

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

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 Institute for Food, Nutrition, and Health Faculty Director of Epidemiology Concentration (2020-present)	2016-present
Adjunct Associate Professor, University of Rochester Medical Center Department of Obstetrics and Gynecology (primary) Department of Public Health Sciences (secondary)	2016-present

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Environmental Health Sciences Center Faculty

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
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

International Society for Environmental Epidemiology 2012-2014, 2021
Society for Pediatric and Perinatal Epidemiologic Research 2018-present
Organization for the Study of Sex Differences 2017-2019
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

HONORS, FELLOWSHIPS, AND AWARDS

HERS (Higher Education Resource Service) leadership program 2022
Academic Leadership Program Fellow, Rutgers Biomedical and Health Sciences 2021
Rutgers Biomedical and Health Sciences Chancellor's Distinguished
Biomedical Research Award (inaugural) 2020
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
Certificate in Distinction of Teaching, Derek Bok Center for Teaching and Learning, Harvard University	2003-2005

LEADERSHIP POSITIONS: LOCAL AND NATIONAL

Cabinet member, Environmental and Occupational Health Sciences Institute (EOHSI), Rutgers University	2022-present
External Advisory Board, HEALthy Brain and Child Development (HBCS) Study	2021-present
Associate Editor, <i>Frontiers in Epidemiology</i>	2021-present
Guest Editor, <i>Frontiers in Epidemiology</i> research topic on <i>Prenatal Chemical Exposures and Child Development</i>	2021-present
Director of Epidemiology Concentration, Rutgers School of Public Health	2020-present
Chair, Biobank Committee, Rutgers Corona Cohort	2020-present
RBHS Strategic Planning Committee, Research Sub-committee Chair, Informatics/Microbiome subcommittee	2020-2021
Communications and Outreach Committee, Society for Pediatric and Perinatal Epidemiologic Research	2019-2021
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>	2018-2021
Editorial Board member, <i>Fertility and Sterility</i>	2015-2021
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, URMC	2011-2016
Community Advisory Board member Environmental Health Sciences Center, URMC	2009-2016
Board of Directors, Healthy Baby Network (formerly Perinatal Network of Monroe County), Rochester, NY	2015-2016

SERVICE ACTIVITIES: LOCAL, NATIONAL, AND INTERNATIONAL

Grant reviews: National / International

NIH Special Emphasis Panel/Scientific Review Group; Maintaining and Enriching Environmental Epidemiology Cohorts to Support Scientific and Workforce Diversity (U24)	2022
NIH Special Emphasis Panel/Scientific Review Group (ZRG EMNR-C(02))	2022
NIH Study Section Hypersensitivity, Allergies, and Mucosal Immunology (HAMI; ZRG IDIB-E (57)R)	2021
NIH Study Section Biobehavioral Mechanisms of Emotion, Stress, and Health [MESH] (ad hoc)	2021

NIH Special Emphasis Panel/Scientific Review Group (ZRG1 PSE-G)	2020
NIH Special Emphasis Panel/Scientific Review Group (Pathway to Independence Award (K99/R00) ZES1 VSM-D)	2020
NIH Study Section Behavioral Neuroscience panel (FO2A)	2020
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, 2021
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, 2022
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

Mock study section external reviewer, SUNY Downstate PRIDE program	2022
Mock study section external reviewer, University of Rochester School of Nursing	2022
Rutgers School of Graduate Studies (SGS) Fulbright Faculty Committee	2020
Rutgers School of Health Professions Dean's Intramural Grants Program	2020
Rutgers University, Busch Biomedical Grants	2017
Mae Stone Goode Foundation	2015, 2022
Interim Funding Requests, University of Rochester	2014

Scientific Meetings/Workshops

Invited Discussant, NIH ECHO Discovery Series	2020
Steering committee, New York City Epidemiology Forum (NYCEF)	2020-present
Invited Panelist, Multidisciplinary K12 Urologic Research (KURe) Career Development Research Meeting (Duke University)	2018
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, Department of Obstetrics and Gynecology, URM	2011-2016
Co-organizer, AGD training workshop	2015
Co-organizer, Researching Women's Environmental Health workshop (URMC)	2009-2010

Other- National/International

Promotions and Tenure external reviewer, Columbia University	2022
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Promotions and Tenure external reviewer, Michigan State University	2021
Working group member, Humans & the Microbiome in Public Health, Canadian Institute for Advanced Research	2021
External Peer reviewer, California EPA, "Potential Neurobehavioral Effects of Synthetic Food Dyes in Children"	2020
Promotions and Tenure external reviewer, George Mason University	2020
External Peer Reviewer, ATSDR profile "Di(2-ethylhexyl) phthalate"	2018

Other- State

Research Advisory Committee, NJ iPHD Project	2021-present
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Rutgers University

EOHSI ad hoc review committee	2022
Rutgers Global Health Institute Faculty Search Committee	2021-present
Epidemiology Faculty Search Committees (chair of Assistant Professor search)	2020-present
Appointments and Promotions Committee, School of Public Health	2020-present
Bylaws and Elections Committee, School of Public Health	2020-present
Research and Doctoral Studies Committee (Chair), School of Public Health	2020-present
Steering Committee, Rutgers Child Health & Well-being Faculty interest group	2019-present
Search Committee, Associate Dean for Research, School of Public Health	2019-2020
Faculty mentoring workgroup, School of Public Health	2019-2020
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, EOHSI Director, Rutgers University	2017

University of Rochester

Judge, Resident research day	2016, 2019
Department Reviewer for Research Subjects Review Board, Department of Obstetrics and Gynecology, University of Rochester	2009-2016
Authored <i>Perifacts</i> 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

