

Jennifer J. Adibi ScD

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130 Desoto Street, Public Health 5123, Pittsburgh, PA 15261

EDUCATION

University of California, San Francisco San Francisco, CA
Post-doc, Department of Obstetrics/Gynecology and Reproductive Sciences 2011
Placental and stem cell biology
Advisor: Susan J. Fisher

Harvard T.H. Chan School of Public Health Boston, MA
Post-doc, Department of Environmental Health 2008
Environmental epidemiology
Advisor: Russ Hauser

Harvard T.H. Chan School of Public Health Boston, MA
ScD, Department of Environmental Health 2007
Occupational and environmental epidemiology
Advisor: Russ Hauser

Columbia University Mailman School of Public Health New York, NY
MPH, Department of Environmental Health Sciences 2002
Environmental Health
Advisor: Frederica Perera

Brown University Providence, RI
AB, Russian Studies 1992

ACADEMIC EXPERIENCE

University of Pittsburgh School of Public Health Pittsburgh, PA
Assistant Professor, Department of Epidemiology 2013 – Present

University of Pittsburgh School of Medicine Pittsburgh, PA
Assistant Professor, Department of Obstetrics/Gynecology and Reproductive Sciences
2014 - Present

University of California, San Francisco San Francisco, CA
Adjunct Assistant Professor, Department of Obstetrics/Gynecology and Reproductive Sciences
2012 - 2013

PROFESSIONAL AFFILIATIONS

The Endocrine Society 2013 - Present
The Society for Epidemiologic Research 2014 - Present

International Society of Environmental Epidemiology
The Intersectoral Centre for Endocrine Disruptor Analysis

2023 – Present
2022 - Present

HONORS & AWARDS

Excellence in Endocrinology for an Outstanding Project in Endocrinology, ENDO
2024 Health Disparities Poster Previews, Boston, MA 2024
Professional Mid-Career Award – Outstanding Contributions, The Intersectoral Centre for
Endocrine Disruptor Analysis (ICEDA) 2022
Rising Endocrine Disruptor Research Star, Gordon Research Conference on Environmental
Endocrine Disruptors 2022
NIEHS Extramural Paper of the Month (Adibi et al. 2017. EHP) 2017
NIH Award, International Federation of Placenta Associations 2016
Endocrine Society Outstanding Abstract Awards 2015
In-Training and Early Career Travel Grant, PPTOX IV, Endocrine Society 2014
Trainee award, Summit on Environmental Challenges to Reproductive Health and Fertility,
Department of Obstetrics, Gynecology and Reproductive Sciences, UCSF and the National
Collaborative on Health and the Environment (CHE) 2007
Best student poster, 20th Annual Poster and Exhibit Day, T.H. Chan Harvard School of Public
Health 2006

TEACHING EXPERIENCE

University of Pittsburgh School of Public Health Pittsburgh, PA

- Co-Instructor, EPIDEM2223: Introduction to Environmental Epidemiology
- Instructor, EPIDEM2620: Application of Molecular Biomarkers in Epidemiology
- Guest lecturer, EPIDEM2600: Molecular Epidemiology
- Guest lecturer, EPIDEM2720: Reproductive Epidemiology
- Guest lecturer, EOH2504: Principles of Environmental Exposure

DOCTORAL STUDENT MENTORING

University of Pittsburgh School of Public Health Pittsburgh, PA

- Thesis advisor, Kharlya Carpio MPH (expected PhD in Epidemiology Fall 2024)
 - Topic for Overview exam: a theory and an analytical approach to measure and estimate the effects of the social, psychosocial, physical and chemical environments in pregnancy on race disparities in maternal mental and cardiovascular health.
- Thesis advisor, Hai-Wei Liang MS (expected PhD in Epidemiology Spring 2024)
 - Dissertation title: A pathway approach in human pregnancy to quantify the effects of phthalates on fetal health outcomes mediated by placental function.
- Thesis advisor, Xiaoshuang Xun MPH (PhD in Epidemiology 2022)
 - Dissertation title: Prenatal Phthalate Exposure and Infant Anogenital Distance: infant size adjustment, evaluating phthalate mixture effects, and exposure patterns.

- Current position: Senior Biostatistician, Johns Hopkins University Environmental influences on Child Health Outcomes (ECHO) Data Analysis Center
- Co-mentor, Doctoral committee member: Qing Yin MS (PhD in Biostatistics 2021)
 - Dissertation title: Shape Detection and Mediation Analysis using Semi-parametric Shape-Restricted Regression Spline with Applications
 - Current position: Mathematical Statistician, Office of Clinical Evidence and Analysis, Office of Product Evaluation and Quality, U.S. Food and Drug Administration
- Co-mentor, Doctoral committee member: Alexander Layden BS (PhD in Epidemiology 2022, MD expected 2024)
 - Dissertation title: Investigating Placental Inflammation as a Mediator of Maternal Obesity and Risk of Preterm Birth
 - Current position: Post-doc, Adibi research group
 - Position beginning in June 2024: Graduate Medical Resident, Internal Medicine Residency Program, Beth Israel Deaconess Medical Center
- Doctoral committee member: Claire Thomas MPH (PhD in Epidemiology 2022)
 - Dissertation title: Identification of Metabolic, Immune, and Genetic Risk Factors for Hepatocellular Carcinoma
 - Current position: Post-doc, Fred Hutchinson Cancer Center
- Doctoral committee member: Lei Zhu MS (PhD in Epidemiology 2020)
 - Dissertation title: Association between long-term PM2.5 Exposure and Subclinical Atherosclerosis: Are midlife women a potential "At Risk" population?

