogens and Age at Menarche and Growth in New Jersey Girls. Poster presentation at the New York City Epidemiology Forum. February 2018. Newark, NJ.

Sheshu, S, Mbowe, O, Thurston, S, Butts, S, Wang, C, Nguyen, R, Bush, N, Redmon, JB, Swan, SH, Sathyanarayana, S, Barrett, ES. Predictors of steroid hormone concentrations in early pregnancy: results from a multi-center cohort. Poster presentation at the New York City Epidemiology Forum. February 2018. Newark, NJ.

Barrett, ES. Chemical contaminants in food: the impact of prenatal exposures on children's development. Invited seminar. Department of Nutritional Sciences, Rutgers University, January 2018. New Brunswick, NJ.

Perez-Ramos, JG, Velez Vega, CM, Torres-Zayas, H, McIntosh, S, Barrett, ES, Dye, TVD. "Culebra es una isla olvidada"- Environmental Risk Perceptions and Challenges on a Small Outer Island of Puerto Rico. Poster presentation at Consortium of Universities for Global Health Conference meeting, March 2018, New York, NY.

Vitek, W, Barrett, ES, Mbowe, O, Thurston, S, Santoro, N, Diamond, M. Preconception allostatic load is associated with pregnancy outcomes but not fertility among women with unexplained infertility. Oral presentation at the American Society for Reproductive Medicine meeting, October 2017, San Antonio, TX.

Vitek, W, Barrett, ES, Mbowe, O, Thurston, S, Santoro, N, Diamond, M. Pre-conception allostatic load is not associated with diminished ovarian reserve among women with unexplained infertility. Oral presentation at the American Society for Reproductive Medicine meeting, October 2017, San Antonio, TX.

Pilato, A, Chen, C, Thurston, S, Vitek, W, Hoeger, K, Barrett, E. Phthalate exposure, reproductive hormones, and lifestyle behaviors in women seeking fertility care. Poster presentation at the American Society for Reproductive Medicine meeting, October 2017, San Antonio, TX.

Sefair, AV, Brunner, J, Ciesla, A, Newman, A, Helbig, K, Wright, K, Wink, G, Birmingham, A, Miller, RK, Barrett, ES, O'Connor, T. Understanding Pregnancy Signals and Infant Development (UPSIDE). UNYTE Maternal & Child Health Translational Research meeting, July 2017, Rochester, NY.

Barrett, ES. Prenatal stress exposures and sex dependent development in early childhood: an adaptive perspective. Oral presentation at the Organization for the Study of Sex Differences meeting, June 2017. Montreal, CA.

Barrett, ES. Understanding Pregnancy Signals and Infant Development (UPSIDE) Study. Invited presentation to the Human Exposures and Outcomes Core, Center for Environmental Exposures and Diseases (CEED), Rutgers University, April 2017. Piscataway, NJ.

Perez-Ramos, J, McIntosh, S, Velez Vega, CM, Barrett, ES, Dye, TDV. mZAP (Zonas, Accion y Proteccion): Empowering communities with mobile strategies for mosquito-borne disease control in tropical environments. Poster presentation at the Translational Science meeting, April 2017, Washington, D.C.

Emily S. Barrett, PhD

Barrett, ES. Endocrine disruptors, stress, and pregnancy. Invited seminar. Harvard T.H. Chan School of Public Health, March 2017. Boston, MA.

Vitek, W, Barrett, ES, Hoeger, K, Diamond, M, Cedars, M, and Steiner, A. Psychological stress and ovarian reserve among women with unexplained infertility. Oral presentation at the American Society for Reproductive Medicine meeting, October 2016, Salt Lake City, UT.

Pilato, A, Vitek, W, Hoeger, K, and Barrett, ES. Knowledge, attitudes, and behaviors related to environmental chemical exposure among women seeking fertility care. Poster presentation at the American Society for Reproductive Medicine meeting, October 2016, Salt Lake City, UT.

Barrett, ES. Prenatal stress and developmental endpoints in animal and human models. Invited oral presentation at the Society for Behavioral Neuroendocrinology meeting, August 2016, Montreal, Canada.

Barrett, ES. Phthalates and women and children's health. Invited seminar. Environmental and Occupational Health Sciences Institute at Rutgers University. May 2016. Piscataway, New Jersey.

