

EMILY S. BARRETT, PHD

CONTACT INFORMATION:

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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

Assistant Professor Department of Obstetrics and Gynecology (primary) Department of Public Health Sciences (secondary) University of Rochester School of Medicine and Dentistry (URMC)	2011-present
Environmental Health Sciences Center Faculty (URMC)	2013-present
Research Assistant Professor Department of Obstetrics and Gynecology (URMC) University of Rochester School of Medicine and Dentistry	2009-2011

Supplemental coursework at URM

Scientific Writing	2009
Grant Writing	2011
Advanced Epidemiologic Methods	2011
Applied Linear Regression (audit)	2011
Multivariate Models for Epidemiology (audit)	2012
Ever Better Mentoring	2015

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

International Society for Environmental Epidemiology	2012-present
American Society for Reproductive Medicine	2014-present
Environment and Reproduction Special Interest Group	
European Society of Human Reproduction and Embryology	2015-present
Endocrine Society	2016-present

HONORS, FELLOWSHIPS, AND AWARDS

<i>Fertility and Sterility</i> , Top 3 Reviewers of the Year	2015
<i>Human Reproduction</i> , Best Reviewers certificate (top 10%)	2015
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
Certificate in Distinction of Teaching, Derek Bok Center for Teaching and Learning, Harvard University	2003-2005

LEADERSHIP POSITIONS: LOCAL AND NATIONAL

Co-director of Office of Research Administration Department of Obstetrics and Gynecology, URM	2011-present
Community Advisory Board member Environmental Health Sciences Center, URM	2009-present
Board of Directors, Healthy Baby Network (formerly Perinatal Network of Monroe County), Rochester, NY	2015-present
Editorial Board member, <i>Fertility and Sterility</i>	2015-present
Editorial Board member, <i>Hormones and Behavior</i>	2015-present

SERVICE ACTIVITIES: LOCAL AND NATIONAL

Co-organizer of weekly Research Workshop, Department of Obstetrics and Gynecology, URM	2011-present
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Department Reviewer for Research Subjects Review Board, Department of Obstetrics and Gynecology, URM	2009-present
Co-organizer, Researching Women's Environmental Health workshop (URMC)	2009-2010
Co-organizer, AGD training workshop	2015
Authored <i>Perifacts</i> article on "Cultural attitudes towards childbirth"	2015
Ad hoc reviewer: Interim Funding Requests, URM	2014
Ad hoc grant reviewer: National Science Foundation, Biological Anthropology Program	2014
Ad hoc grant reviewer: Medical Research Council, UK	2015
Ad hoc grant reviewer, Mae Stone Goode Foundation	2015
Ad hoc grant reviewer; Israel Science Foundation	2016

Ad hoc manuscript reviewer:

American Journal of Physical Anthropology; BMC Public Health Research; Breastfeeding Medicine; Chemosphere; Early Human Development; Endocrine Disruptors; Endocrinology; Environmental Health Perspectives; Environmental Science and Pollution Research; Epidemiology; Human Reproduction; International Journal of Environmental Research and Public Health; Journal of Exposure Science and Environmental Epidemiology; Maternal Child Health Journal; Neurotoxicology; Pediatric and Perinatal Epidemiology; Science of the Total Environment; Toxics

TEACHING

TEACHING: COURSES

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) ² Summer Program; Phillips Andover Academy, Andover, MA	1998-1999

TEACHING: LECTURES, MENTORING, AND OTHER ACTIVITIES

- Mentorship of OB/GYN Resident and MPH student research projects 2011-present
Elizabeth Fontaine, MD: Does anogenital distance, a marker of prenatal androgen exposure, differ in women with polycystic ovarian syndrome (PCOS)?
Chelsea Gill, MPH: Phthalate exposure in relation to dietary patterns of reproductive age women
Sarah Caveglia, MPH: Maternal smoking in relation to semen quality in fertile men
Ethan Gable, MD: Counseling practices and social outcomes in pregnancies conceived with assisted reproductive technologies
Snigdha Alur, MD: Infertile women who conceived using assisted reproductive technology (ART) have lower urinary phthalate concentrations than infertile women who conceived spontaneously
Snigdha Alur, MD: Differences in birth outcomes between Caucasian and African American women undergoing ART
Divya Kumar, MPH: Sex ratio in infants following conception by ART
- Preceptor, 3rd year medical student debates 2014-present
“Are endocrine-disrupting chemicals causing earlier menarche in girls?”
“Does *in utero* health really predict adult health?”
- Guest lecturer in Environmental and Occupational Epidemiology course 2011-present
Highest rated guest lecturer, 2015