POST-DOCTORAL MENTORING

University of Pittsburgh School of Public Health	Pittsburgh, PA
● Alexander Layden PhD Epidemiology/MD	2024 - present
○ Dr. Layden is completing and writing 3 papers on: 1) bias in the causal association of COVID and risk of preeclampsia; 2) an empirical analysis of the maternal social/psychosocial/physical environment during the COVID pandemic and the risk of gestational hypertension and preeclampsia; 3) an analysis of placental phthalates, the placental transcriptome, and infant anogenital distance.	
● Rahel Birru PhD Environmental and Occupational Health	2019-2021
○ Dr. Birru completed a post-doc in my laboratory in biomarker-based epidemiology, in vitro placental primary tissue modeling, and health disparity research.	

MASTERS STUDENT MENTORING

University of Pittsburgh School of Public Health	Pittsburgh, PA
● Li An Lai MS in Epidemiology	2018
● Alyssa Monaghan MS in Epidemiology	2018
● Matthew Good MS in Infectious Disease and Microbiology	2018
● Noel Britton MPH in Epidemiology	2017
● Ethan Blum MS in Epidemiology	2016

UNDERGRADUATE STUDENT MENTORING

University of Pittsburgh School of Public Health

Pittsburgh, PA

- Pooja Gupta BS, Honors Biology 2021
- Megan Smith BS, Honors Biology 2020
 - Honors thesis: Sex-specific role of phthalates in altering the first trimester relationship between PPAR γ and human chorionic gonadotropin

GRANTS

Co-Investigator 2022 - 2024
Biomarker Signatures of Parkinson's Disease Using a Novel Progression Model (PI Chahine)
Michael J. Fox Foundation (MJFF-021189)

Consultant 2022 - 2026
Pregnancy and postpartum as vulnerable exposure windows: phthalates and maternal cardiometabolic health (PI James-Todd)
National Institute of Environmental Health Sciences (R01ES033185)

Mentor 2022-2023
Diversity supplement, Predoctoral student (Kharlya Carpio)
National Institute of Environmental Health Sciences (NIEHS, R01ES029336-04S2)

Principal Investigator 2021-2023
Urgent Competitive Revision for NIH Grants to Add or Expand Research Focused on Maternal Health, Structural Racism and Discrimination, and COVID-19
NIEHS/Office of the Director, NIH (R01ES029336-04S1)

Principal Investigator 2018 - 2024
Placental origins of phthalate-induced changes in fetal reproductive development
NIEHS (R01ES029336)

Principal Investigator 2016 - 2018
Placental molecule secretions measured in early pregnancy are targets of endocrine disruption and are indicators of sex-specific fetal development.
NIEHS (R56ES025728-01A1)

Co-Investigator 2016 - 2018
Prenatal and Early Childhood Pathways to Health (PI C. Karr)
NIH/OD ECHO (1UG3OD023271)

Principal Investigator 2010 - 2016
Phthalates and Trophoblast Differentiation: from biology to biomarkers
NIEHS (K99/R00ES017780)

Other competitive sources of funding: Science Innovation Fund, The Passport Foundation; Pilot Research Awards for Early Career Investigators utilizing the CTSI - Clinical Research Services

NIH/NCCR; Mount Zion Health Fund; University of Pittsburgh Capital Project Award;
University of Pittsburgh Central Research Development Fund; University of Pittsburgh Graduate
School of Public Health Cura Zika Alliance