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

TEACHING: LECTURES, MENTORING, AND OTHER ACTIVITIES

Rutgers University

Early career faculty mentoring committees	
Shuo Xiao, PhD (Ernest Mario School of Pharmacy, Toxicology)	2021-present
Greta Bushnell, PhD (SPH, Epidemiology)- Chair	2020-present
Zorimar Rivera-Nunez, PhD (SPH, Epidemiology)- Chair	2019-present
Adana Llanos Wilson, PhD (SPH, Epidemiology)	2019-2021
Stephanie Shiau, PhD (SPH, Epidemiology)- Chair	2019-present
Shawna Downs, PhD (SPH, Urban-Global Health)- Chair	2019-present
Shristi Rawal, PhD (SHP, Nutritional Sciences)	2019-present
Rutgers Connection Network (RCN) Mentoring Program	
Faculty peer mentor	2018-2019
Faculty mentor	2021-2022
Doctoral committees	
Melissa Woortman, Nutritional Sciences (PhD)	2022-present
Danielle Kozlosky, Toxicology (PhD)	2021-present

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Talia Seymore, Toxicology (PhD)	2021-present
Josephine Shenouda, Epidemiology (DrPH; Chair)	2020-2022
Erica Sison, Epidemiology (DrPH)	2020-present
Anna Ogilvie, Nutritional Sciences (PhD)	2020-present
Carolyn Kinkade, Exposure Science (PhD; Chair)	2019-present
Melody Wren, Exposure Science (PhD)	2017-2022
Elizabeth Szamreta, Epidemiology (PhD)	2017-2018

Mentorship of MPH student Capstone projects

Raneeka Foster	2022-present
Kate di Paola	2021-present
Melissa Kirker	2021-2022
Rutvi Ravani	2021-2022
Myles Jackson	2021-2022
Luz Sandoval	2021-2022
Aanchal Wats	2021-2022
Rooshna Mohsin	2021-2022
Tendai Chihuri	2021-2022
Mohammed Aktar	2021
Ifeoluwa Aridegbe	2020-2021
Yiqin Zhou	2020-2021
Eleanor Ratner	2020-2021
Blaire Adkins	2020-2021
Jennifer Miller	2020-2021
Devon Gillen	2020-2021
Amarachi Ezumah	2020-2021
Seshu Vemavarapu	2020-2021
Elizabeth Kaplun	2020-2021
Hyma Moparthi	2020-2021
Ciara Downey	2020
Jacqueline Amati	2019-2020
Ashley Grenger	2019-2020
Ariana Nunez	2018-2019
Jennifer Ngandu	2018-2019
Anchal Sood	2018-2019
Amerasinghage Fonseka, MD	2017-2018
Maheswari Mariappan, MD	2017-2018
Sukrita Sheshu, MD	2017-2018

Other mentorship

Oluwakanyinsola Olateru-Olagbegi, MS Biostatistics candidate	2021-2022
Andrea Barreto, MD candidate	2021
Jeremy Lessing, MD-PhD candidate	2018-2019

Guest lecturer

Introduction to Environmental Health	2022
Environmental and Occupational Epidemiology	2017-2022
Reproductive Toxicology (Rutgers SEBS)	2017, 2019, 2021
Hormonally-active pollutants (Princeton University)	2018-2020
Biology of the First 1,000 Days (Rutgers SEBS)	2018, 2020
PHocus Summer Experience (high school)	2018, 2019

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Ernest Mario School of Pharmacy SURF program	2019, 2022
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	
Hannah Murphy, Translational Biomedical Science	2019-present
Chongshu Chen, Biostatistics and Computational Biology	2016-2017
Jose Perez-Ramos, Translational Biomedical Science	2016-2019
Mentorship of Resident and MPH student research projects	2011-2019
Elizabeth Fontaine, MD	
Chelsea Gill, MPH	
Sarah Caveglia, MPH	
Ethan Gable, MD	
Snigdha Alur, MD	
Divya Kumar, MPH	
Alexis Pilato, MD	
Preceptor, 3 rd 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
Environmental Health	
Neurotoxicology	
Societal Determinants of Neurotoxicology	
Training grant mentor	
Training in Environmental Health Biostatistics (NIEHS T32)	2015-present

Other

Professional thesis advisor:	
Milena Drozd, Ecole des Hautes Etudes en Sante Publique (France)	2020
External thesis reviewer:	
Pamela Barrios, Rutgers University, SEBS	2018
Rodrigo Romao, MSc, Dalhousie University, Canada (MPH)	2018

RESEARCH SUPPORT

CURRENT

Source: NIH, NIEHS, R01ES033185

Dates: 2022-2027

Title: Pregnancy and postpartum as vulnerable exposure windows: phthalates and maternal cardiometabolic health

Role: MPI (contact PI: Tamarra James-Todd, PhD)

Source: Rutgers University/State of New Jersey

Dates: 2021-2023

Title: The New Jersey Kids Study (NJKS)

Role: mPI (contact PI: Martin Blaser, MD)

Source: NIH, NIAID, R01AI158911

Dates: 2021-2024

Title: Cohort and biomarkers for COVID-19 severity, natural history, and reinfection

Role: mPI (contact PI: Martin Blaser, MD)

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: Internal funding from Chancellor

Title: New Jersey Kids Study (NJKS)

Dates: 2021-2023

Role: mPI (contact PI: Martin Blaser, MD)

Source: NIH, NCATS, UL1TR003017-02S2

Dates: 2020-2022

Title: New Jersey Alliance for Clinical Translational Science: NJ ACTS- Supplement (NJHEROES TOO)

Dates: 2020-2024

Role: mPI (contact PI: Reynold Panettieri, Jr., MD)

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)

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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: co-Investigator (PI: Leonardo Trasande, MD, MPP)

Source: NIH, R21ES032047

Title: Emerging mycoestrogens: impacts on placental and early childhood growth

Dates: 2021-2023

Role: co-Investigator (PI: Zorimar Rivera-Nunez, PhD)

Sources: NIH, R21HD104558

Title: Leveraging NICHD DASH biospecimens to isolate the effects of HIV infection and HIV exposure on epigenetic profiles in infants

Dates: 2020-2022

Role: co-Investigator (PI: Stephanie Shiau, PhD)

Source: Canadian Institutes of Health Research (CIHR)

Title: Identifying COVID-related mental health problems and resiliency in youth to inform intervention policy from pre-pandemic levels of maternal environmental adversity and mood: The Maternal Adversity Vulnerability and Neurodevelopment Study