RESEARCH SUPPORT

PENDING

Source: NIH, R01

Title: The placental proteome in relation to trimester, fetal sex, maternal phthalate exposure and sex-specific birth and neonatal outcomes

Dates: 2016-2021

Role: Investigator (PI: Jennifer Adibi, PhD)

Source: NIH, Administrative Supplement

Title: Prenatal exposures in relation to neuroimaging in healthy infants

Dates: 2016-2020

Role: PI

Source: NIH, UG3/UH3

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

Dates: 2016-2023

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

Source: NIH, UG3/UH3

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: 2016-2023

Emily S. Barrett, PhD

Role: Investigator (PI: Catherine Karr, MD, MS)

Source: NIH, UG3/UH3

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

Dates: 2016-2023

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

CURRENT

Source: NIH, NICHD, R01HD083369-01A1

Title: Prenatal Anxiety, Androgens, and Sex-Dependent Development

Dates: 2015-2020

Role: PI

Source: NIH, NIEHS, 2R01ES016863-06; subaward from Mount Sinai School of Medicine

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

Dates: 2015-2020

Role: URMCI PI and Center Director (PI: Shanna Swan, PhD)

Source: NIH, NIEHS, T32

Title: Training in Environmental Health Biostatistics

Dates: 2015-2020

Role: Trainer (PI: Sally Thurston, PhD)

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

Title: Dietary Assessments in a Pregnancy Cohort

Dates: 2015-2017

Role: PI

Source: Mae Stone Goode Foundation

Title: Prenatal Androgens and PCOS

Dates: 2012-2016

Role: PI

Source: Mae Stone Goode Foundation

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

Dates: 2015-2016

Role: PI

Source: NIH-funded URMCI 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

PAST

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

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

Emily S. Barrett, PhD

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

Dates: 2013-2015

Role: PI

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 and 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

Sobolewski, M, Martin, M, Gurven, M, Barrett, ES. Is phthalate exposure ubiquitous? Evidence from a remote population of Bolivian hunter-gatherers. *In preparation for submission to Environmental Health Perspectives*.

Sathyanarayana, S, Grady, R, Barrett, ES, Janssen, S, Redmon, JB, Nguyen, RHN, Swan, SH, and the TIDES Study Team. First trimester phthalate exposure and newborn male genital anomalies. *In preparation for submission to Environmental Health Perspectives*.

Fjeldheim, FN, Frydenberg, H, Flote, VG, McTiernan, A, Furberg, AS, Ellison, PT, Barrett, ES, Wilsgaard, T, Jasienska, G, Makar, KW, Ursin, G, Wist, EA, Thune. Polymorphisms in the estrogen pathway, estrogen receptor alpha gene (ESR1), daily cycling estrogen and mammographic density phenotypes. *In preparation for submission to Breast Cancer Research*.

Barrett, ES, Hoeger, K, Sathyanarayana, S, Nguyen, R, Redmon, B, Janssen, S, Swan, S. Daughters of women with polycystic ovary syndrome have longer anogenital distance, a marker of prenatal androgen exposure. *Under review at PLoS One*.

Martino-Andrade, AJ, Liu, F, Sathyanarayana, S, Barrett, ES, Nguyen, RHN, Redmon, JB, Levine, H, Swan, SH, and the TIDES Study Team. Timing of prenatal phthalate exposure in relation to genital endpoints in male newborns. *In press at Andrology*.

Alur, S, Barrett, E, Li, D, Hoeger, K, Dye, T. Disparities in birth outcomes between Caucasian and African American women who conceived using ART. *In press at Clinical Obstetrics, Gynecology and Reproductive Medicine*.

Barrett, ES, Parlett, LE, Sathyanarayana, S, Nguyen, R, Redmon, B, Janssen, S, Swan, S. (2015) Exposure to stressful life events modifies associations between prenatal phthalate exposure and male reproductive development. *In press at Paediatric and Perinatal Epidemiology*.

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. *In press at Breast Cancer Research*.

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, Ivceck, 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.

Barrett, ES, Parlett, LE, Swan, SH. (2015) Stability of proposed biomarkers of prenatal androgen exposure over the menstrual cycle. *Journal of Developmental Origins of Health and Disease*. 13: 1-9.

Swan, SH, Sathyanarayana, S, Barrett, ES, Janssen, S, Liu, F, Nguyen, RHN, Redmon, JB, and the TIDES Study Team (2015) First-trimester phthalate exposure is linked to shorter anogenital distance in newborn boys. *Human Reproduction*. 30(4): 963-72.

Barrett, ES, Parlett, LE, Redmon, JB, Sparks, A, Wang, C, Swan, SH. (2014) Phthalate exposure is associated with low interest in sexual activity in premenopausal women. *Hormones and Behavior*. 66(5):787-92.