PUBLICATIONS

- Meeker JJ, McArthur KL, **Adibi JJ**, Alshwabkeh AN, Barrett ES, Brubaker SG, Cordero JF, Dabelea D, Dunlop AL, Herbstman JB, Kahn LG, Karr CJ, Mehta-Lee S, O'Connor TG, Sathyanarayana S, Trasande L, Kuiper JK, On Behalf of Program Collaborators For Environmental Influences On Child Health Outcomes. Urinary Concentrations of Phthalate Metabolites in Relation to Preeclampsia and Other Hypertensive Disorders of Pregnancy in the Environmental Influences on Child Health Outcomes (ECHO) Program. *Environmental Intl.* Apr 20;187:108678. PMID: 38696977.
- Liang HW, Koistinen H, Barrett ESB, Xun X, Yin Q, Kurunthachalam K, Moog N, Ng C, O'Connor T, Miller R, **Adibi JJ**. Associations of serum perfluoroalkyl substances and placental human chorionic gonadotropin in early pregnancy, measured in the UPSIDE study in Rochester, NY. *Env Health Perspect.* Apr 2024 132:4. PMID 38625811.
- Yin Q, Jeong JH, Qin X, Peddada SD, **Adibi JJ**. Mediation Analysis using Semi-parametric Shape-Restricted Regression with Applications. *Sankhya B.* 2024. <https://doi.org/10.1007/s13571-024-00336-w> (in proof).
- **Adibi JJ**, Zhao Y, Koistinen H, Mitchell RT, Barrett ES, Miller R, O'Connor T, Xun X, Liang HW, Birru R, Smith M, Moog NK. Molecular pathways in placental-fetal development and disruption. *Mol Cell Endocrinol.* 2024 Feb 1; 581. PMID: 37852527.
- Layden AJ, Bertolet M, Parks WT, **Adibi JJ**, Roberts JM, Catov JM. Prepregnancy obesity and risk of placental inflammation at term: a selection bias analysis. *Ann Epidemiol.* Oct 2023 86:25-33. PMID: 37302673.
- Thomas CE, **Adibi JJ**, Kuipers AL, Diergaarde B, Luu HN, Jin A, Koh WP, Gao YT, Adams-Haduch J, Wang R, Lokshin A, Behari J, Yuan JM. Soluble CD137 and risk of hepatocellular carcinoma: nested case-control studies in cohorts in Shanghai and Singapore. *Br J Cancer.* June 2023 128(11): 2081-2088. PMID: 36977826.
- Rajagopalan V, Schmithorst V, El-Ali A, Reynolds W, Lee V, Wallace J, Weinberg J, Johnson J, Votava-Smith J, **Adibi JJ**, Panigrahy A. Associations between Maternal Risk Factors and Intrinsic Placental and Fetal Brain Functional Properties in Congenital Heart Disease. *Int J Mol Sci.* 02 Dec 2022; 23(23):15178. PMID: 36499505.
- Xun X, Qin X, Layden AJ, Yin Q, Swan SH, Barrett ES, Bush NR, Sathyanarayana S, **Adibi JJ**. Application of 4-way decomposition to the analysis of placental-fetal biomarkers as intermediary variables between maternal body mass index and birthweight. *Frontiers in Reproductive health.* 05 December 2022; PMID: 36545491.
- **Adibi JJ**, Christiansen S, Fenton SE, Holloway A, Patisaul HB. Editorial: Women in developmental and reproductive toxicology: 2021. *Front Toxicol.* 2022;4:1026314. PMID: 36262336.
- Liang HW, Snyder N, Wang J, Xun X, Yin Q, LeWinn K, Carroll KN, Bush NR, Kannan K, Barrett ES, Mitchell RT, Tylavsky F, **Adibi JJ**. A study on the association of placental and maternal urinary phthalate metabolites. *J Expo Sci Environ Epidemiol.* Mar 33(2): 264-272. PMID: 36114292.

- Seymore TN, Rivera-Núñez Z, Stapleton PA, **Adibi JJ**, Barrett ES. Phthalate exposures and placental health in animal models and humans: a systematic review. *Toxicological Sciences* 2022;188(2):153-79. PMID: 35686923.
- Thomas CE, Diergaarde B, Kuipers AL, **Adibi JJ**, Luu HN, Chang X, Dorajoo R, Heng CK, Khor CC, Wang R, Jin A, Koh WP, Yuan JM. NAFLD polygenic risk score and risk of hepatocellular carcinoma in an East Asian population. *Hepatol Commun*. 2022 May. PMID: 35503778.
- Layden AJ, Bertolet M, Parks WT, Roberts JM, **Adibi JJ**, Catov JM. Latent class analysis of placental histopathology: a novel approach to classifying early and late preterm births. *Am J Obstet Gynecol*. 2022 Aug; 227(2): 290.e1-290.e21. PMID: 35288092.
- Birru RL, Liang HW, Farooq F, Bedi M, Feghali M, Haggerty CL, Mendez DD, Catov JM, Ng CA, **Adibi JJ**. A pathway level analysis of PFAS exposure and risk of gestational diabetes mellitus. *Environmental Health*. 2021 May 22; 20(1):63. PMID: 34022907.
- Yin Q, Xun X, Peddada SD, **Adibi JJ**. Shape Detection Using Semi-Parametric Shape-Restricted Mixed Effects Regression Spline with Applications. *Sankhya B (2008)* 83, 65–85 (2021). PMID: 35392640.
- **Adibi JJ**, Layden AJ, Yin Q, Xun X, Peddada S, Birru RL. A toolkit for the application of placental-fetal molecular biomarkers in epidemiologic studies of the fetal origins of chronic disease. *Current Epidemiology Reports*. 2021 Mar; 8(1):20-31. PMID: 33777648 (invited)
- **Adibi JJ**, Xun X, Zhao Y, Yin Q, LeWinn K, Bush NR, Panigrahy A, Peddada S, Alftan H, Stenman UH, Tylavsky F, Koistinen H. Second-Trimester Placental and Thyroid Hormones Are Associated With Cognitive Development From Ages 1 to 3 Years. *Journal of the Endocrine Society*. 2021 Feb 23; 5(5):bvab027. PMID: 33928202.
- O'Connor T, Best M, Brunner J, Ciesla AA, Cunning A, Kapula N, Kautz A, Khoury L, Macomber A, Meng Y, Miller RK, Murphy H, Salafia CM, Vallejo Sefair A, Serrano J, Barrett E; UPSIDE study: **Adibi J**, Aleksunes L, Caserta M, Groth S, Katzman P, Pressman E, Qiu X, Rivera-Nunez Z, Scheible K, Shah R, Thornburg L, Thurston S. Cohort profile: Understanding Pregnancy Signals and Infant Development (UPSIDE): a pregnancy cohort study on prenatal exposure mechanisms for child health. *BMJ Open*. 2021 Apr 1; 11(4):e044798. PMID: 33795306.
- **Adibi JJ**, Layden AJ, Birru RL, Miragaia A, Xun X, Smith MC, Yin Q, Millenson ME, O'Connor TG, Barrett ES, Snyder NW, Peddada S, Mitchell RT. First trimester mechanisms of gestational sac placental and foetal teratogenicity: a framework for birth cohort studies. *Human Reproductive Update*. 2021 Mar 1; dmaa063. PMID: 33675653
- **Adibi JJ**, Zhao Y, Zhan LV, Kapidzic M, Larocque N, Koistinen H, Huhtaniemi IT, Stenman UH. An Investigation of the Single and Combined Phthalate Metabolite Effects on Human Chorionic Gonadotropin Expression in Placental Cells. *Environmental Health Perspectives*. 2017 Oct 31; 125(10):107010. PMID: 29089286.
- **Adibi JJ**, Buckley JP, Lee MK, Williams PL, Just AC, Zhao Y, Bhat HK, Whyatt RM. Maternal urinary phthalates and sex-specific placental mRNA levels in an urban birth cohort. *Environmental Health*. 2017 Apr 5; 16(1):35. PMID: 28381288.
- **Adibi JJ**, Zhao Y. Placental Transfer of Maternal Obesity: Identifying the Gatekeeper. *Endocrinology*. 2017 Aug 1; 158(8):2439-2440. PMID: 28838142.