Dates: 2022-2024

Role: Collaborator (PI: Ashley Wazana, PhD)

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)

INVOLVEMENT IN CAREER DEVELOPMENT AWARDS

Source: NIH, NIEHS, F31ES034269 (funding to start Summer 2022)

Dates: 2022-2025

Title: Exposure to zearalenone and its impact on maternal and fetal health

Role: Sponsor (PI/mentee: Carolyn Kinkade, MPH)

Source: NIH, Office of the Director, ECHO Opportunities and Infrastructure Fund

Dates: 2021-2023

Title: Genetic Variation in the Placental Barrier: Impact on Child Environmental Health Studies

Role: co-I and primary mentor (PI: Zorimar Rivera-Nunez, PhD)

Source: NIH, NIEHS, R01ES02981-04S1

Dates: 2022-2023

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Title: Human placental morphology, function, and pathology: relationship to environmental exposures and newborn and child health- Diversity Supplement for Ms. Sadia Chowdhury
Role: Mentor (contact PI: Carolyn Salafia, MD)

Source: NIH, NIEHS, R01ES029275-04S1

Dates: 2021-2023

Title: Placental responses to environmental chemicals- Diversity Supplement for Dr. Lauren Walker

Role: mPI and mentor (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, NINR, K23NR019014

Dates: 2019-2022

Title: Delineation of the biopsychosocial risks of obesogenic eating behaviors

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

PENDING

Source: NIH, NIEHS, R01ES025169

Dates: 2022-2027 (scored 3%, NOA expected imminently for Spring 2022 start, per NIEHS PO)

Title: TIDES III: Endocrine Disruption, Hormones, and Sex Differences in Adolescent Airway Health

Role: co-I (PI: Sheela Sathyanarayana, MD, MPH)

Source: NIH, NIEHS, R01ES034412

Dates: 2023-2028 (resubmission; originally scored 29%)

Title: Prenatal glyphosate exposure, sex hormones, and reproductive health

Role: co-I (PI: Jia Chen, PhD)

Source: NIH, NICHD

Dates: 2023-2027

Title: Maternal inflammation in relation to offspring epigenetic aging and neurodevelopment

Role: co-I (PI: Stephanie Shiao, PhD)

Source: NIH, NIEHS

Dates: 2023-2028

Title: Mycoestrogen exposure and fetoplacental function

Role: co-I (PI: Zorimar Rivera-Nunez, PhD)

PAST

Source: NIH, NICHD, R01HD083369

Title: Understanding Pregnancy Signals and Infant Development (UPSIDE)

Dates: 2015-2020

Role: PI

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Source: NIH, NIEHS, R01ES025169
Title: Phthalate exposure and gender-related development
Dates: 2015-2020
Role: Sub-award PI and Center Director (PI: Shanna Swan, PhD)

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)

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, NIEHS, R01ES016863
Title: The Infant Development and the Environment Study (TIDES)
Dates: 2010-2014
Role: Sub-award PI and Center Director (PI: Shanna Swan, PhD)

Source: NIH 3UL1TR003017-02S1
Title: New Jersey Alliance for Clinical Translational Science: NJ ACTS- Supplement
Dates: 2020-2022
Role: co-Investigator (PI: Reynold Panettieri, Jr., MD)

Source: NIH, U01AI122285 - 05W1
Title: Microbial, immune, metabolic perturbations by antibiotics: Supplement for Rutgers Coronavirus Cohort
Dates: 2020-2021
Role: co-Investigator (PI: Martin Blaser, MD)

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)

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)

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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: 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)- BIRCIWH 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

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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 (*indicates joint first authorship)

1. Barrett, ES, Andrews, TR, Roy, J, Greenberg, P, Ferrante, JM, Horton, DB, Gordon, M, Rivera-Nunez, Z, Pellerano, MB, Tallia, AF, Budolfson, M, Georgopoulos, P, Reed, D, Lynn, B, Rosati, R, Castaneda, M, Dion, F, Pernel, C, Hill, D, Jimenez, ME, Blaser, MJ, Panettieri, R, Hudson SV (2022) NJ HEROES TOO: A Comparison of Community and Health Care Organization-Based Approaches to Expand At-Home COVID-19 Testing in Black and Latino Communities. Accepted for publication at *American Journal of Public Health*.
2. Choi, G, Kuiper, JR, Bennett, DH, Barrett, ES, Bastain, TM, Breton, CV, Chinthakindi, S, Dunlop, AL, Farzan, SF, Herbstman, JB, Karagas, MR, Marsit, CJ, Meeker, JD, Morello-Frosch, R, O'Connor, TG, Pellizzari, ED, Romano, ME, Sathyanarayana, S, Schantz, S, Schmidt, RJ, Watkins, DJ, Zhu, H, Kannan, K, Buckley, JP, Woodruff, TJ. Exposure to Melamine and its Derivatives and Aromatic Amines Among Pregnant Women in the United States: the ECHO Program. Accepted for publication at *Chemosphere*.
3. Pellerano, MB, Hill, D, Jimenez, ME, Gordon, M, Macenat, M, Ferrante, JM, Rivera-Nunez, Z, Devance, D, Lima, D, Sullivan, B, Crabtree, BF, Georgopoulos, P, Barrett, ES, Blaser, MJ, Panettieri, RA, Dawkins, M, Dixon, F, Garcia, H, Lynn, B, Merced, M, Reed, D, Santiago, J, Hudson, SV (2022) Connect: Cultivating academic/community

partnerships to address our communities' complex needs during public health crises. Accepted for publication at *Progress in Community Health Partnerships: Research, Education, and Action*.

