FRANCES ANNE CHAMPAGNE

University of Texas at Austin
Department of Psychology
108 E. Dean Keeton
Austin, TX 78712-1043
(512) 232-3401
Email: fchampagne@utexas.edu
Website: https://labs.la.utexas.edu/champagne/

Education/Employment

- Associate Chair for Academic Affairs — 2023-present
  Department of Psychology
  University of Texas at Austin
- Associate Chair for Faculty and Student Affairs — 2019-2023
  Department of Psychology
  University of Texas at Austin
- Professor — 2017-present
  Department of Psychology
  University of Texas at Austin
- Adjunct Associate Professor — 2017-2021
  Department of Psychology
  Columbia University
- Vice-Chair — 2016-2017
  Department of Psychology
  Columbia University
- Associate Professor — 2011-2017
  Department of Psychology
  Columbia University
- Assistant Professor — 2006-2011
  Department of Psychology
  Columbia University
- Post-Doctoral Fellow — 2004 - 2006
  Sub-Department of Animal Behaviour
  University of Cambridge, Cambridge, UK
- Ph.D., Neurology and Neurosurgery
  McGill University, Montreal, Quebec — 1999 - 2004

- Masters of Science, Psychiatry
  McGill University, Montreal, Quebec 1997 - 1999

- Bachelor of Arts, Honours Psychology
  Queen`s University, Kingston, Ontario 1991- 1995

Awards/Distinctions/Appointments

2022	Outstanding Graduate Advisor Award, UT Austin
2021	President, Society for Behavioral Neuroendocrinology
2020	Chair, Whole Communities Whole Health (UT Bridging Barriers)
2019	President-Elect, Society for Behavioral Neuroendocrinology
2019	Graduate Advisor, Department of Psychology, UT Austin
2019	Associate Chair for Faculty and Student Affairs, Department of Psychology, UT Austin
2019	Fellow of the Association for Psychological Science
2019	Member, American College of Neuropsychopharmacology
2018	Member, UT Institute for Cellular and Molecular Biology
2018	Executive Committee Member, Institute for Neuroscience, University of Texas at Austin
2017	Faculty Research Associate, UT Population Research Center
2017	Member, Institute for Neuroscience Graduate Studies Committee
2016	Faculty appointment, Columbia University Psychiatric Epidemiology Training Program (PET)
2013	Lenfest Distinguished Columbia Faculty Award
2011	Faculty appointment, Columbia Population Research Center (CPRC)
2009	Frank A. Beach Young Investigator Award in Behavioral Neuroendocrinology
2008	Sackler Scientist, Columbia Sackler Institute for Developmental Psychobiology
2007	NIH Director's New Innovator Award
2006	Faculty appointment, Doctoral Program in Neurobiology & Behavior, Columbia University
2004	CIHR Postdoctoral Fellowship
2004	Dean's Honour List, McGill University
2003	NPV Nair Award
	Alma Mater Travel Award
2002	Canadian Institute of Health Research Brain Star Award
	Society for Behavioral Neuroendocrinology Travel Award
	Society for Behavioral Neuroendocrinology Poster Award
	Alma Mater Travel Award
2001	NPV Nair Award
	Neuroscience Research Presentation Award
	Alma Mater Travel Award
2000	Alma Mater Travel Award
1999	Medical Research Council Doctoral Award
1999	J.W. McConnell Memorial McGill Major Fellowship
	NSERC Postgraduate Scholarship
1995	Dean`s Special Award, Queen`s University
	Dean's Honour List, Queen's University
1994	Dean`s Special Award, Queen`s University
	Dean's Honour List, Queen's University
1992	Dean`s Special Award, Queen`s University
	Dean's Honour List, Queen's University
1991	Teleglobe Canada Tuition Scholarship

Research Grants

Current Funding:

2022-2027
NIAAA 1R01AA029090-01A1
Co-Investigator
Prediction of Alcohol Use Disorder and PTSD After Trauma in Adolescents
This project explores the relationship of AUD and PTSD in adolescents exposed to acute trauma by focusing on biological predictors of AUD and/or PTSD development.

2021-2024
NIEHS 1R01ES030950
Co-Investigator
Environmental bisphenol exposure, infant brain and behavior: Human and animal models
The goal of this project is to leverage human and animal studies to understand the impact of direct bisphenol exposure and indirect effects via maternal care on cognitive outcomes in infancy.

2018-2028
University of Texas, Office of the Vice President of Research
UT Bridging Barriers Initiative – Whole Communities Whole Health.
A ten-year initiative to integrate technology and community engagement in the study of the social and environmental determinants of health with an estimated total budget of 10M.

2018-2023
NIMH 1R01MH117293-01
Co-Investigator
Understanding PTSD through Postmortem Targeted Brain Multi-omics
The goal of this project is to conduct epigenomic analyses of the hippocampus, amygdala and frontal cortex in post-mortem brain tissue to determine the association with PTSD and depression.

2018-2023
NIA 1 R01 AG058683-01A1
Co-Investigator
Child maltreatment and risk for mild cognitive impairment and Alzheimer's disease
The goal of this project is to determine the impact of childhood maltreatment on cognition, immune function and epigenetic aging in middle aged adults

2018-2023
NICHD 1R01HD093707-01
Co-Investigator
Socioeconomic disparities in cognitive & neural development in the first 3 years
The goal of this project is to determine the epigenetic, neurobiological and cognitive effects of poverty in infants.

2017-2022
NIEHS1 R01 ES027424-01
Co-Investigator
Prenatal endocrine-disrupting chemicals and social/cognitive risk in mothers and infants: Potential biologic pathways

The goal of this project is to determine the impact of prenatal exposure to bisphenols on mother and infant epigenetic and behavioral outcomes related to social interactions and cognition.

Previous Funding:
2016-2017
Irving Institute for Clinical and Translational Research of Columbia University:
Phase II Collaborative and Multidisciplinary Pilot Research (CaMPR) Award
Co-Investigator
Stress reactivity in mitochondrial disease: Preliminary investigation of physiological, neural, and epigenetic mechanisms
This proposal tests the hypothesis that mitochondrial DNA defects in patients with mitochondrial disease lead to abnormal neural connectivity within the brain, and abnormal epigenetic regulation of nuclear genes, which will predict exaggerated neuroendocrine, cardiovascular, and inflammatory responses to stress.

2013-2018
NIMH 1P50MH090964-01A1
Co-Principal Investigator
Antecedents of Suicidal Behavior Related Neurobiology
The Conte Center will employ a multidisciplinary approach to study how reported childhood adversity can mold the diathesis for suicidal behavior. These projects will help elucidate how early adverse experiences affect gene expression and brain biology to increase risk of suicidal behavior later in life.

2011-2017
NIH 1R01MH092580-01A1
Co-Principal Investigator
Prenatal stress: The epigenetic basis of maternal and perinatal effects
This project combines research in humans and in a rodent model exploring the link between prenatal stress, epigenetic dysregulation, and offspring development.

2009-2014
NIEHS 2P01ES009600-11
Co-Principal Investigator
Molecular/disease consequences of prenatal BPA, PAH exposure across generations
This project explores the transgenerational consequences of prenatal exposure to bisphenol A and polycyclic aromatic hydrocarbons for neurodevelopmental, metabolic, and immune outcomes.

2007-2012
NIH 1DP2OD001674-01
Principal Investigator
Epigenetic mechanisms mediating the inheritance of reproductive behavior
This project explores the reproductive consequences of mother-infant interactions in rodents and the role of DNA methylation in mediating these effects.