- **Adibi JJ**, Zhao Y, Cartus AR, Gupta P, Davidson LA. Placental Mechanics in the Zika-Microcephaly Relationship. *Cell Host & Microbe*. 2016 Jul 13; 20(1):9-11. PMID: 27414496.
- **Adibi JJ**, Marques ETA Jr, Cartus A, Beigi RH. Teratogenic effects of the Zika virus and the role of the placenta. *Lancet (Lond)*. 2016 Apr 9; 387(10027):1587-1590. PMID: 26952548.
- **Adibi JJ**, Lee MK, Saha S, Boscardin WJ, Apfel A, Currier RJ. Fetal sex differences in human chorionic gonadotropin fluctuate by maternal race, age, weight and by gestational age. *Journal of Developmental Origins of Health and Disease*. 2015 Dec; 6(6):493-500. PMID: 26242396.
- **Adibi JJ**, Lee MK, Naimi AI, Barrett E, Nguyen RH, Sathyanarayana S, Zhao Y, Thiet MP, Redmon JB, Swan SH. Human Chorionic Gonadotropin Partially Mediates Phthalate Association With Male and Female Anogenital Distance. *The Journal of Clinical Endocrinology and Metabolism*. 2015 Sep; 100(9):E1216-24. PMID: 26200238.
- Hromatka BS, Ngeleza S, **Adibi JJ**, Niles RK, Tshetu AK, Fisher SJ. Histopathologies, immunolocalization, and a glycan binding screen provide insights into Plasmodium falciparum interactions with the human placenta. *Biology of Reproduction*. 2013 Jun 20; 88(6):154. PMID: 23575149.
- Whyatt RM, Liu X, Rauh VA, Calafat AM, Just AC, Hoepner L, Diaz D, Quinn J, **Adibi J**, Perera FP, Factor-Litvak P. Maternal prenatal urinary phthalate metabolite concentrations and child mental, psychomotor, and behavioral development at 3 years of age. *Environmental Health Perspectives*. 2012 Feb; 120(2):290-5. PMID: 21893441.
- Just AC, **Adibi JJ**, Rundle AG, Calafat AM, Camann DE, Hauser R, Silva MJ, Whyatt RM. Urinary and air phthalate concentrations and self-reported use of personal care products among minority pregnant women in New York City. *Journal of Exposure Science & Environmental Epidemiology*. 2010 Nov; 20(7):625-33. PMID: 20354564.
- **Adibi JJ**, Whyatt RM, Hauser R, Bhat HK, Davis BJ, Calafat AM, Hoepner LA, Perera FP, Tang D, Williams PL. Transcriptional biomarkers of steroidogenesis and trophoblast differentiation in the placenta in relation to prenatal phthalate exposure. *Environmental Health Perspectives*. 2010 Feb; 118(2):291-6. PMID: 20123604.
- Whyatt RM, **Adibi JJ**, Calafat AM, Camann DE, Rauh V, Bhat HK, Perera FP, Andrews H, Just AC, Hoepner L, Tang D, Hauser R. Prenatal di(2-ethylhexyl)phthalate exposure and length of gestation among an inner-city cohort. *Pediatrics*. 2009 Dec; 124(6):e1213-20. PMID: 19948620.
- **Adibi JJ**, Hauser R, Williams PL, Whyatt RM, Thaker HM, Nelson H, Herrick R, Bhat HK. Placental biomarkers of phthalate effects on mRNA transcription: application in epidemiologic research. *Environmental Health : A Global Access Science Source*. 2009 Apr 23; 8:20. PMID: 19389254.
- **Adibi JJ**, Hauser R, Williams PL, Whyatt RM, Calafat AM, Nelson H, Herrick R, Swan SH. Maternal urinary metabolites of Di-(2-Ethylhexyl) phthalate in relation to the timing of labor in a US multicenter pregnancy cohort study. *American Journal of Epidemiology*. 2009 Apr 15; 169(8):1015-24. PMID: 19251754.
- **Adibi JJ**, Whyatt RM, Williams PL, Calafat AM, Camann D, Herrick R, Nelson H, Bhat HK, Perera FP, Silva MJ, Hauser R. Characterization of phthalate exposure among pregnant women assessed by repeat air and urine samples. *Environmental Health Perspectives*. 2008 Apr; 116(4):467-73. PMID: 18414628.