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3. Murphy, HR, Gu, Y, Wu, Q, Sui, J, Brunner, J, Panisch, LS, Best, M, Arnold, MS, Duberstein, ZT, Putzig, J, Carnahan, K, Groth, SW, Barrett, ES, Miller, RK, Qiu, X, O'Connor, TG. (2022) Diurnal Cortisol Across Gestation: Normative Patterns and Associations with Maternal Affective Symptoms and Stressful Life Events. *Psychoneuroendocrinology*. <https://doi.org/10.1016/j.psyneuen.2022.105856>. June 30, 2022. Online ahead of print.
4. Ni, Y, Loftus, CT, Szpiro, AA, Young, MT, Hazlehurst, MF, Murphy, PE, Tylavsky, FA, Mason, WA, LeWinn, KZ, Sathyanarayana, S, Barrett, ES, Bush, NR, Karr, CJ (2022) Associations of Pre- and Postnatal Air Pollution Exposures with Child Behavioral Problems and Cognitive Performance: A U.S. Multi-cohort Study. *Environmental Health Perspectives*. <https://doi.org/10.1289/EHP10248>. June 23, 2022. Online ahead of print.
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10. Eick, SM, Geiger, SD, Alshawabkeh, A, Aung, M, Barrett, ES, Bush, N, Cordero, JF, Ferguson, KK, Meeker, JD, Milne, G, Nguyen, R, Padula, AM, Sathyanarayana, S, Schantz, S, Woodruff, TJ, Morello-Frosch, R (2022) Effects of social, biologic, and behavioral factors on biomarkers of oxidative stress during pregnancy: Findings from four ECHO cohorts. *Science of the Total Environment*. 835:155596.
11. Ferguson, KK, Bommarito, P, Arogbokun, O, Rosen, EM, Keil, AP, Zhao, S, Barrett, ES, Nguyen, R, Bush, NR, Trasande, L, McElrath, TF, Swan, SH, Sathyanarayana, S (2022) Prenatal phthalate exposure and child weight and adiposity from in utero to age 6. *Environmental Health Perspectives*. 130(4):47006. PMID: 35452257
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15. Kuiper, JR, O'Brien, KM, Welch, BM, Barrett, ES, Nguyen, RHN, Sathyanarayana, S, Milne, GL, Swan, SH, Ferguson, KK, Buckley, JP (2022) Combining urinary biomarker data from studies with different measures of urinary dilution. *Epidemiology. In press*. PMID: 35473917
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during pregnancy and child mental health at age 4. *Research on Child and Adolescent Psychopathology*. In press. PMID: 35258749

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20. Lyden, GR, Vock, DM, Barrett, ES, Sathyanarayana, S, Swan, SH, Nguyen, RHN (2022) A permutation-based approach to inference for weighted sum regression with correlated chemical mixtures. *Statistical Methods in Medical Research*. 31(4): 579-593. PMID: 35128995
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23. Rao R, McDonald JA, Barrett ES, Greenberg P, Teteh DK, Montgomery S, Qin B, Lin Y, Hong CC, Ambrosone CB, Demissie K, Bandera EV, Llanos AAM. (2022) Associations of hair dye and relaxer use with breast tumor clinicopathologic features: findings from the Women's Circle of Health Study. *Environmental Research*. 203:111863. PMID: 34390715
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31. Sauder KA, Harte RN, Ringham BM, Guenther PM, Bailey RL, Alshawabkeh A, Cordero JF, Dunlop AL, Ferranti EP, Elliott AJ, Mitchell DC, Hedderson MM, Avalos LA, Zhu Y, Breton CV, Chatzi L, Ran J, Hertz-Picciotto I, Karagas MR, Sayarath V, Hoover J, MacKenzie D, Lyall K, Schmidt RJ, O'Connor TG, Barrett ES, Switkowski KM, Comstock SS, Kerver JM, Trasande L, Tylavsky FA, Wright RJ, Kannan S, Mueller NT, Catellier DJ, Glueck DH, Dabelea D. (2021) Disparities in risks of inadequate and excessive intake of micronutrients during pregnancy. *Journal of Nutrition*. 151(11):3555-3569. PMID: 34494118
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36. Groth, SW, Fernandez, ID, Black, RC, Thurston, SW, Wong, E, Brunner, J, Mayo, N, Kapula, N, Yu, Y, Meng, Y, Yeh, K-L, Kinkade, CW, Thornburg, LL, O'Connor, TG, Barrett, ES (2021) Biological Changes in the Pregnancy-Postpartum Period and Subsequent Cardiometabolic Risk--UPSIDE MOMS: A Research Protocol. *Research in Nursing & Health*. 44(4):608-619. PMID: 33993510
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NON-PEER REVIEWED INVITED PUBLICATIONS

1. Rivera-Nunez, Z, Kinkade, C, Zhang, Y, Rockson, A, Bandera, E, Llanos, A*, Barrett, ES*. Phenols, Parabens, Phthalates and Puberty: A Systematic Review of Synthetic Chemicals Commonly Found in Personal Care Products and Girls' Pubertal Development. Accepted for publication at *Current Environmental Health Reports*. (*co-senior author) doi: 10.1007/s40572-022-00366-4. Online ahead of print.
2. Barrett, ES, Groth, SW, Preston, EV, Kinkade, C, James-Todd, T (2021) Endocrine disrupting chemical exposures in pregnancy: a sensitive window for later-life cardiometabolic health in women. *Current Epidemiology Reports*. *In press*. (Invited Review) PMID: 35291208
3. Padula, AM, Rivera-Nunez, Z, Barrett, ES (2020) Combined impacts of prenatal environmental exposures and psychosocial stress on offspring health: air pollution and metals. *Current Environmental Health Reports*. *In press*. <https://doi.org/10.1007/s40572-020-00273-6> (Invited review) PMID: 32347455
4. Barrett, ES and Padula, A (2019) Joint impact of synthetic chemical and non-chemical stressors on children's health. *Current Environmental Health Reports*. 6(4): 225-235. (Invited review) PMID: 31637664
5. Barrett, ES and Vitek, W (2019) Trying to conceive? Track your cycle, any method will do. Invited commentary. *Fertility and Sterility*. 112(5): 815-816. PMID: 31731941
6. Barrett, ES and Patisaul, H (2018) Introduction to the special issue on endocrine disrupting chemicals and behavior. *Hormones and Behavior*. 101: 1-2. PMID: 29793655
7. 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. PMID: 28947077

BOOK CHAPTERS

1. Barrett, ES, Lessing, J (2021) Sex-specific effects of prenatal stress. In: *Prenatal Stress and Child Development*. Oberlander, T, Szekely, E, Wazana, AD (eds.) London: Springer.
2. 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, Hoeft, F, McCardle, P (eds.)
Baltimore: Paul H. Brookes Publishing Co.