2010 – 2012
NIH 5R01MH057987-13
Co-Investigator
Central vasopressin receptors and affiliation
This project explores the effects of variation in the vasopressin receptor (V1a) gene promoter for receptor levels/distribution and behavior.

Training Grants:

2014-2018
1P50HG007257-01 Champagne (Co-PI; Steering Committee)
Center for ELSI Research on Psychiatric, Neurologic, and Behavioral Genetics
This project is aimed at establishing a center for studies on the ethical, social, legal implications of studies of genetic risk of neurological, psychiatric, and behavioral disorders.

2010-2015
NIH 1P20HG005535-01 Champagne (Co-PI; Steering Committee)
Center for ELSI Research on Psychiatric, Neurologic, and Behavioral Genetics (P20)
This project is aimed at establishing a training/research forum for studies on the ethical, social, legal implications of studies of genetic risk of neurological, psychiatric, and behavioral disorders.

2012-2017
T32 Translational Neuroscience Behavioral Training Grant

2010-2017
T32 Translational Research Training in Child & Adolescent Psychiatry

2008-2017
T32 Translational Research Training in Neurobiology and Behavior

Research Focus

General:	Behavioral & Developmental Neuroscience
Basic Science:	Neurobiological correlates to individual differences in social/reproductive behavior Impact of maternal behavior on offspring development Biological impact of prenatal adversity Paternal effects on offspring development Epigenetic basis of environmental effects on brain development and behavior Behavioral and epigenetic inheritance of behavior
Translational:	Maternal depression, infant attachment, disease risk associated with environmental toxins, health disparities as a consequence of early social/economic influences, childhood trauma

Publications

Daskalakis NP, Iatrou A, Chatzinakos C, Jajoo A, Snijders C, Wylie D, DiPietro CP, Tsatsani I, Chen CY, Pernia CD, Soliva-Estruch M, Arasappan D, Bharadwaj RA, Collado-Torres L, Wuchty S, Alvarez VE, Dammer EB, Deep-Soboslay A, Duong DM, Eagles N, Huber BR, Huuki L, Holstein VL, Logue MW, Lugenbühl JF, Maihofer AX, Miller MW, Nievergelt CM, Pertea G, Ross D, Sendi MSE, Sun BB, Tao R, Tooke J, Wolf EJ, Zeier Z; PTSD Working Group of Psychiatric Genomics Consortium**; Berretta S, **Champagne FA**, Hyde T, Seyfried NT, Shin JH, Weinberger DR, Nemeroff CB, Kleinman JE, Ressler KJ; PTSD Working Group of Psychiatric Genomics Consortium (2024) Systems biology dissection of PTSD and MDD across brain regions, cell types, and blood. *Science*. 384(6698):eadh3707.

Lauby SC, Lapp HE, Salazar M, Semyrenko S, Chauhan D, Margolis AE, **Champagne FA** (2024) Postnatal maternal care moderates the effects of prenatal bisphenol exposure on offspring neurodevelopmental, behavioral, and transcriptomic outcomes. *PLoS One*. 19(6):e0305256.

Champagne FA, Dosanjh LH, Firestein M. (2024). Epigenetic mechanisms linking prenatal maternal stress to developmental outcomes in infants and children. In: Osofsky, J.D., Fitzgerald, H.E., Keren, M., Puura, K. (eds) *WAIMH Handbook of Infant and Early Childhood Mental Health*. Springer, Cham.

Zapalac K, Miller M, **Champagne FA**, Schnyer DM, Baird B. (2024) The effects of physical activity on sleep architecture and mood in naturalistic environments. *Scientific Reports* 14(1):5637.

Beebe B, Abdurokhmonova, G, Lee SH, Dougalis G, **Champagne F**, Rauh V, Algermissen M, Herbstman J, Margolis AE (2024) Mother-Infant Self- and Interactive Contingency at Four Months and Infant Cognition at One Year: A View from Microanalysis. *Infant Behavior and Development,* 74: 101920.

Lapp HE, Salazar MG, **Champagne FA** (2023) Automated maternal behavior during early life in rodents (AMBER) pipeline. *Scientific Reports* 13(1): 18277.

Curley JP & **Champagne FA** (2023) Shaping the development of complex social behavior. *Annals of the New York Academy of Science* 1530(1): 46-63.

Wijenayake S, Martz J, Lapp HE, Storm JA, **Champagne FA**, Kentner AC (2023) The contributions of parental lactation on offspring development: It's not udder nonsense! *Hormones and Behavior* 153: 105375.

Mashoodh R, Habrylo IB, Gudsnuk K, **Champagne FA** (2023) Sex-specific effects of chronic paternal stress on offspring development are partially mediated via mothers. *Horm Behav* 152:105357.

Margolis, A. E., Lee, S. H., Liu, R., Goolsby, L., **Champagne, F**., Herbstman, J., & Beebe, B. (2023). Associations between prenatal exposure to second hand smoke and infant self-regulation in a New York city longitudinal prospective birth cohort. *Environmental Research*, 115652.

Curley JP, Mashoodh, R, **Champagne FA** (2023) *Transgenerational Epigenetics.* In *Handbook of Epigenetics: The New Molecular and Medical Genetics* (3nd Edition), Editor(s): Trygve O. Tollefsbol, Academic Press.

Lapp HE, Margolis AE, **Champagne FA** (2022) Impact of a bisphenol A, F, and S mixture and maternal care on the brain transcriptome of rat dams and pups. *Neurotoxicology* 93:22-36.

Firestein MR, Romeo RD, Winstead H, Goldman DA, Grobman WA, Haas DM, Parry S, Reddy UM, Silver RM, Wapner RJ, **Champagne FA** (2022) Hypertensive disorders during pregnancy and polycystic ovary syndrome are associated with child communication and social skills in a sex-specific and androgen-dependent manner. *Front Endocrinol (Lausanne)*. 13:1000732.

Lapp HE, Champagne FA (2022) Rodent models for studying the impact of variation in early life mother–infant interactions on mood and anxiety in *Psychiatric Vulnerability, Mood, and Anxiety Disorders: Tests and Models in Mice and Rats, Neuromethods*, vol. 190, Jaanus Harro (ed.), Springer.

Miller M, Symcox C, **Champagne FA** (2022) Epigenetics of Mood Disorders in *The American Psychiatric Association Publishing Textbook of Mood Disorders*, Second Edition, Edited by Nemeroff CB, Schatzberg AF, Rasgon N, Strakowski SM; APA Publishing.

Lee W, Dwortz MF, Milewski TM, **Champagne FA**, Curley JP (2022) Social status mediated variation in hypothalamic transcriptional profiles of male mice. *Horm Behav* 142:105176.

Lee W, Milewski TM, Dwortz MF, Young RL, Gaudet AD, Fonken LK, **Champagne FA**, Curley JP (2022) Distinct immune and transcriptomic profiles in dominant versus subordinate males in mouse social hierarchies. *Brain Behav Immun* 103:130-144.

Fuentes I, Morishita Y, Gonzalez-Salinas S, **Champagne FA**, Uchida S, Shumyatsky GP (2022) Experience-Regulated Neuronal Signaling in Maternal Behavior. *Front Mol Neurosci* 15:844295.