- **Adibi JJ**, Perera FP, Jedrychowski W, Camann DE, Barr D, Jacek R, Whyatt RM. Prenatal exposures to phthalates among women in New York City and Krakow, Poland *Environmental Health Perspectives*. 2003 Nov; 111(14):1719-22. PMID: 14594621.
- Akhmedkhanov A, Revich B, **Adibi JJ**, Zeilert V, Masten SA, Patterson DG Jr, Needham LL, Toniolo P. Characterization of dioxin exposure in residents of Chapaevsk, Russia. *Journal of Exposure Analysis and Environmental Epidemiology*. 2002 Nov; 12(6):409-17. PMID: 12415489.
- Schecter A, Piskac AL, Grosheva EI, Matorova NI, Ryan JJ, Fürst P, Pöpke, **Adibi J**, Pavuk M, Silver A, Ghaffar S. Levels of dioxins and dibenzofurans in breast milk of women residing in two cities in the Irkutsk Region of Russian Siberia compared with American levels. *Chemosphere*. 2002 Apr; 47(2):157-64. PMID: 11993631.
- Schecter A, Pavuk M, Amirova DA, Grosheva EI, Pöpke, Ryan JJ, **Adibi J**, Piskac AL. Characterization of dioxin exposure in firefighters, residents, and chemical workers in the Irkutsk Region of Russian Siberia. *Chemosphere*. 2002 Apr; 47(2):147-56. PMID: 11993630.

TRAINING FELLOWSHIPS

Community-Engaged Scholarship Project Development Cohort, Office of Community Engagement & Community Affairs, University of Pittsburgh	2023 - 2024
Social Justice Fellowship, Office of Health Sciences Diversity, Equity and Inclusion	2022
Prenatal Screening Fundamentals and Innovation, Institute for Preventive Medicine and Medical Screening/Savjani Institute for Health Research	2014
Clinical and Translational Science Institute (CTSI) K Scholars Program, University of California, San Francisco	2011
Science Communications Fellow, Environmental Health Sciences	2008
2nd Annual Summer Institute in Maternal-Fetal Pharmacology, sponsored by the National Institute of Child Health and Human Development and the Canadian Institutes of Health Research (IHDCYH).	2006
Trainee, Bhat Lab, Department of Environmental Health Sciences, Mailman School of Public Health (PI: Dr. Hari Bhat), New York, NY	2003 - 2008
Trainee, Female Reproductive Toxicology Laboratory, National Institute of Environmental Health Sciences (PI: Dr. Barbara Davis), Research Triangle Park, NC	2003 - 2005

INVITED LECTURES

2023: Applying placental conditioned media to fetal gonads to assess placental regulation of fetal endocrine disruption, *Awardee conference, Intersectoral Centre for Endocrine Disruptor Analysis (ICEDA)*.

2022:

- Can We Generalize to a Model of Teratogenic Actions of the Placenta, Using Lessons Learned from Established Viral and Other Teratogens? *Evaluation of Birth Defects Due to Teratogenic versus Genetic Effects in Perinatal Pathology, Society for Pediatric Pathology, Rochester, NY.*

- Placental PPAR γ and human chorionic gonadotropin: a mechanism to explain sex-specific phthalate toxicity? *Observing the unobservable: using human fetal tissues to improve generalisability and reproducibility of experimental models in developmental toxicity studies. The International Congress of Toxicology. Maastricht, The Netherlands.*
- Placental origins of phthalate toxicity: Are measures of placental effects essential to accurate estimation of fetal effects? *The Gordon Research Conference on Environmental Endocrine Disruptors, Sunday River, ME.*

2021: Phthalate exposures and effects on a placental ‘DOHADogen’: a second wave of findings. *Annual meeting of the U.S. Society on the Developmental Origins of Health and Disease. Chapel Hill, NC.*

2019: Teratogenicity: In search of a universal model of the placental role from known mechanisms. Teratology Society annual meeting. *Symposium, Environmental Exposures from Placenta to Birth: Effects on Immunity. Society for Birth Defects Prevention. San Diego, CA.*