3. 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.
4. 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.
5. 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

INTERNATIONAL (INCLUDING INTERNATIONAL PROFESSIONAL SOCIETIES)

Kinkade, C, Rivera-Nunez, Z, Brinker, A, Buckley, B, Brunner, J, Miller, RK, Salafia, C, O'Connor, TG, Aleksunes, LM, Barrett, ES. Profiling urinary and placental zearalenone concentrations in a U.S. pregnancy cohort. Poster presentation at the International Society for Exposure Sciences (ISES) annual meeting. Lisbon, Portugal. September 2022.

Barrett, ES, Workman, T, Hazlehurst, M, Kauderer, S, Loftus, C, Kannan, K, Smith, A, Smith, R, LeWinn, K, Sathyanarayana, S, Karr, C, Bush, N. Prenatal polycyclic aromatic hydrocarbon (PAH) exposure in relation to placental corticotropin releasing hormone (pCRH) in a sociodemographically diverse U.S. cohort. Poster presentation at the 35th Annual Conference of the International Society for Environmental Epidemiology (ISEE 2021). Athens, Greece. September 2022.

Barrett, ES, Rivera-Nunez, Z, Getz, K, Ohman-Strickland, P, Zhang, R, Kozlosky, D, Doherty, C, Buckley, B, Brunner, J, Salafia, C, Miller, R, O'Connor, T, Aleksunes, L. Prenatal cadmium exposure in relation to placental and birth size: effect modification by fetal sex and genetic variation in the placental barrier transporter ABCG2. Oral presentation at the 35th Annual Conference of the International Society for Environmental Epidemiology (ISEE 2021). Athens, Greece. September 2022.

Rivera-Nunez, Z, Kinkade, C, Brinker, A, Buckley, B, Brunner, J, Miller, RK, Salafia, C, O'Connor, TG, Aleksunes, LM, Barrett, ES. Prenatal mycoestrogen concentrations in relation to placental and birth weights. Presentation (format TBA) at the 35th Annual Conference of the International Society for Environmental Epidemiology (ISEE 2021). Athens, Greece. September 2022.

Adgent, M, Buth, E, Norona-Zhou, A, Szpiro, A, Loftus, C, Moore, P, Wright, R, Barrett, E, LeWinn, K, Mason, A, Nguyen, R, Sathyanarayana, S, Karr, C, Bush, N, Carroll, K. Maternal stressful life events during pregnancy and child asthma: an investigation of effect modification by postnatal neighborhood opportunity. Presentation (format TBA) at the 35th Annual Conference of the International Society for Environmental Epidemiology (ISEE 2021). Athens, Greece. September 2022.

Wallace, E, Buth, E, Szpiro, A, Ni, Y, Loftus, C, Masterson, E, Day, D, Sun, S, Sullivan, A, Barrett, ES, Nguyen, R, Robinson, M, Kannan, K, Sathyanarayana, S, Bush, N, LeWinn, K, Karr, C. Prenatal exposure to polycyclic aromatic hydrocarbons and behavioral problems in preschool and early school-aged children. Presentation (format TBA) at the 35th Annual Conference of the International Society for Environmental Epidemiology (ISEE 2021). Athens, Greece. September 2022.

Ni, Y, Sullivan, A, Szpiro, A, Loftus, C, Nguyen, R, Swan, S, Sathyanarayana, S, Barrett, E, Bush, N, Karr, C, LeWinn, K. Air Pollution Exposures and Executive Function in Middle Childhood: A U.S. Multi-Cohort Study. Poster presentation at the 35th Annual Conference of the International Society for Environmental Epidemiology (ISEE 2021). Athens, Greece. September 2022.

Loftus, C, Sun, B, Ni, Y, Wallace, E, Szpiro, A, Day, D, Barrett, E, Nguyen, R, Kannan, K, Robinson, M, Bush, N, Sathyanarayana, S, Karr, C, LeWinn, K. Prenatal exposure to polycyclic aromatic hydrocarbons and cognition in preschool-aged children. Presentation (format TBA) at

Emily S. Barrett, PhD

the 35th Annual Conference of the International Society for Environmental Epidemiology (ISEE 2021). Athens, Greece. September 2022.

Hazlehurst, MF, Carroll, KN, Moore, PE, Szpiro, AA, Loftus, CT, Ni, Y, Dearborn, LC, Adgent, MA, Bush, NR, LeWinn, KZ, Sathyanarayana, S, Barrett, ES, Nguyen, RHN, Karr, CJ. Poster presentation at the 35th Annual Conference of the International Society for Environmental Epidemiology (ISEE 2021). Athens, Greece. September 2022.

Bush, N, Norona-Zhou, A, Coccia, M, Rudd, K, Ahmad, S, Loftus, C, Swan, S, Nguyen, R, Barrett, E, Karr, C, Sathyanarayana, S, LeWinn, K. Intergenerational Transmission of Stress: Multi-domain Stressors from Maternal Childhood and Pregnancy Predict Children's Mental Health in a Racially and Socioeconomically Diverse, Multi-site Cohort. Poster presentation at the 35th Annual Conference of the International Society for Environmental Epidemiology (ISEE 2021). Athens, Greece. September 2022.

Trasande, L, Alshawabkeh, Barrett, E, Dabelea, D, Dunlop, A, Meeker, J, Newschaffer, C, Nelson, M, Padula, A, Paneth, N, Romano, M, Ruden, D, Sathyanarayana, S, Schantz, S, Starling, A, Buckley, J, Hamra, G. Prenatal Exposures to Bisphenols and Phthalates, Gestational Length and Birth Weight in the US: A National Longitudinal Study. Presentation at the 34th Annual Conference of the International Society for Environmental Epidemiology (ISEE 2021). Athens, Greece. September 2022.