Margolis AE, Liu R, Conceição VA, Ramphal B, Pagliaccio D, DeSerisy ML, Koe E, Selmanovic E, Raudales A, Emanet N, Quinn AE, Beebe B, Pearson BL, Herbstman JB, Rauh VA, Fifer WP, Fox NA, **Champagne FA** (2022) Convergent neural correlates of prenatal exposure to air pollution and behavioral phenotypes of risk for internalizing and externalizing problems: Potential biological and cognitive pathways. *Neurosci Biobehav Rev* 137:104645.

Firestein MR, Romeo RD, Winstead H, Goldman DA, Grobman WA, Haas D, Mercer B, Parker C, Parry S, Reddy U, Silver R, Simhan H, Wapner RJ, **Champagne FA** (2022) Elevated prenatal maternal sex hormones, but not placental aromatase, are associated with child neurodevelopment. *Horm Behav* 140:105125.

Milewski TM, Lee W, **Champagne FA**, Curley JP (2022) Behavioural and physiological plasticity in social hierarchies. *Philos Trans R Soc Lond B Biol* Sci 377(1845):20200443.

McCormack C, Lauriola V, Feng T, Lee S, Spann M, Mitchell A, **Champagne F**, Monk C (2021) Maternal childhood adversity and inflammation during pregnancy: Interactions with diet quality and depression *Brain Behavior and Immunity* 91:172-180.

Trumpff C, Sturm G, Picard M, Foss S, Lee S, Feng T, Cardenas A, McCormack C, **Champagne FA**, Monk C (2021) Added sugar intake during pregnancy: Fetal behavior, birth outcomes, and placental DNA methylation *Developmental Psychobiology* 63(5):878-889

Qiu J, Singh P, Pan G, de Paolis A, **Champagne FA**, Liu J, Cardoso L, Rodríguez-Contreras A. (2020) Defining the relationship between maternal care behavior and sensory development in Wistar rats: Auditory periphery development, eye opening and brain gene expression. *PLoS One* 15(8):e0237933.

Robakis TK, Lee S, Werner E, Liu G, Miller M, Wylie, **Champagne FA**, Salas M, Dod C, Tycko B, Monk C (2020) DNA methylation patterns in T lymphocytes are generally stable in human pregnancies but CD3 methylation is associated with perinatal psychiatric symptoms *Brain, Behavior, & Immunity - Health* 3:100044.

Champagne FA (2020) Dynamic epigenetic impact of the environment on the developing brain. In *Cambridge Handbook of Infant Development* Lockman JL and Tamis LeMonda CS (eds.) Cambridge University Press.

Carlson LM, **Champagne FA**, Cory-Slechta DA, Dishaw L, Faustman E, Mundy W, Segal D, Sobin C, Starkey C, Taylor M, Makris SL, Kraft A (2020) Potential frameworks to support evaluation of mechanistic data for developmental neurotoxicity outcomes: A symposium report. *Neurotoxicol Teratol* 78:106865.

National Academies of Sciences, Engineering, and Medicine (2019) Fostering Healthy Mental, Emotional, and Behavioral Development in Children and Youth: A National Agenda. Washington, DC:*The National Academies Press* https://doi.org/10.17226/25201.

Walsh K, McCormack CA, Webster R, Pinto A, Lee S, Feng T, Krakovsky HS, O'Grady SM, Tycko B, **Champagne FA**, Werner EA, Liu G, Monk C (2019) Maternal prenatal stress phenotypes associate with fetal neurodevelopment and birth outcomes. *Proc Natl Acad Sci U S A* 16(48):23996-24005

Pawluski JL, **Champagne FA**, Bosch OJ (2019) Parental Brain Conference 2018. *J Neuroendocrinol* 31(9):e12789.

Champagne FA (2019) Interplay between paternal germline and maternal effects in shaping development: the overlooked importance of behavioural ecology. *Functional Ecology* 00:1– 13.

Mashoodh R, **Champagne FA** (2019) Paternal Transgenerational Inheritance. In *Transgenerational Epigenetics 2nd Edition*, Tollefsbol T, ed., Academic Press.

Feldman R, Braun A, **Champagne FA** (2019) The neural mechanisms and consequences of paternal caregiving. *Nat Reviews Neurosci* 20:205–224.

Champagne FA (2018) Beyond the maternal epigenetic legacy. *Nat Neurosci* 21(6):773-774.

Mashoodh R, Habrylo IB, Gudsnuk KM, Pelle G, **Champagne FA** (2018) Maternal modulation of paternal effects on offspring development. *Proc Biol Sci* 285(1874).

Champagne FA (2018) "Epigenetics" in *The SAGE Encyclopedia of Lifespan Human Development*, edited by Bornstein M, Sage Publishing.

Champagne FA (2018) "Exposome" in *The SAGE Encyclopedia of Lifespan Human Development*, edited by Bornstein M, Sage Publishing.

Champagne FA (2018) *Social and Behavioral Epigenetics: Evolving Perspectives on Nature-Nurture Interplay, Plasticity, and Inheritance*. In The Palgrave Handbook of Biology and Society, Eds: Meloni M, Cromby J, Fitzgerald D, Lloyd S, Palgrave Macmillan UK.

Champagne FA (2018) *Epigenetic and Multigenerational Impact of Adversity*. In Violence Against Children: Making Human Rights Real. Edited by: Lenzer G, Routledge.

Curley JP, Mashoodh, R, **Champagne FA** (2017) *Transgenerational Epigenetics.* In *Handbook of Epigenetics: The New Molecular and Medical Genetics* (2nd Edition). Academic Press.

Nätt D, Barchiesi R, Murad J, Feng J, Nestler EJ, **Champagne FA**, Thorsell A (2017) Perinatal Malnutrition Leads to Sexually Dimorphic Behavioral Responses with Associated Epigenetic Changes in the Mouse Brain. *Sci Rep* 7(1):11082.

Champagne FA (2016) Epigenetic legacy of parental experiences: Dynamic and interactive pathways to inheritance. *Dev Psychopathol* 28(4pt2):1219-1228.

Champagne FA & Curley JP (2016). Plasticity of the maternal brain across the lifespan. In HJV Rutherford & LC Mayes (Eds.), Maternal brain plasticity: Preclinical and human research and implications for intervention. *New Directions for Child and Adolescent*

Development 153, 9–21.

Peter CJ, Fischer LK, Kundakovic M, Garg P, Jakovcevski M, Dincer A, Amaral AC, Ginns EI, Galdzicka M, Bryce CP, Ratner C, Waber DP, Mokler D, Medford G, **Champagne FA**, Rosene DL, McGaughy JA, Sharp AJ, Galler JR, Akbarian S (2016) DNA methylation signatures of early childhood malnutrition associated with impairments in attention and cognition. *Biol Psychiatry* 80(10):765-774.

Monk C, Feng T, Lee S, Krupska I, **Champagne FA**, Tycko B (2016) Distress during pregnancy: Epigenetic regulation of placenta glucocorticoid-related genes and fetal neurobehavior. *Am J Psychiatry* 173(7):705-13.

Rubenstein DR, Skolnik H, Berrio A, **Champagne FA**, Phelps S, Solomon J (2016) Sex-specific fitness effects of unpredictable early life conditions are associated with DNA methylation in the avian glucocorticoid receptor. *Molecular Ecology* 25(8):1714-28.

Miller RL, Yana Z, Mahera C, Zhanga H, Gudsnuk K, McDonalde J, **Champagne FA** (2016) Impact of prenatal polycyclic aromatic hydrocarbon exposure on behavior, cortical gene expression, and DNA methylation of the Bdnf gene. *Neuroepigenetics* 5: 11-18.