Barrett, ES and Korfmacher, K. Chemical exposures and pregnancy: implications for women's and children's health. Grand Rounds, Department of Obstetrics and Gynecology, Rochester General Hospital. April 2016. Rochester, NY.

Barrett, ES, Hoeger, KM, Sathyanarayana, S, Redmon, JB, Nguyen, R, Swan, SH. Anogenital distance, a biomarker of prenatal androgen exposure is longer among newborn daughters of women with polycystic ovary syndrome (PCOS). Poster presentation at the Endocrine Society meeting (ENDO), April 2016, Boston, MA.

Barrett, ES, Vitek, W, Hoeger, K. Phthalate metabolite concentrations and ovarian function in women with unexplained infertility. Poster presentation at the Endocrine Society meeting (ENDO), April 2016, Boston, MA.

Barrett, ES, Vitek, W, Hoeger, K. Perceived stress is associated with higher ovarian reserve among women with unexplained infertility. Poster presentation at the Endocrine Society meeting (ENDO), April 2016, Boston, MA.

Barrett, ES and Korfmacher, K. Chemical exposures and pregnancy: implications for women's and children's health. Grand Rounds, Department of Obstetrics and Gynecology, University of Rochester School of Medicine and Dentistry. March 2016. Rochester, NY.

Dye, TD, Collier, AC, Darrah, TH, Stodgell, CJ, Li, D, Astern, JM, Barrett, ES, Miller, RK. Detection and compartmentalization of non-essential and rare earth elements during pregnancy in Hawaii. Poster presentation at the Society for Maternal Fetal Medicine. February 2016, Atlanta, GA.

Gable, E, Barrett, E, Li, D, Vitek, W, Hoeger, K, Dye, T. Counseling practices and social outcomes in pregnancies conceived with assisted reproductive technologies. Poster presentation at the American Society for Reproductive Medicine meeting, October 2015, Baltimore, MD.

Kumar, D, Barrett, E, Li, D, Hoeger, K, Dye, T. Sex ratio at birth in relation to use of assisted reproductive technologies (ART). Poster presentation at the American Society for Reproductive Medicine meeting, October 2015, Baltimore, MD.

Barrett, ES, Sobolewski, MT, Martin, M, Gurven, M, Weiss, B. Toxicanthropology: phthalate exposure in relation to market access in a remote forager-horticulturalist population. Poster presentation at the University of Rochester Environmental Health Sciences Center Research Day, September 2015, Rochester, NY.

Allen, JL, Conrad, KA, Sobolewski, ME, Barrett, ES, Klocke, CR, Morris-Schaffer, KB, Cory-Slechta, DA. Developmental exposure to air pollution constituents and the autism phenotype in the prairie vole. Poster presentation at the University of Rochester Environmental Health Sciences Center Research Day, September 2015, Rochester, NY.

Andrade, A, Barrett, ES, and Swan, SH. Reproductive development and related effects of phthalate diesters in males and modification by maternal stress. Oral presentation at the International Society for Environmental Epidemiology meeting, August 2015, Brazil.

Fjeldheim, FN, Frydenberg, H, Flote, VG, McTiernan, A, Ellison, PT, Barrett, ES, Jasienska, G, Makar, KW, Ursin, G, Wist, EA, Thune, I. Polymorphisms in the estrogen pathway, estrogen receptor alpha gene (ESR1), daily cycling estrogen, and mammographic density. Poster presentation at American Society of Clinical Oncology meeting, June 2015, Chicago, IL.

Barrett, ES and Sobolewski, MT. Is phthalate exposure really ubiquitous? Evidence from a remote hunter-gatherer population. Oral presentation to University of Rochester Environmental Health Sciences Center Faculty. May 2015, Rochester, NY.

Barrett, ES. Pregnancy cohort studies at the University of Rochester. Department of Obstetrics and Gynecology Grand Rounds. April 2015. Rochester, NY.

Adibi, JJ, Lee, MK, Naimi, AI, Barrett, E, Nguyen, R, Sathyanarayana, S, Saperstein, K, Thiet, M-P, Janssen, S, Baskin, L, Redmon, JB, Swan, SH. Placental human chorionic gonadotropin is associated with sex-specific development and the response to endocrine disruptors. Oral presentation at the Endocrine Society meeting (ENDO), March 2015, San Diego, CA.