Bush, NR, Norona-Zhou, A, Coccia, M, Rudd, KL, Ahmad, SI, Loftus, CT, Swan, SH, Nguyen, RHN, Barrett, ES, Tylavsky, FA, Mason, WA, Karr, CJ, Sathyanarayana, S, LeWinn, KZ. Intergenerational Transmission of Stress: Multi-domain Stressors from Maternal Childhood and Pregnancy Predict Children's Mental Health in a Racially and Socioeconomically Diverse, Multi-site Cohort. DOHaD World Congress, Vancouver, Canada. August 2022.

Moog, NK, Al-Ali, K, Rasmussen, JM, Styner, M, Simhan, HN, Wadhwa, PD, Miller, RK, Barrett, ES, Entringer, S, O'Connor, TG, Buss, C. Interaction between maternal depression in pregnancy and a history of childhood maltreatment on newborn global brain microstructure. *Psychologie und Gehirn*. University of Freiburg, Germany. June 2022.

Barrett, ES and Llanos, AA. Synthetic chemicals in consumer products: links to hormone disruption and breast cancer. Invited lecture. University of Oslo, Norway. May 2022.

Barrett, ES. Chemical exposures in personal care products: why should we care? Invited lecture at the 36th Annual Toxicology Symposium, University of Guelph, Canada. February 2022.

Barrett, ES. Environmental exposures in pregnancy: how do they impact maternal and child health? Invited lecture. University of Murcia, Spain. February 2022.

Kinkade, C, Rivera-Nunez, Z, Miller, R, Kannan, K, Thurston, S, Groth, S, O'Connor, T, Barrett, E. Associations between maternal per- and polyfluoroalkyl substance (PFAS) exposure and gestational weight gain. Poster presentation. PPTOX-VI (virtual). January 2022.

Rivera-Nunez, X, Kinkade, CW, Brunner, J, Murphy, HR, Wang, C, Kannan, K, Miller, O'Connor, T, Barrett, ES. Prenatal Perfluoroalkyl Substances Exposure and Maternal Sex Steroid Hormones Across Pregnancy. Poster presentation. PPTOX-VI (virtual). January 2022.

Emily S. Barrett, PhD

Liang, H-W, Yin, Q, Ng, C, Koistinen, H, Barrett, ES, O'Connor, T, Miller, R, Xun, X, Moog, N, Buss, C, Adibi, JJ. The association of maternal serum level of per- and polyfluoroalkyl substances and four forms of human chorionic gonadotropin in early pregnancy. Poster presentation. PPTOX-VI (virtual). January 2022.

Lesueur, C, Pirrotte, P, Pathak, K, Barrett, ES, Nguyen, RHN, Sathyanarayana, S, Swan, SH, Chen, J. Glyphosate exposure and sex steroid hormones in pregnant women from The Infant Development and Environment Study (TIDES). Poster presentation. PPTOX-VI (virtual). January 2022.

Barrett, ES. Methodological challenges and opportunities in perinatal environmental epidemiology. Invited presentation. Seventh International Conference on Statistics for Twentieth-First Century ICSTC-2021). University of Kerala. Kerala, India (virtual). December 2021.

Barrett, ES. Environmental chemicals, psychosocial stressors, and children's development. Invited presentation. Institute of Medical Psychology, Charité Mental Health, Berlin, Germany (virtual). November 2021.

Barrett, ES, Corsetti, M, Thurston, SW, Loftus, C, Day, D, Karr, C, Kurunthachalam, K, LeWinn, K, Smith, A, Smith, R, Tylavsky, F, Bush, N, Sathyanarayana, S. Prenatal phthalate exposure in relation to placental corticotropin releasing hormone (pCRH) concentrations in the CANDLE study. Oral presentation at the 33rd Annual Conference of the International Society for Environmental Epidemiology (ISEE 2021). NY, NY. August 2021.

Buckley, J, Kuiper, J, Barrett, E, Bastain, T, Bennett, D, Breton, C, Chinthakindi, S, Dunlop, A, Farzan, S, Herbstman, J, Karagas, M, Marsit, C, Meeker, J, Frosch, RM, O'Connor, T, Romano, M, Schantz, S, Schmidt, R, Pellizzari, E, Watkins, D, Zhu, H, Kannan, K, Woodruff, T. Widespread Exposure to Emerging and Previously Unmeasured Chemicals in Commerce in Pregnant women Across the US. Oral presentation at the 33rd Annual Conference of the International Society for Environmental Epidemiology (ISEE 2021). NY, NY. August 2021.

Ni, Y, Loftus, CT, Szpiro, AA, Young, MT, Hazlehurst, MF, Murphy, LE, Tylavsky, FA, Mason, WA, LeWinn, KZ, Sathyanarayana, S, Barrett, ES, Bush, NR, Karr, CJ. Associations of Pre- and Postnatal Air Pollution Exposures with Child Cognitive Performance and Behavior: A Multi-cohort Study. Poster presentation at the 33rd Annual Conference of the International Society for Environmental Epidemiology (ISEE 2021). NY, NY. August 2021.

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.

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. 10th International Symposium on Diabetes, Hypertension, Metabolic Syndrome, and Pregnancy. March 2019, Florence, Italy.

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.

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

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.

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.

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.

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, 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.

Emily S. Barrett, PhD

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.

DOMESTIC (INCLUDING U.S.-BASED PROFESSIONAL SOCIETIES)

Barrett, ES and Korfmacher, K. Environmental Chemicals in Consumer Products: Impacts on Pregnancy. Grand Rounds, Department of Obstetrics and Gynecology, University of Rochester School of Medicine and Dentistry, Rochester, NY. June 2022.

Kautz, A, Chowdhury, S, Meng, Y, O'Connor, TG, Aleksunes, L, Barrett, ES. Associations Between Dietary Carbohydrate Intake During Pregnancy and Placental Glucose Transporter Expression. Poster presentation at the Society for Pediatric and Perinatal Epidemiology (SPER) Annual Meeting, Chicago, IL, June 2022.