2018:

- Phthalate exposure and placental-fetal mechanisms of endocrine disruption. *Diving deep: mechanisms of endocrine disruptors in pregnancy and relevant biomarkers. International Society for Environmental Epidemiology, Ottawa, Canada.*
- Placental Endocrine Disruption: A critical link between maternal exposure and child health. *Michigan Center on Lifestage Environmental Exposures and Disease, Ann Arbor, MI.*
- Placental hormones: a short-term alert system to the long-term health effects of chemical exposures in pregnancy. *One Health One Planet Symposium: Health Impacts: Chemicals of Concern in the Environment. Phipps Conservatory, Pittsburgh, PA.*

2017:

- Building Bridges between Epidemiology and Toxicology: Pregnancy, Phthalates, and the Health of the Child. *Toxicology Seminar Series, University of Illinois, Urbana, IL.*
- Placental hCG in early pregnancy is a sex-specific target of phthalate exposure and a mediator of development. *9th Copenhagen Workshop on Endocrine Disruptors, Copenhagen, Denmark.*

2016:

- A light shines through the trees: fluid-filled bulb formation from placental villous explants in long-term culture. *Late breaking abstract presentation at the International Federation of Placenta Associations, Portland, OR*
- The Placenta: A Battleground of Viruses, Plastics, and Hormones. *Keystone Seminar Series, National Institute of Environmental Health Sciences, Research Triangle Park, NC.*
- Does the placenta help or hinder the effects of Zika on the unborn baby? *Cura Zika Symposium, University of Pittsburgh School of Public Health, Pittsburgh, PA.*

2015:

- Placental human chorionic gonadotropin is associated with sex-specific development and the response to endocrine disruptors. *ENDO, San Diego, CA.*
- Plastics, Placentas, Genitals, and Small Nucleolar RNAs. *Science 2015 - Unleashed! University of Pittsburgh; Pittsburgh, PA.*
- Plastics, Placentas, Genitals, and Small Nucleolar RNAs. *Environment and Sexual Dimorphism. Presented at 9th World Congress of Developmental Origins of Health and Disease, Capetown, S. Africa.*

ACADEMIC SERVICE

Race and Health Committee, Center on Race and Social Problems, University of Pittsburgh	2023
Judge, Research Day, Department of Infectious Disease and Microbiology	2022
Preliminary examination committee, Department of Epidemiology	2021 - 2023
Committee on Precision Public Health, Department of Epidemiology	2021
Social Justice Action Committee (SJAC), Pitt Public Health	2020
Healthy Environment Subcommittee, The Pittsburgh Study	2020 -
Medical Scientist Training Program (MSTP), University of Pittsburgh/Carnegie Mellon University	2019 -
Center for Health Equity, Pitt Public Health	2017 -
Fulbright Committee, University of Pittsburgh	2017 -
Judge, Dean's Day, Pitt Public Health	2015-2016
Curriculum Committee, Department of Epidemiology	2014 - 2021
Jonas Salk Centenary Symposium on Sustainability: Survival of the Wisest	2013 - 2014

LEADERSHIP

Endocrine Disrupting Chemicals (EDC) Special Interest Group, The Endocrine Society	2023 -
Member, Society for Epidemiologic Research, Podcast committee	2021
Invited Co-Chair, Placenta Intra and Extracellular Vesicle Trafficking Impacts, ENDO	2021
Guest Editor, Women in Developmental and Reproductive Toxicology 2021, Frontiers in Toxicology	2021
Invited Chair, Maternal Fetal Interactions for Healthy Gestation, ENDO	2019
Member, Science Advisory Board, Women for a Healthy Environment	2018 -
Invited Co-Chair, Female Reproductive Endocrinology: From Pregnancy to Menopause, Endocrine Society Annual Meeting, ENDO	2017
Member, Member, Editorial Review Board, Environmental Health Perspectives	2017-

PRESENTATIONS

1. **Adibi JJ**, Liang HW, Xun X, Carpio K, O'Connor TG, Moog NK, Koistinen H, Barrett ES. An exploratory analysis to understand the race difference in serum levels of human chorionic gonadotropin in early pregnancy. Health Disparities Poster Preview session. ENDO. The Endocrine Society. Boston, MA, June 1, 2024. [Oral and poster]
2. **Carpio, K.**, Pharrams, S., Tyler, D., Richardson, A., Hipwell., A, Catov, J., Marquez, E., Adibi, J.J. A Combined Questionnaire and Biomarker Analysis of the Impact of the 2020-2021 COVID Pandemic on Stress and Placental-Maternal Health. Healthy Start. Igniting Systems Change, Exploring Strategies for Maternal & Child Health. Pittsburgh, PA. May 30th, 2024. [Poster presentation]
3. Liang HW, Wang J, Snyder N, DeFranco D, Catov J, **Adibi JJ**. A measurement error analysis of prenatal phthalate effects on an infant outcome. Society for Epidemiologic Research. Austin, TX. June 2024. [Poster presentation]