Evans, SF, Kobrosly, RW, Barrett, ES, Thurston, SW, Calafat, AM, Weiss, B, Stahlhut, R, Yolton, K, Swan SH (2014) Prenatal Bisphenol A exposure and maternally reported behavior in boys and girls. *Neurotoxicology* 45:91-9.

Serrano, SE, Seixas, NS, Karr, CJ, Barrett, ES, Janssen, S, Redmon, JB, Nguyen, RHN, Swan, SHS, Sathyanarayana, S, and the TIDES Study Team (2014) Behavioral practices and phthalate body burden in pregnant women. *International Journal of Environmental Research and Public Health*. 11(6):6193-215.

Chen, S, Barrett, ES, Velez, M, Conn, K, Heinert, S, Qiu, X (2014) Using the health belief model to illustrate factors that influence risk assessment during pregnancy and implications for prenatal education about endocrine disruptors. *Policy Futures in Education* 12(7): 961-974.

O'Connor, TG, Barrett, ES (2014) Mechanisms of Prenatal Programming: Identifying and Distinguishing the Impact of Steroid Hormones. *Frontiers in Pediatric Endocrinology*. 5:52.

Barrett, ES, Parlett, LE, Windham, GC, Swan, SH (2014) Differences in ovarian hormone levels in relation to parity and time since last birth. *Fertility and Sterility*. 101(6): 1773-1780.

Kobrosly, RW, Evans, S., Miodovnik, A., Barrett, ES, Thurston, SW, Calafat, AM, Swan, SH (2014) Prenatal phthalate exposure and neurobehavioral development scores in boys and girls at 6-10 years of age. *Environmental Health Perspectives*. 122(5):521-8.

Barrett ES, Sathyanarayana, S, Janssen S, Redmon JB, Nguyen, R, Kobrosly R, Swan SH and the TIDES Study Team (2014) Environmental Health attitudes and behaviors: findings from a large pregnancy cohort study. *European Journal of Obstetrics & Gynecology and Reproductive Biology*. 176:119-25

Barrett, ES and Sobolewski, MT (2014) Polycystic ovary syndrome: do endocrine disrupting chemicals play a role? *Seminars in Reproductive Endocrinology*. 32(3):166-76.

Barrett, ES, Redmon, JB, Wang, C, Sparks, A, Swan, SH (2014) Exposure to prenatal life events stress is associated with masculinized play behavior in girls. *Neurotoxicology*. 41C: 20-27.

Barrett, ES, Parlett, LE, Redmon, JB, Swan, SH. (2014) Evidence for sexually dimorphic associations between maternal characteristics and anogenital distance (AGD), a marker of reproductive development. *American Journal of Epidemiology*. 179(1): 57-66.

Sathyanarayana, S, Barrett, E, Butts, S, Wang, C, Swan, SH (2014) Phthalate exposure and reproductive hormone concentrations in pregnancy. *Reproduction*. 147(4):401-409.

Barrett ES, Parlett, LE, Sathyanarayana, S, Liu, F, Redmon, JB, Wang, C, Swan, SH (2013) Prenatal exposure to stressful life events is associated with masculinized anogenital distance (AGD) in female infants. *Physiology and Behavior*. 114-115: 14-20.

Barrett, ES, Tran, V, Thurston, S, Jasienska, GJ, Furberg, AS, Ellison, PT, Thune, I (2013) Marriage and motherhood are associated with lower testosterone concentrations in women. *Hormones and Behavior* 63(1): 72-9.

Barrett, ES, Thune, I, Lipson, SF, Furberg, AS, Ellison, PT (2013) A factor analysis approach to examining relationships among steroid concentrations, gonadotropin concentrations, and menstrual cycle length characteristics in healthy, cycling women. *Human Reproduction* 28(3): 801-11.

Mendiola, J, Roca, M, Mínguez-Alarcón, L, Mira-Escolano, M-P, López-Espín, JJ, Barrett, ES, Swan, SH, Torres-Cantero, AM (2012) Anogenital distance is related to ovarian follicular number in young Spanish women: a cross-sectional study. *Environmental Health* 11:90.

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.

Tørris C, Thune I, Emaus A, Finstad SE, Bye A, Furberg AS, Barrett E, Jasienska G, Ellison P, Hjartåker A. (2012) Duration of Lactation, Maternal Metabolic Profile, and Body Composition in the Norwegian EBBA I-Study. *Breastfeeding Medicine* 8: 8-15.

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.

BOOK CHAPTERS

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

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 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.

Emily S. Barrett, PhD

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.

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.