Donaldson ZR, le Francois B, Santos TL, Almli LM, Boldrini M, **Champagne FA**, Arango V, Mann JJ, Stockmeier CA, Galfalvy H, Albert PR, Ressler KJ, Hen R (2016) The functional serotonin 1a receptor promoter polymorphism, rs6295, is associated with psychiatric illness and differences in transcription. *Transl Psychiatry* 6:e746.

Champagne FA & Isles AR (2016) Editorial overview: Development and behavior. *Current Opinion in Behavioral Sciences* 7:iv–vi.

Stolzenberg D & **Champagne FA** (2016) Non-hormonal bases of maternal behavior: The role of experience and epigenetic mechanisms. *Hormones & Behavior* 77:204-10.

Curley JP, **Champagne FA** (2016) Influence of maternal care on the developing brain: Mechanisms, temporal dynamics and sensitive periods. *Frontiers in Neuroendocrinology* 40:52-66.

Franks B, **Champagne FA**, & Curley JP (2015) Postnatal maternal care predicts divergent weaning strategies and the development of social behavior. *Developmental Psychobiology.* 57(7):809-17.

Brunelli SA, Curley JP, Gudsnuk K, **Champagne FA**, Myers MM, Hofer MA, Welch MG (2015) Variations in maternal behavior in rats selected for infant ultrasonic vocalization in isolation. *Hormones & Behavior* 75:78-83.

Braithwaite EC, Kundakovic M, Ramchandani PG, Murphy SE, **Champagne FA** (2015) Maternal prenatal depressive symptoms predict infant NR3C1 1F and BDNF IV DNA methylation. *Epigenetics* 10(5):408-17.

Kundakovic M, Gudsnuk K, Herbstman JB, Tang D, Perera FP, **Champagne FA** (2015) DNA methylation of BDNF as a biomarker of early-life adversity. *Proc Natl Acad Sci U S A* 12(22):6807-13.

Jensen Peña C, **Champagne FA** (2015) Neonatal over-expression of estrogen receptor-α alters midbrain dopamine neuron development and reverses the effects of low maternal care in female offspring. *Developmental Neurobiology* 75(10):1114-24.

Tost H, **Champagne FA**, Meyer-Lindenberg A (2015) Environmental influence in the brain, human welfare and mental health. *Nature Neuroscience* 18(10):1421-31.

Kundakovic M, **Champagne FA** (2015) Early Life Experience, Epigenetics, and the Developing Brain. *Neuropsychopharmacology* 40(1):141-53.

Champagne FA, Curley JP (2015) Epigenetic effects of parental care within and across generations. In: *The Family Emotional System: An Integrative Concept for Theory, Science and Practice*. Lexington Books.

Yan Z, Zhang H, Maher C, Arteaga-Solis E, **Champagne FA**, Wu L, McDonald JD, Yan B, Schwartz GJ, Miller RL (2014) Prenatal Polycyclic Aromatic Hydrocarbon, Adiposity, Peroxisome Proliferator-Activated Receptor (PPAR) γ Methylation in Offspring, Grand-Offspring Mice. *PLoS One.* 9(10):e110706.

Tang G, Gudsnuk K, Kuo SH, Cotrina M, Rosoklija G, Sosunov A, Sonders M, Kanter E, Castagna C, Yamamoto A, Yue Z, Arancio O, Peterson BS, **Champagne FA**, Dwork A, Goldman J, Sulzer D (2014) Loss of mTOR-dependent macroautophagy causes autistic-like synaptic pruning deficits. *Neuron* 83(5):1131-43.

Franks B, Higgins EY, **Champagne FA** (2014) A theoretically based model of rat personality with implications for welfare. *PLoS One* 9(4):e95135.

Peña CJ, Neugut YD, Calarco CA, **Champagne FA** (2014) Effects of maternal care on the development of midbrain dopamine pathways and reward-directed behavior in female offspring. *European Journal of Neuroscience* 39(6):946-56.

Franks B, **Champagne FA**, Higgins ET (2014) How enrichment affects exploration trade-offs in rats: Implications for welfare and well-being *PLoS One* 8(12):e83578.

Donaldson ZR, Piel DA, Santos TL, Richardson-Jones J, Leonardo ED, Beck SG, **Champagne FA**, Hen R (2014) Developmental effects of serotonin 1a autoreceptors on anxiety and social behavior. *Neuropsychopharmacology* 39(2):291-302.

Braun K, **Champagne FA** (2014) Paternal influences on offspring development: behavioural and epigenetic pathways. *Neuroendocrinology* 26(10):697-706.

Mashoodh R, **Champagne FA** (2014) Paternal Transgenerational Inheritance. In *Transgenerational Epigenetics: Evidence and Debate*, Tollefsbol T, ed., Academic Press.

Champagne FA (2014) The Epigenetics of Mammalian Parenting. In *Ancestral Landscapes in Human Evolution: Culture, Childrearing and Social Wellbeing*, Narvaez D, Valentino K, Fuentes A, McKenna JJ, Gray P, eds., Oxford University Press.

Peña CJ, Neugut YD, **Champagne FA** (2013) Developmental timing of the effects of maternal care on gene expression and epigenetic regulation of hormone receptor levels in female rats. *Endocrinology* 154(11):4340-51.

Wan M, Hejjas K, Ronai Z, Elek Z, Sasvari-Szekely M, **Champagne FA**, Miklósi A, Kubinyi E (2013) DRD4 and TH gene polymorphisms are associated with activity, impulsivity and inattention in Siberian Husky dogs. *Animal Genetics* 44(6):717-27

Kundakovic M, Lim S, Gudsnuk K, **Champagne FA** (2013) Sex-specific and strain-dependent effects of early life adversity on behavioral and epigenetic outcomes. *Front Psychiatry* 4:78.

Kundakovic M, Gudsnuk K, Franks B, Madrid J, Miller RL, Perera FP, **Champagne FA** (2013) Sex-specific epigenetic disruption and behavioral changes following low-dose in utero bisphenol A exposure. *Proceedings of the National Academy of Sciences USA* 110(24):9956-61.

Branchi I, Curley JP, D'Andrea I, Cirulli F, **Champagne FA**, Alleva E (2013) Early interactions with mother and peers independently build adult social skills and shape BDNF and oxytocin receptor brain levels. *Psychoneuroendocrinology* 38(4):522-32.

Jensen-Peña CL, **Champagne FA** (2013) Implications of temporal variation in maternal care for the prediction of neurobiological and behavioral outcomes in offspring. *Behavioral Neuroscience* 127(1):33-46.

Karatsoreos IN, Thaler JP, Borgland SL, **Champagne FA**, Hurd YL, Hill MN (2013) Food for thought: hormonal, experiential, and neural influences on feeding and obesity. *Journal of Neuroscience* 33(45):17610-6.

Champagne FA (2013) Early environments, glucocorticoid receptors, and behavioral epigenetics. *Behavioral Neuroscience* 127(5):628-36.

Champagne FA (2013) Effects of stress across generations: Why sex matters. *Biological Psychiatry* 73(1):2-4.

Champagne FA (2013) Epigenetics and developmental plasticity across species. *Developmental Psychobiology* 55(1):33-41.

Mansuy IM, Mashoodh R, **Champagne FA** (2013) Transgenerational Inheritance in Mammals. In *Epigenetic Regulation in the Nervous System: Basic Mechanisms and Clinical Impact,* Sweatt JD, Meaney MJ, Nestler EJ, Schahram A, eds., Elsevier.