4. **Carpio K**, Tyler D, Koistinen H, Catov J, Adibi JJ. Examining the standard practice of race adjustment in prenatal screening biomarkers: a first step in a larger investigation. Society for Epidemiologic Research. Austin, TX. June 2024. [Poster presentation]
5. **Adibi JJ**. Phthalates and anti-androgenic effects in pregnancy: consistency between observational and experimental findings. International Society of Environmental Epidemiology, Taiwan, September 2023. [Oral presentation]
6. Awardee conference, Awardee conference, Intersectoral Centre for Endocrine Disruptor Analysis (ICEDA), (virtual) 2023.
7. Carpio, K., **Adibi J.J**, Swanson, S., Qin, X., Mendez, D., Roberts, J. Applying the emulation of a target trial approach to identify neighborhood level intervention strategies on the risk of preeclampsia. Society for Epidemiologic Research. Portland, OR. June 15th, 2023. [Oral presentation]
7. Carpio, K., Catov, J., Pharrams, S., Richardson, A., Hipwell, A., Rick, A.M., Marques, E.T.A., Rinaldo, C., Qin, X., Gopalan, P., Spada, M., Tyler, D., **Adibi, J.J.**, Maternal Weight Gain and Blood Pressure Two Years after Delivery in the Context of the COVID-19 Pandemic. NIH Maternal health & PRegnancy Outcomes Vision for Everyone (IMPROVE) Initiative. IMPROVE Awardee Workshop. March 9th, 2023. [Abstract]
8. Social Justice Fellowship Commencement, University of Pittsburgh, 2022.
9. Departmental Seminar, Department of Environmental and Occupational Health, University of Pittsburgh School of Public Health, 2022.
10. Departmental Seminar, Department of Pharmacology, University of Pittsburgh, 2022.
11. Why Plastic? A series of 3 new films. Pittsburghers Against Single Use Plastic, Facebook Live, 2022.
12. Liang HW, Greenald G, Birru R, Zhao Y, Koistinen H, Mitchell R, Wang J, **Adibi JJ**. Reuniting the placenta and the fetus ex vivo to evaluate phthalate toxicity to the male gonad. Society for Birth Defects Prevention, Vancouver, Canada. July, 2022 [poster]
13. **Liang HW** et al. Poster presentation at the Gordon Research Conference on Environmental Endocrine Disruptors. Sunday River, ME 2022.
14. **Xun X** et al. Oral presentation at the Gordon Research Seminar on Environmental Endocrine Disruptors. Sunday River, ME 2022.
15. **Yin Q** et al. Oral presentation at the Biostatistics Research Day 2021 and American Statistical Association (ASA) Pittsburgh Chapter Spring Banquet 2021, Joint Statistical Meeting, 2021 (virtual).
16. **Layden AJ** et al. Oral presentation at the Society for Pediatric and Perinatal Epidemiologic Research, 2021 (virtual).
17. **Layden AJ** et al. Poster presentation at Dean's Day 2021. Won first place in Doctoral category.
18. Fall Convening — Plastic and Recycling, The State Energy and Environmental Impact Center, NYU School of Law, 2021 (virtual)

19. **Smith M** et al. Poster presentation at the International Society for Environmental Epidemiology, 2020 (virtual).
20. **Liang HW** et al. Poster presentation at International Society for Environmental Epidemiology, 2020 (virtual).
21. **Yin Q** et al. Poster presentation at Biostatistics Research Day 2020 (Honorable mention) and ENAR (Eastern North American Region International Biometric Society), 2020.
22. Plastics and Health, Annual Fundraiser, Women for a Healthy Environment, Pittsburgh Golf Club, Pittsburgh, PA, 2019.
23. **Yin Q** et al. Poster presentation at The Society for Perinatal and Pediatric Epidemiology, Minneapolis, MN, 2019.
24. **Xun X** et al. Poster presentation. The Society for Perinatal and Pediatric Epidemiology, Minneapolis, MN, 2019.
25. Poster presentation. The Endocrine Society. New Orleans, LA, 2019.
26. Poster presentation. Society for Reproductive Investigation. Paris, France, 2019.
27. Department of Environmental Health Sciences, Mailman School of Public Health, Columbia University; New York, NY, 2018.
28. Poster presented at the Society for Epidemiologic Research, Baltimore, MD, 2018
29. Poster session presented at The Endocrine Society, Orlando, FL, 2017.
30. Oral presentation at the Society for Epidemiologic Research, Seattle, Washington, 2017.
31. Department of Epidemiology Seminar Series, University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA, 2017.
32. Spectroscopy Society of Pittsburgh, Duquesne University; Pittsburgh, PA, 2017.
33. **Lin HS** et al. Poster presented at the International Symposium of Environmental Medicine, Taiwan, 2015.
34. Two posters presented at the Society of Epidemiologic Research, Denver, CO, 2015.
35. Getting the crap out of our bodies: clean diets for pregnant women. Presented at Kinks, Locks, and Twists Conference: Health. Beauty. Environment. Kaufmann Center, Hill House Association, Pittsburgh, PA, 2015.
36. Community Form titled, "Protecting our Children's Health: How our Environment Plays a Role." Sponsored by Women for a Healthy Environment and The Heinz Endowments. Kaufmann Center, Hill House Association; Pittsburgh, PA, 2015.
37. Magee-Womens Research Institute's Work-in-Progress (WIP) Conference & Research Seminar Series; Pittsburgh, PA, 2014.
38. Clean Foods and the Fetus. Presented at Mission and Community Needs Committee, Magee-Womens Hospital of UPMC, Pittsburgh, PA, 2014.
39. Department of Environmental and Occupational Health Seminar Series, University of Pittsburgh Graduate School of Public Health; Pittsburgh, PA, 2014.