Hansel, M, O'Connor, TG, Wang, C, Barrett, ES, Rivera-Núñez, Z. Prenatal neighborhood stress and maternal sex steroid hormones levels across pregnancy. Poster presentation at the Society for Pediatric and Perinatal Epidemiology (SPER) Annual Meeting, Chicago, IL, June 2022.

Shenouda, J, Barrett, E, Davidow, AL, Sidwell, K, Halperin, W, Silenzio, VMB, Zahorodny, W. Disparities in Early Intervention Program participation by children with Autism Spectrum Disorder in a US Metropolitan Area: 2006-2016. Oral presentation at New York City Epidemiological Forum, New York, NY, May 2022.

Kinkade, C, Rivera-Nunez, Z, Miller, R, Kannan, K, Thurston, S, Groth, S, O'Connor, T, Barrett, E. Associations between maternal per- and polyfluoroalkyl substance (PFAS) exposure and gestational weight gain. Poster presentation at New York City Epidemiological Forum, New York, NY, May 2022.

Wats, A, Kinkade, C, Rivera-Nunez, Z, Barrett, E. Neighborhood stress in relation to gestational weight gain and post-partum weight retention. Poster presentation at New York City Epidemiological Forum, New York, NY, May 2022.

Mohsin, R, Rivera-Nunez, Z, Barrett, E. Exploring associations between maternal anxiety in the perinatal period and placental efficiency. Poster presentation at New York City Epidemiological Forum, New York, NY, May 2022.

Coneti V, Duffy VB, Horton DB, Hayes JE, Greenberg P, Andrews T, Barrett ES, Carson JL, Blaser MJ, Panettieri RA, Rawal S. Pre- and post-COVID-19 assessments of taste and smell in a prospective cohort study in New Jersey. Poster Presentation at ACHEMS 2022 Annual Meeting. Bonita Springs, Florida. April 2022.

Day, D, Barrett, E, Nguyen, R, Bush, N, Swan, S, Wang, C, Sathyanarayana, S. Early Pregnancy Maternal Sex Hormones and Childhood Allergy-Related Respiratory Outcomes. Pediatric Academic Societies (PAS) meeting. Denver, CO. April 2022.

Duberstein, Z, Murphy, H, Brunner, J, Barrett, ES, Miller, R, O'Connor, T. Differential stress physiology in pregnancy-related and prenatal general anxiety. Society for Reproductive Investigation 69th Annual Scientific Meeting. Denver, CO. March 2022.

Emily S. Barrett, PhD

Blaser, M and ES Barrett. The New Jersey Kids Study. Invited talk at the New Jersey Chapter of the American College of Obstetricians and Gynecologists. February 2022.

Barrett, ES and DB Horton. The New Jersey Kids Study. Invited talk at the National Institute for Early Education Research (NIEER). Rutgers University, Piscataway, NJ. February 2022.

Barrett, ES. How does the prenatal environment impact children's development? Invited talk at the 4th Annual Reimagine Health Research Symposium. Phoenix, Arizona. February 2022.

Barrett, ES. Endocrine disruptors in food and consumer products. Department of Clinical Research and Occupational Medicine Grand Rounds, Rutgers University. New Brunswick, NJ. January 2022.

Blaser, M and Barrett, ES. The New Jersey Kids Study. Department of Obstetrics and Gynecology Grand Rounds, Cooper University Hospital. Camden, NJ. December 2021.

Adibi, JJ, Xun, X, Yin, Q, Koistinen, H, Wang, J, O'Connor, T, Buss, C, Miller, R, Simhan, H, Barrett, E. Phthalate exposures and effects on a placental 'DOHADogen'. Oral presentation at the U.S. Developmental Origins of Health and Disease (DOHaD) Society. Durham, NC. November 2021.

Barrett, ES. Leveraging pregnancy cohorts to study children's health and development. Invited talk at the Institute for Food, Health, and Nutrition Research Day, Rutgers University. New Brunswick, NJ. November 2021.

Lovgren, A, Dona, AC, Lyden, GR, Barrett, ES, Sathyanarayana, S, Bush, NR, Swan, SH, Nguyen, RHN and the TIDES Study Team. Prenatal Phthalate Exposure and Maternal Chronic Pain in The Infant Development and Environment Study (TIDES). Speed Talk at the Society for Pediatric and Perinatal Epidemiology (SPER) Online Meeting, June 2021.

Ciesla, AA, Murphy, HR, Sefair, AV, Schieble, K, Barrett, ES, Brunner, J, Miller, RK, O'Connor, TG. Characterizing self-reported systemic infection and inflammatory markers in pregnancy. Poster at Society for Epidemiologic Research (SER) Online Meeting, June 2021.

Jimenez, M, Rivera-Nunez, Z, Ferrante, J, Hill, D, Pellerano, M, Crabtree, B, Devance, D, Lima, D, Alcaraz, E, Macenat, M, Barrett, ES, Blaser, M, Panettieri, R, Hudson, S. "I Don't Want to be a Part of Anybody's Experiment": Understanding Black and Latinx Community Perspectives on COVID-19 Experiences, Precautions, and Vaccines. Poster at AcademyHealth Virtual ARM. June 2021.

Kautz, A, Meng, Y, Barrett, ES, Brunner, J, Miller, RK, Groth, SW, O'Connor, TG. Associations of Tryptophan, Docosahexaenoic Acid (DHA), and Vitamin D With Sleep Quality and Depression During Pregnancy. Poster Presentation at Nutrition 2021 Live Online Meeting. June 2021.

Tiderencel, K, Shah, K, Shrestha, A, Barrett, E, Shrestha, A, Rawal, S. Relative Validity and Reproducibility of a Dietary Screener Adapted for Use Among Pregnant Women in Dhulikhel, Nepal. Poster at Nutrition 2021 Live Online Meeting. June 2021.