Wan M, Bolger N, **Champagne FA** (2012) Human perception of fear in dogs varies according to experience with dogs. *PLoS One* 7(12):e51775.

Liberman SA, Mashoodh R, Thompson RC, Dolinoy DC, **Champagne FA** (2012) Concordance in hippocampal and fecal Nr3c1 methylation is moderated by maternal behavior in the mouse. *Ecology and Evolution* 2(12):3123-31.

Mashoodh R, Franks B, Curley JP, **Champagne FA** (2012) Paternal social enrichment effects on maternal behavior and offspring growth. *Proceedings of the National Academy of Sciences USA* 109 Suppl 2:17232-8.

Franks B, Higgins ET, **Champagne FA** (2012) Evidence for individual differences in regulatory focus in rats, *Rattus norvegicus. Journal of Comparative Psychology* 126(4):347-54.

Jensen-Peña CL, Monk C, **Champagne FA** (2012) Epigenetic effects of prenatal stress on 11β-hydroxysteroid dehydrogenase-2 in the placenta and fetal brain. *PLoS One* 7(6):e39791.

Curley JP, Jensen CL, Franks B, **Champagne FA** (2012) Variation in maternal and anxiety-like behavior associated with discrete patterns of oxytocin and vasopressin 1a receptor density in the lateral septum. *Hormones & Behavior* 61(3):454-61.

Swaney WT, Dubose BN, Curley JP, **Champagne FA** (2012) Sexual experience affects reproductive behavior and preoptic androgen receptors in male mice. *Hormones & Behavior* 61(4):472-8.

Gudsnuk KM, **Champagne FA** (2012) Epigenetic influence of stress and the social environment. *ILAR J* 53 (3-4): 279-288.

Monk C, Spicer J, **Champagne FA** (2012) Linking prenatal maternal adversity to developmental outcomes in infants: The role of epigenetic pathways. *Development & Psychopathology* 24(4): 1361-1376.

Champagne FA (2012) Interplay between social experiences and the genome: Epigenetic consequences for behavior. *Advances in Genetics* 77:33-57.

Jensen CL & **Champagne FA** (2012) Epigenetic and neurodevelopmental perspectives on variation in parenting behavior. *Parenting: Science and Practice* 12(2-3): 202-211.

Roth TL & **Champagne FA** (2012) Epigenetic Pathways and the Consequences of Adversity and Trauma. In *Biological and Genetic Factors in Understanding Trauma, Psychopathology, and Violence,* Spatz Widom C ed., Oxford University Press.

Champagne FA & Curley JP (2012) Genetics and Epigenetics of Parental Care. In: *The Evolution of Parental Care*, Royle NJ, Smiseth PT, Kölliker M eds., Oxford University Press.

Danchin E, Charmantier A, **Champagne FA**, Mesoudi A, Pujol B, Blanchet S. (2011) Beyond DNA: Integrating inclusive inheritance into an extended theory of evolution. *Nature Reviews Genetics* 12(7):475-86.

Champagne FA (2011) Maternal imprints and the origins of variation. *Hormones & Behavior* 60(1):4-11.

Kundakovic M, **Champagne FA** (2011) Epigenetic perspective on the developmental effects of bisphenol A. *Brain Behavior & Immunity* 25(6):1084-93.

Champagne FA, Rissman EF (2011) Behavioral epigenetics: A new frontier in the study of hormones and behavior. *Hormones & Behavior* 59(3):277-8.

Curley JP, Jensen CL, Mashoodh R, **Champagne FA** (2011) Social influences on neurobiology and behavior: Epigenetic effects during development. *Psychoneuoendocrinology* 36(3):352-71.

Curley JP, Mashoodh R, **Champagne FA** (2011) Epigenetics and the origins of paternal effects. *Hormones & Behavior* 59(3):306-14.

Champagne FA, Curley JP (2011) Parental behavior and the perinatal programming of infant development. In: Fink G, Pfaff DW, Levine JE, eds. *Handbook of Neuroendocrinology*. London, Waltham, San Diego: Academic press, Elsevier.

Gudsnuk KM, **Champagne FA** (2011) Epigenetic effects of early developmental experiences. *Clinics in Perinatology* 38(4):703-17.

Franks B, Curley JP, & **Champagne FA**. (2011) Measuring variations in maternal behavior: Relevance for studies of mood and anxiety. In: *Mood and Anxiety Related Phenotypes in Mice: Characterization Using Behavioral Tests Vol. 2*, (Springer Protocols in Neuromethods Series), Gould T ed., Springer.

Curley JP & **Champagne FA** (2011) Epigenetic influence of the social environment. In: *Brain, Behavior, & Epigenetics*, Petronis A & Mill J eds., Springer.

Curley JP, Rock V, Moynihan AM, Bateson P, Keverne EB, **Champagne FA** (2010) Developmental shifts in the behavioral phenotypes of inbred mice: the role of postnatal and juvenile social experiences. *Behavior Genetics* 40(2):220-32.

Champagne FA (2010) Early adversity and developmental outcomes: Interaction between genetics, epigenetics and social experiences across the lifespan. *Perspectives on Psychological Science* 5(5) 564–574

Champagne FA (2010) Epigenetic perspectives on development: Evolving insights on the origins of variation. *Developmental Psychobiology* 52(4):e1-e3.

Champagne FA (2010) Epigenetic influence of social experiences across the lifespan. *Developmental Psychobiology* 52(4):299-311.

Curley JP, Mashoodh R, & **Champagne FA** (2010) Transgenerational Epigenetics. In: *Handbook of Epigenetics*, Tollefsbol T ed., Oxford: Academic Press.

Wan M, Kubinyi E, Miklósi A, **Champagne FA** (2009) A cross-cultural comparison of reports by German Shepherd Owners in Hungary and the United States of America. *Applied Animal Behaviour Science* 121: 206-213.

Curley JP, Davidson S, Bateson P & **Champagne FA** (2009) Social enrichment during postnatal development induces transgenerational effects on emotional and reproductive behavior in mice. *Frontiers in Behavioral Neuroscience* 3:25

Alter MD, Gilani AI, **Champagne FA**, Curley JP, Turner JB, & Hen R (2009) Paternal transmission of complex phenotypes in inbred mice. *Biological Psychiatry* 66(11):1061-6.

Champagne FA, Curley JP, Hasen N, Swaney WT & Keverne EB (2009) Paternal influence on female behavior: The role of *Peg3* in exploration, olfaction and neuroendocrine regulation of maternal behavior of female mice. *Behavioral Neuroscience* 123(3):469-80.

Curley JP, Jordan E, Swaney WT, Izrealit A, Kammel S & **Champagne FA** (2009) The meaning of weaning: Influence of the weaning period on behavioral development in mice. *Developmental Neuroscience* 31(4):318-31.

Fagiolini M, Jensen CL, & **Champagne FA** (2009) Epigenetic influences on brain development and plasticity. *Current Opinion in Neurobiology* 19(2): 207-212.

Champagne FA & Mashoodh R (2009) Genes in context: Gene-environment interplay and the origins of individual differences in behavior. *Current Directions in Psychological Science* 18(3): 127-131.

Champagne FA (2009) Nurturing Nature: Social experiences and the brain. *Journal of Neuroendocrinology* 21(10):867-8.

Champagne FA (2009) Beyond nature vs. nurture: Philosophical insights from molecular biology. APS Presidential Column in the *Observer* with introduction by Dr. Walter Mischel.