40. Department of Epidemiology Departmental Seminar. University of Pittsburgh School of Public Health; Pittsburgh, PA, 2014.
41. Poster presented at the Endocrine Society Meeting, San Francisco, CA, 2013.
42. Department of Pathology and Laboratory Medicine, Brown University; Providence RI, 2013.
43. UCSF Center for Reproductive Sciences Work in Progress; San Francisco, CA, 2013.
44. Department of Preventive Medicine, Icahn School of Medicine at Mt. Sinai, New York, NY, 2013.
45. March of Dimes Prematurity Center, Stanford University School of Medicine, Stanford, CA, 2012.
46. Kaiser Permanente Division of Research, Oakland, CA, 2012.
47. Department of Epidemiology, University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA, 2012.
48. Retreat of the UCSF Center for Reproductive Sciences; San Francisco, CA, 2012.
49. UCSF Center for Reproductive Sciences Work in Progress; San Francisco, CA, 2011.
50. Magee Women's Research Institute; Pittsburgh, PA, 2011.
51. Retreat of the UCSF Center for Reproductive Sciences; San Francisco, CA, 2010
52. Current Topics in Reproductive and Child Health Seminar Series, Division of Epidemiology, Statistics, and Prevention Research (DESPR), National Institute of Child Health and Development (NICHD), 2008.
53. Grand Rounds, Department of Obstetrics and Gynecology, University of Rochester; Rochester, NY, 2008.

SERVICE AS A REVIEWER

Manuscript review: Environmental Health, Epidemiology, Journal of American Medical Association, Journal of Exposure Science and Environmental Epidemiology, Molecular and Cellular Endocrinology, Trends in Endocrinology and Metabolism, Placenta, Endocrinology, Environmental Health Perspectives, American Journal of Epidemiology, Cell Host Microbe, Total Environment, Reproductive Sciences, Reproductive Toxicology, Biological Research, Journal for the Developmental Origins of Health and Disease, Plos One, Human Reproduction, Environment International, Frontiers in Public Health, International Journal of Hygiene and Environmental Health, Pediatric Research, American Journal of Obstetrics and Gynecology, Journal of Pediatric and Perinatal Epidemiology, Toxicology Reports, Scientific Reports, Frontiers in Toxicology, Oxford University Press (Book proposal), Archives in Toxicology, Human Reproduction online, Journal of Hazardous Materials

Government report review:

- National Academy of Sciences
- U.S. Environmental Protection Agency
- Massachusetts Department of Public Health
- Office of International Activities, U.S. Environmental Protection Agency

Grant review:

- Eunice Kennedy Shriver National Institute of Child Health and Development
- National Institute of Environmental Health Sciences
- The Infectious, Reproductive, Asthma and Pulmonary Conditions (IRAP) Study Section, Center for Scientific Review, National Institutes of Health
- Center for Environmental Health and Susceptibility (CEHS), University of North Carolina
- Endocrinology, Metabolism, Nutrition, and Reproductive Sciences (EMNR) Integrated Review Group (IRG), Center for Scientific Review, National Institutes of Health
- Integrated Clinical Endocrinology and Reproduction (ICER) Study Section, Center for Scientific Review, National Institutes of Health
- The European Environment Agency and the European Commission, INSERM, Paris, France.
- The Implementation Group, Washington DC.
- Harvard Center for Environmental Health
- Health Canada's Chemicals Management Plan Research Fund

PROFESSIONAL EXPERIENCE

Harvard T.H. Chan School of Public Health Boston, MA

Project Coordinator, US-Russian World Bank project on air pollution 1998 - 2000

Project Coordinator, US-Russian collaboration on persistent organic pollutants and health

- Coordinated a multi-site research study in Russia on air pollution and health effects.
- Designed and organized a training program in research methods on persistent organic pollutants for Russian scientists at U.S. public health governmental and university laboratories.

CEC International Partners New York, NY

Director, EcoBridge 1994 - 1998

- Designed and coordinated US-Russian high school exchange program in environmental education, funded by US Agency for International Development.
- Designed and conducted US-Russian projects to support grassroots initiatives on chemical contamination and environmental health research and advocacy, funded by foundations and by the U.S. E.P.A.

ISAR: Initiative for Social Action and Renewal in Eurasia Nizhniy Novgorod, Russia

Volga Region Representative 1992 - 1994

- Provided technical assistance to environmental activists and scientists in the Volga Region of Russia: provided email equipment and connections, applied for small grants, identified US partners, translated documents, served as translator in meetings.
- Contributed content in Russian to a local newspaper on environmental issues, *Bereginia*.