Sauder, KA, Harte, RN, Ringham, BM, Guenther, PM, Bailey, RL, Alshawabkeh, A, Cordero, JF, Dunlop, AL, Ferranti, EP, Elliott, AJ, Mitchell, DC, Hedderson, MM, Avalos, LA, Zhu, Y, Breton, CV, Chatzi, L, Ran, J, Hertz-Picciotto, I, Karagas, MR, Sayarath, V, Hoover, J, MacKenzie, D, Lyall, K, Schmidt, RJ, O'Connor, TG, Barrett, ES, Switkowski, KM, Comstock, SS, Kerver, JM, Trasande, L,

Tylavsky, FA, Wright, RJ, Kannan, S, Mueller, NT, Catellier, DJ, Glueck, DH, Dabelea, D on behalf of program collaborators for Environmental influences on Child Health Outcomes.

Sociodemographic and Obesity-related Disparities in Risks of Inadequate and Excessive Intake of Micronutrients during Pregnancy: The National ECHO Consortium. Oral presentation at Nutrition 2021 Live Online Meeting. June 2021.

Wilson, K, Gebretsadik, T, Adgent, MA, Loftus, C, Karr, C, Moore, PE, Sathyanarayana, S, Byington, N, Barrett, E, Bush, N, Nguyen, R, Hartmann, T, LeWinn, K, Calvert, A, Tylavsky, F, Carroll, KN. The association of duration of breastfeeding and childhood asthma outcomes. Oral presentation at the Pediatric Academic Society (PAS) Virtual Meeting, May 2021.

O'Connor, T, Brunner, J, Miller, R, Barrett, E, Ciesla, A, Sefair, AV, Thornburg, L, Glover, V, O'Donnell, K. Prenatal infection and child neurodevelopment. Oral presentation at Society for Research on Child Development Virtual Biennial Meeting, April 2021.

Murphy, H, Ciesla, A, Kautz, A, O'Connor, T, Barrett, E, Miller, R. Maternal prenatal diurnal cortisol and associated early neurocognitive measures in offspring. Poster presentation at Society for Research on Child Development Virtual Biennial Meeting, April 2021.

Ciesla, A, Murphy, H, Kautz, A, Barrett, E, Miller, R, O'Connor, T. Prenatal job-related stressors and neurocognitive development in children. Poster presentation at Society for Research on Child Development Virtual Biennial Meeting, April 2021.

Hoeger, KM, Harrington, D, Thurston, S, Bush, NR, Sathyanarayana, S, Nguyen, RHN, Collett, BR, Day DB, Swan, SH, Barrett, ES. Mother's PCOS diagnosis is not associated with behavioral symptoms in offspring at 4-5 years. Poster presentation at the Endocrine Society Meeting (ENDO), March 2021 (virtual due to COVID-19 pandemic).

Barrett, ES. Environmental chemicals, stressors, and children's development. Invited seminar at the URM C T32ES0072721 "Training in Environmental Health Biostatistics" Seminar series, March 2021.

Aleksunes, L and E Barrett. Placental barrier and environmental chemicals: work in progress. Invited presentation at the Center for Environmental Exposures and Disease (CEED), Rutgers University, March 2021.

Barrett, ES. Phthalates and children's development: updates from the TIDES study. Invited seminar at the University of Rochester Environmental Health Sciences Center, February 2021.

Barrett, ES. Impact of COVID19 on our Health Care/Public Health Workforce. Invited Guest Expert on *On the Pandemic* podcast, Rutgers University, January 2021.

Blaser, M, Horton, D, Barrett, E, Roy, J, Gennaro, M, Carson, J, Panettieri, R. Studies of healthcare worker cohorts in New Jersey in the early months of the COVID-19 pandemic. Invited oral presentation at CCRP2, Rutgers University, January 2021 (virtual due to COVID-19 pandemic).

Lyden, GR, Vock DM, Barrett, ES, Sathyanarayana, S, Swan, SH, Nguyen, RHN. A permutation-based approach to inference for weighted sum regression with correlated chemical mixtures. Poster presentation at the Society for Epidemiologic Research. December 2020 (virtual due to COVID-19 pandemic).

Emily S. Barrett, PhD

Rao, R, McDonald, JA, Greenberg, P, Qin, B, Lin, Y, Bandera, E, Demissie, K, Montgomery, S, Ambrosone, C, Barrett, E, Teteh, D, Hong, C-C, Llanos, A. Associations of characteristics of hair dye and relaxer use with tumor clinicopathologic features among Black and White women with breast cancer. Poster presentation at AACR Virtual Conference on The Science of Cancer Health Disparities. October 2020 (virtual due to COVID-19 pandemic).

Perez-Ramos, JG, McIntosh, S, Barrett, ES, Velez Vega, CM, Dye, TDV. Social determinants of health, use of mHealth, perceptions of health and environmental health risk: intentions vs. actions. Oral presentation at American Public Health Association (APHA) Meeting and Expo, October 2020 (virtual due to COVID-19 pandemic).

Barrett, ES. COVID-19 in hospital workers: what can we learn from NJ cohort studies? Invited oral presentation at the CEED Environmental Health Summit, September 2020 (virtual due to COVID-19 pandemic).

Tiderencel, K, Rigassio-Radler, D, Sackey, J, Shrestha, A, Barrett, E, Rawal, S. Association between diet quality & rate of gestational weight gain among pregnant women in Dhulikel, Nepal. Poster presentation at American Society for Nutrition meeting, May 2020 (virtual due to COVID-19 pandemic).

Zhang, R, Wen, X, Doherty, C, Buckley, B, Barrett, E, Aleksunes, LM. Interaction of the human placental BCRP/ABCG2 transporter with cadmium. Poster presentation at the Society for Toxicology (SOT) meeting, March 2020, Anaheim, CA. [winner of MSS Postdoctoral Research Award].

Sethuran, S, Swan, S, Wang, C, Barrett, ES, Nguyen, RHN, Raymond, S, Evans, S, Sathyanarayana, S. Prenatal sex steroid hormones in relation to sex-typical play behavior at 4 years of age. and behavioral outcomes in children. Poster presentation at the Endocrine Society Meeting (ENDO), March 2020, San Francisco, CA.

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 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.

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

Emily S. Barrett, PhD

(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.

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.

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.

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. 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.

Emily S. Barrett, PhD

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. 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.

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

Emily S. Barrett, PhD

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. 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.

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.

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.

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.

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

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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.