Champagne FA, Curley JP (2009) Epigenetic mechanisms mediating the long-term effects of maternal care on development. *Neuroscience and Biobehavioral Reviews* 33(4):593-600.

Champagne FA, Curley JP (2009) Maternal care as a modulating influence on infant development in *Oxford Handbook of Developmental Behavioral Neuroscience*, Blumberg MS, Freeman JH, Robinson SR eds., Oxford University Press, New York

Champagne FA, Curley JP (2009) The transgenerational influence of maternal care on offspring gene expression and behavior in rodents in *Maternal Effects in Mammals*, Maestripieri D, Mateo JM eds., University of Chicago Press, Chicago.

Mann JJ, Arango VA, Avenevoli S, Brent DA, **Champagne FA**, Clayton P, Currier D, Dougherty DM, Haghighi F, Hodge SE, Kleinman J, Lehner T, McMahon F, Mościcki EK, Oquendo MA, Pandey GN, Pearson J, Stanley B, Terwilliger J, Wenzel A. (2009) Candidate endophenotypes for genetic studies of suicidal behavior. *Biological Psychiatry* 65(7):556-63.

Swaney WT, Curley JP, **Champagne FA**, Keverne EB (2008) The paternally expressed gene Peg3 regulates sexual experience-dependent preferences for estrous odors. *Behavioral Neuroscience* 122 (5): 963-73.

Curley JP, **Champagne FA**, Bateson P & Keverne EB, (2008) Trans-generational effects of impaired maternal care on behaviour of offspring and grand-offspring. *Animal Behaviour* 75(4): 1551-1561.

Champagne FA, Curley JP (2008) Maternal regulation of estrogen receptor alpha methylation. *Current Opinion in Pharmacology* 8(5): 963-73.

Champagne FA (2008) Epigenetic mechanisms and the transgenerational effects of maternal care. *Frontiers in Neuroendocrinology* 29(3): 386-397.

Champagne FA (2008) Maternal influence on offspring reproductive behavior: implications for transgenerational effects in *Neurobiology of the Parental Brain*, Bridges RS ed., San Diego CA, Elsevier.

Cameron NM, Shahrokh D, Del Corpo A, Dhir SK, Szyf M, **Champagne FA**, Meaney MJ (2008) Epigenetic programming of phenotypic variations in reproductive strategies in the rat through maternal care. *Journal of Neuroendocrinology* 20(6):795-801.

Champagne FA*, Curley JP,* Keverne EB, Bateson PPG (2007) Natural variations in postpartum maternal care in inbred and outbred mice. *Physiology & Behavior* 91(2-3):325-34.

Swaney WT, Curley JP, **Champagne FA**, Keverne EB (2007) Genomic imprinting mediates sexual experience-dependent olfactory learning in male mice. *Proceedings of the National Academy of Sciences USA* 104(14):6084-9.

Champagne FA, Meaney MJ (2007) Transgenerational effects of social environment on variations in maternal care and behavioral response to novelty. *Behavioral Neuroscience* 121(6): 1353-63.

Champagne FA, Weaver ICG, Diorio J, Szyf M, Meaney MJ (2006) Maternal care associated with methylation of the estrogen receptor alpha 1b promoter and estrogen receptor alpha expression in the medial preoptic area of female offspring. *Endocrinology* 147(6): 2909-2915.

Champagne FA, Meaney MJ (2006) Stress during gestation alters maternal care and the development of offspring in a rodent model. *Biological Psychiatry* 59(12):1227-35

Weaver IC, **Champagne FA**, Brown SE, Dymov S, Sharma S, Meaney MJ, Szyf M. (2005) Reversal of maternal programming of stress responses in adult offspring through methyl supplementation: altering epigenetic marking later in life. *Journal of Neuroscience* 25(47):11045-54.

St-Hilaire A, Holowka D, Cunningham H, **Champagne F**, Pukall M, King S (2005) Explaining variation in the premorbid adjustment of schizophrenia patients: the role of season of birth and family history. *Schizophrenia Research* 73(1):39-48.

Szyf M, Weaver IC, **Champagne FA**, Diorio J, Meaney MJ (2005) Maternal programming of steroid receptor expression and phenotype through DNA methylation in the rat. *Frontiers in Neuroendocrinology* 26(3-4):139-62.

Colvis CM, Pollock JD, Goodman RH, Impey S, Dunn J, Mandel G, **Champagne FA**, Mayford M, Korzus E, Kumar A, Renthal W, Theobald DE, Nestler EJ (2005) Epigenetic mechanisms and gene networks in the nervous system. *Journal of Neuroscience* 25(45):10379-89.

Parent C, Zhang TY, Caldji C, Bagot R, **Champagne FA**, Pruessner J, Meaney MJ (2005) Maternal care and individual differences in defensive responses. *Current Directions in Psychological Science* 14(5): 229-233.

Champagne FA, Curley JP (2005) How social experiences influence the brain. *Current Opinion in Neurobiology* 15(6):704-9.

Cameron NM, **Champagne FA**, Parent C, Fish EW, Ozaki-Kuroda K, Meaney MJ (2005) The programming of individual differences in defensive responses and reproductive strategies in the rat through variations in maternal care. *Neuroscience and Biobehavioral Reviews* 29(4-5):843-65.

Weaver IC, Cervoni N, **Champagne FA**, D'Alessio AC, Sharma S, Seckl JR, Dymov S, Szyf M, Meaney MJ (2004) Epigenetic programming by maternal behavior. *Nature Neuroscience* 7(8):847-54.

Champagne FA, Chretien P, Stevenson CW, Zhang TY, Gratton A, Meaney MJ (2004) Variations in nucleus accumbens dopamine associated with individual differences in maternal behavior in the rat. *Journal of Neuroscience* 24(17):4113-23.

Pruessner JC, **Champagne F**, Meaney MJ, Dagher A (2004) Dopamine release in response to a psychological stress in humans and its relationship to early life maternal care: a positron emission tomography study using [11C] raclopride. *Journal of Neuroscience* 24(11):2825-31.

Champagne FA, Weaver IC, Diorio J, Sharma S, Meaney MJ (2003) Natural variations in maternal care are associated with estrogen receptor alpha expression and estrogen sensitivity in the medial preoptic area. *Endocrinology* 144(11):4720-4.

Champagne F, Francis DD., Mar A, Meaney MJ (2003) Naturally-occurring variations in maternal care in the rat as a mediating influence for the effects of environment on the development of individual differences in stress reactivity. *Physiology & Behavior* 79:359-371.

Champagne F, Diorio J, Sharma S, Meaney MJ (2001) Naturally occurring variations in maternal behavior in the rat are associated with differences in estrogen-inducible central oxytocin receptors. *Proceedings of the National Academy of Sciences USA* 98(22):12736-41.

Champagne F, Meaney MJ (2001) Like mother, like daughter: evidence for non-genomic transmission of parental behavior and stress responsivity. *Progress in Brain Research* 133:287-302.

Bredy T, Weaver I, **Champagne FC**, Meaney MJ (2001) Stress, maternal care, and neural development in the rat in *Toward a Theory of Neuroplasticity,* Shaw CA, McEachern JC eds. Philadelphia: Psychology Press/Taylor & Francis.

Francis DD, **Champagne FC**, Meaney MJ (2000) Variations in maternal behavior are associated with differences in oxytocin receptor levels in the rat. *Journal of Neuroendocrinology* 12(12):1145-8.