Alur, S, Barrett, E, Li, D, Hoeger, K, Dye, T. Differences in birth outcomes between Caucasian and African American women undergoing ART. Poster presentation at the Endocrine Society meeting (ENDO), March 2015, San Diego, CA.

Swan, SH and Barrett, ES. The androgenic action of stress during fetal development. Oral presentation at the Prenatal Programming and Toxicity (PPTOX) meeting, October 2014, Boston, MA.

Barrett, ES, Parlett, LE, Swan, SH. Environmental exposure to di-2-ethylhexyl phthalate is associated with low interest in sexual activity in premenopausal women. Poster presentation at the American Society for Reproductive Medicine meeting, October 2014, Honolulu, HI.

Alur, S, Hoeger, K, Wang, H, Swan, SH, Barrett, ES. Infertile women who conceived using assisted reproductive technology (ART) have lower urinary phthalate metabolite concentrations than infertile women who conceived spontaneously. Poster presentation at the American Society for Reproductive Medicine meeting, October 2014, Honolulu, HI.

Sathyanarayana, S, Barrett, ES, Janssen, S, Nguyen, RHN, Redmon, JB, Swan, SH. Early pregnancy phthalate exposure and infant birthweight within the TIDES study. Oral presentation at the International Society for Environmental Epidemiology meeting, August 2014, Seattle, WA.

Emily S. Barrett, PhD

Barrett, ES. Phthalates: Latest Research from the University of Rochester. Oral presentation to the URM Environmental Health Sciences Center Community Advisory Board, December 2013, Rochester, NY.

Barrett, ES. Exposure to prenatal life events stress is associated with masculinized play behavior in girls. Oral presentation at the Tenth Anniversary Interdisciplinary Women's Health Research Symposium, October 2013, Bethesda, MD.

Chen, SC and Barrett, ES. Dietary exposure to endocrine disruptors in low income women. Oral presentation at the University of Rochester Clinical and Translational Sciences Institute Fall Seminar Series, October 2013, Rochester, NY.

Sathyanarayana, S, Barrett, E, Wang, C, Swan, S. Phthalate and Bisphenol A Exposure and Maternal Hormone Concentrations During Pregnancy. Oral presentation at the International Society for Environmental Epidemiology meeting, August 2013, Basel, Switzerland.

Kobrosly, RW, Evans, S, Miodovnik, A, Barrett, ES, Thurston, SW, Calafat, AM, and Swan, SH. Sexually-Dimorphic Associations of Prenatal Phthalate Exposure and Neurobehavioral Development in 6-10 Year Olds. Poster presentation at the International Society for Environmental Epidemiology meeting, August 2013, Basel, Switzerland.

Barrett, ES. Stress as an endocrine disruptor: maternal psychosocial stress during pregnancy and fetal development. Collaborative on Health and the Environment Fertility/Reproductive Health teleconference. June 2013. <http://www.healthandenvironment.org/initiatives/fertility/calls>

Barrett, ES, Sathyanarayana, S, Liu, F, Redmon, JB, Wang, C, Swan, SH. Prenatal stress is associated with masculinized anogenital distance (AGD) in infant females. Poster presentation at the Ninth Anniversary Interdisciplinary Women's Health Research Symposium, October 2012, Bethesda, MD.

Barrett, ES. Sex differences in reproductive development: effects of prenatal exposure to stress and environmental chemicals. The Biological Basis for Gender Differences in Public Health and Medicine workshop. September 2012, Rochester, NY.

Barrett, ES, Roca, M, Mendiola, J, Swan, S, Torres-Cantero. Measuring anogenital distance in adult women: methods, descriptive statistics, and quality control. Oral presentation at the International Society for Environmental Epidemiology meeting, August 2012, Columbia, SC.

Swan, SH, Mendiola, J, Eisenberg, M, Barrett, E, Sathyanarayana, S. Anogenital distance: a nonspecific indicator of the in utero hormonal milieu. Oral presentation at the International Society for Environmental Epidemiology meeting, August 2012, Columbia, SC.