Francis DD, **Champagne FA**, Liu D, Meaney MJ (1999) Maternal care, gene expression, and the development of individual differences in stress reactivity. *Annals of the New York Academy of Sciences* 896:66-84.

Francis DD, Caldji C, **Champagne F**, Plotsky PM, Meaney MJ (1999) The role of corticotropin-releasing factor--norepinephrine systems in mediating the effects of early experience on the development of behavioral and endocrine responses to stress. *Biological Psychiatry* 46(9):1153-66.

Marshall W L, **Champagne F**, Brown C, Miller S (1997) Empathy, intimacy, loneliness, and self-esteem in nonfamilial child molesters: A brief report. *Journal of Child Sexual Abuse* 6(3): 87-98.

Marshall W L, **Champagne F**, Sturgeon C, Bryce P (1997) Increasing the self-esteem of child molesters. *Sexual Abuse: Journal of Research & Treatment* 9(4): 321-333.

Marshall WL, Anderson D, **Champagne F** (1997) Self-esteem and its relationship to sexual offending. *Psychology Crime & Law* 3(3): 161-186.

Invited Talks, Panels, & Presentations

2024

Society for Behavioral Neuroendocrinology 28th Annual Meeting, Columbus, Ohio
Evolving concepts of "sex" and "gender": where are we and where do we need to go?

Health Professionals Seminar, UT Austin
Epigenetics, biological weathering and health inequity

Staff of Asclepius Psychology Workshop Presentation
Epigenetics, environment & neurodevelopment

2023

Department of Women's Health. Dell Medical School, UT Austin
Epigenetics and Stress: Implications for Health Disparities

University of Texas at Dallas (UTD) Neuroscience Seminar Series
Interplay between prenatal endocrine disruptors and postnatal social experiences in shaping development

Texas A&M University, Department of Psychological and Brain Sciences, Seminar Series, Cognition and Cognitive Neuroscience Area
Dynamics of parental effects on offspring development

25th Symposium of the Center for Neuroendocrine Studies, University of Massachusetts, Amherst
Relationship Between Stress and the Epigenome

UT Austin Whole Communities–Whole Health Research Showcase 2023
Exploring the Relationship Between Biological and Psychological Stress

PsychoNeuroImmunology Research Society
Prenatal Stress Influences on the Epigenome and Associations with Biobehavioral Outcomes

Synapse Neuroscience Society, University of Texas at Austin
Dynamic Epigenetic Pathways in the Developing Brain

2022 UCLA Laboratory of Neuroendocrinology (LNE) of the Brain Research Institute (BRI) Seminar Series
Relationship Between Stress and the Epigenome: Implications for Health

Annual Center for Molecular Carcinogenesis and Toxicology Symposium
Prenatal Environments and the Developing Brain: Epigenetic Pathways

UT Austin Dell Med School Psychiatry Grand Rounds
Relationship Between Stress & the Epigenome

UT Austin Department of Psychology Behavioral Neuroscience Seminar
Differential DNA Methylation and Epigenetic Age in Postmortem Brain Tissue Associated with PTSD and Depression

International Congress for Infant Studies, Ottawa Canada
Prenatal Epigenetics and the Emergence of Developmental Trajectories

Society for Biological Psychiatry Meeting, New Orleans LA
Differential DNA Methylation and Epigenetic Age in Postmortem Brain Tissue Associated with Depression and Post-Traumatic Stress Disorder

2022 Annual Meeting of the American Society for Neurochemistry, Roanoke VA
Prenatal Stress Influences on the Epigenome and Associations with Biobehavioral Outcomes

2021

Prematurity Awareness Panel at NYU

University of Iowa INSPIRE T32 Fellows Seminar
Prenatal modulation of molecular and neurobehavioral outcomes

Texas Student Psychological Association, University of Texas at Austin
Prenatal modulation of molecular and neurobehavioral outcomes

UC Davis Animal Behavior Seminar
Prenatal modulation of molecular and neurobehavioral outcomes

University of Virginia, Department of Psychology
Building a Healthy Human Brain

2020

Prenatal-to-3 Policy Impact Center, JBJ School of Public Affairs, University of Texas at Austin
Getting off to a Healthy Start: Science and Policy to Guide Early Childhood Development

World Café 2020, University of Texas at Austin
Technology & Covid-19

Sociedad Argentina de Investigación en Neurociencias (SAN)
Epigenetic effects of stress

Cognitive Neuroscience Area Seminar, Department of Psychology, University of Texas at Austin
Prenatal Influences on Brain Development: Exploring Pathways and Mechanisms

Society for Neuroscience Epigenetics & Neurobiology Webinar
Epigenetics as a Link Among Genes, the Environment, and Behavior

Developmental Area Seminar, Department of Psychology, University of Texas at Austin
From Behavioral & Environmental Epigenetics to Epigenetic Age Acceleration

7th Annual Mariann Blum Memorial Lectureship in the Neurosciences
UT Health San Antonio
Epigenetics, Environments and the Dynamic Brain

Roundtable on Legal Remedies for Racial Trauma, Berkeley Law
Epigenetics and Trauma

Society for Integrative and Comparative Biology Annual Meeting
Epigenetics and Reproductive Trade-offs in Response to Stress

2019 Presidential Scholars in Society and Neuroscience, Columbia University, Neuroscience and the Study of Intergenerational Trauma: How Does the Remote Past Get Under Our Skin?

Maternal and Paternal Effects Across Generations

NIA Research Centers Collaborative Network Workshop on Resilience and Reserve in Aging
Early Life Experiences

Institute of Early Life Adversity Research, External Advisory Board Retreat
Dell Medical School, Austin TX
Epigenetic Influences Within and Across Generations

Psychiatry Faculty Retreat Seminar, Dell Medical School, Austin TX
Epigenetics, Development and the Environment

Neuroscience Program Seminar, University of Illinois at Champaign-Urbana
Parental Epigenetic Influences Within and Across Generations

Synapse Neuroscience Society, University of Texas at Austin
Dynamic Epigenetic Pathways in the Developing Brain

Workshop on Autism Spectrum Disorders, Cold Spring Harbor Laboratory
Epigenetics, Development & ASD

Roots of Empathy Research Symposium, Toronto Canada
Dynamic epigenetic pathways in the developing brain

Pan American Neuroendocrine Society (PANS), New Orleans LA
Maternal and Paternal Epigenetic Influences on Neuroendocrine Development

Neuroplacentology Webinar, Children's National Health System
Epigenetic impact of environmental exposures on the placenta

2018 Pediatric Brain Health Summit, University of Texas System, Austin TX
Lasting Epigenetic Impact of Early Life Adversity

University of Michigan, Department of Psychology, Evolution and Human Adaptation Program
Sculpting the Epigenome Across Generations

Waggoner Center for Alcohol and Addiction Research, University of Texas at Austin
Developmental Epigenetics and the Multigenerational Impact of the Environment

International Congress of Neuroendocrinology, Toronto Canada
Prenatal Programming of Offspring Development

Teratology Society Annual Meeting, Clearwater Florida
Epigenetic Impact of Prenatal Exposure to Bisphenol A and Polycyclic Aromatic Hydrocarbons: Sex Differences and Effects on Neuroplasticity

World Association for Infant Mental Health, Rome Italy
Prenatal Stress and Offspring Development: Placental and Epigenetic Pathways

Pediatric Academic Societies Annual Meeting, Toronto Canada

Prenatal Programming of Development

Symposium on Brain, Behavior & Evolution, University of Texas at Austin
Dynamic Epigenetic Impact of Parents on Offspring Development

Wisconsin Symposium on Emotion, Madison Wisconsin
Dynamic Epigenetic Pathways in Development

Institute for Cellular and Molecular Biology, University of Texas at Austin
Epigenetic Plasticity and the Developmental Impact of Early Life Experiences

Population Research Center Brown Bag Series, University of Texas at Austin
Epigenetic Plasticity and Inheritance

2017 Society for Behavioral Neuroendocrinology SFN Social, Washington DC
Looking to the Future: Opportunities in Behavioral Neuroendocrinology

International Society for Developmental Psychobiology Meeting, Washington DC
Epigenetic effects of prenatal maternal exposures and moderation through postnatal mother-infant interactions

American Psychosomatic Association Mid-Year Meeting, Berkeley CA
Epigenetic link between early life social experiences and neurobiological outcomes

Developmental Area Talk, Department of Psychology, University of Texas at Austin
Epigenetic variation in developmental trajectories

Brain, Behavior and Evolution (BB&E) Seminar, University of Texas at Austin
Epigenetic Transmission of Behavioral Traits

Flux Congress 2017: The Society for Developmental Cognitive Neuroscience, Portland OR
Epigenetic Variation in Developmental Trajectories: Role of Prenatal and Postnatal Experiences

International Society for the Study of Affective Touch Keynote, Liverpool
'LickStart' the Brain With Touch

NIA Workshop on Innovative Issues in Minority Aging Research: Reversibility and Mutability Research: Approaches to Reducing Health Disparities
International Association of Gerontology and Geriatrics (IAGG), San Francisco
The State of the Art in Mutability and Reversibility Research

Society for Affective Science Presidential Symposium, Boston
Dynamic Epigenetic Interplay with the Genome in a Social Context

Evidence: An Interdisciplinary Conversation about Knowing and Certainty Panel
Columbia University

2017 SRCD Biennial Meeting Symposium: Adversity in Early Care Environments: New Directions and Challenges in Applying Translational Research to Intervention
Transmission of Maternal Behavior across Generations: Neural Mechanisms and Sensitive Periods

2017 SRCD Biennial Meeting Salon
Children's Exposure to Early Adversity and its Impact on Brain Development

John D. Wiley Seminar Series, Waisman Center, University of Wisconsin-Madison
Epigenetic Impact of Early Life Experiences: Sensitive Periods, Plasticity and the Inheritance of Behavior Across Generations

Teachers College, Columbia University, Neuroscience Lecture Series
Brain Development in the Context of the Exposome

Society for Reproductive Investigation (SRI) Annual Scientific Meeting
Epigenetic Impact of Prenatal Exposure to Adversity

Department of Biology, Brooklyn College Schreibman Lecture
Brain Development, Epigenetics and the Exposome

The Future of Aging Research Columbia University Seminar Series
The Lasting Biological Impact of Stress

Stavros Niarchos Foundation Brain Insight Lecture Series
How Do Early Life Experiences Shape Behavior?

Emory University, Frontiers in Neuroscience Seminar Series
Epigenetic Mechanisms, Sensitive Periods and Parental Interplay in Development

2016 Yale Child Study Center
Parent-child relationships in the shadow of childhood adversity: A study group

American Academy of Child & Adolescent Psychiatry, New York NY
Individual Differences in Environmental Sensitivity: Differential Susceptibility and the Role of Sensory-Processing Sensitivity
Panel Discussant

American Academy of Child & Adolescent Psychiatry, New York NY
Prenatal Epigenetic Effects on Brain Development and Behavior: Translational Approaches

American Academy of Child & Adolescent Psychiatry, New York NY
Early Life Experiences, Epigenetics, and the Developing Brain

University Seminar for Integrative Study of Animal Behavior, Columbia University
Epigenetic impact of the environment on developmental trajectories

Department of Psychology, University of Texas, Austin
Epigenetic transmission of behavior across generations: Mechanisms, sensitive periods and parental interplay

Animal Behavior Society Meeting, Columbia MO
Epigenetic impact of prenatal exposures on developmental trajectories

Annual Developmental Neurotoxicology Society Meeting, San Antonio TX
Epigenetic effects of prenatal exposures: Issues of timing, tissue, and sex

Douglas Hospital Research Center (McGill University) Research Day, Montreal
Maternal-paternal interplay in shaping offspring development

Yale Child Study Center
Dynamic and interactive epigenetic pathways to development and inheritance

Psychiatric Epidemiology Training Program Seminar, Columbia University
Role of Epigenetics and Parental Interplay in Multigenerational Effects

Eastern Psychological Association Annual Meeting, New York
Epigenetic Plasticity of the Developing Brain

Sackler Brain Course: The Neurobiology of Attachment, American Museum of Natural History
Epigenetic plasticity and the developing brain

2nd Columbia Psychosomatics Conference, NYSPI
Early life social environments: Implications for pain sensitivity

2015 American Museum of Natural History
New Science, New Solutions: Changing the Future for At-Risk Youth

Department of Neuroscience Colloquium Series, Carleton University
Epigenetic impact of toxins, stress & social interactions: Transgenerational perspectives

APA IPS Workshop: Will Genetics + Environment = A New Psychiatry?
Impact of the early life environment on epigenetic outcomes in offspring

Janelia Conference: Behavioral Epigenetics: Conserved Mechanisms in Diverse Model Systems
Implications of paternal-maternal interplay for epigenetic outcomes in offspring

Sandler Conference, Child Study Center, Yale University
Epigenetic Impact of Mother-Infant Interactions

International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB)
Epigenetic Interplay between Mothers, Fathers, and Offspring: Implications of the Legacy of Parental Experiences

Neurobehavioral Teratology Society Meeting, Montreal, Canada
Epigenetic and Neurobiological Consequences of Prenatal Exposure to Bisphenol A

Summer Training Institute on Autism, Florida State University College of Medicine
Epigenetic Plasticity and the Developing Brain

Canadian Institute for Advanced Research: Social Interactions, Identity & Well-Being Meeting
Epigenetic Impact of the Social Environment

The Ohio State University, Department of Psychology Colloquium

Epigenetic Plasticity of the Developing Brain

Association for Psychological Science Annual Convention
How to Make a Life Course Birth Cohort Study Relevant for Biologists, Psychologists, Sociologists, and Economists: The Case of the Fragile Families Study

Institute for Translational Research in Children's Mental Health, University of Minnesota
Transmission of risk and resilience across generations: Epigenetics and parental influences

Columbia Population Research Center Children Youth and Families Mini-Conference
Epigenetic Plasticity of the Developing Brain

Neuroscience Lecture Series, Teacher's College, Columbia University
Parental Influences on the Brain: Rethinking the Mechanisms of Inheritance

Society for Research in Child Development Annual Meeting, Philadelphia PA
Epigenetic Plasticity of the Developing Brain

The Columbia University Seminars: Memory and Slavery
Transgenerational Inheritance in Mammals

Embedding the Science of Infant Mental Health Workshop, SickKids Hospital Toronto
Epigenetics and the Developing Brain

Current Works in Behavior, Genetics, and Neuroscience, Yale University
Shaping the Developing Brain: Parental and Epigenetic Influences

New York City Regional Brain Bee Competition, Columbia University
New Insights into the Developing Brain

Sackler Institute for Developmental Psychobiology Winter Meeting, Turks & Caicos
Epigenetic Consequences of the Social Environment

2014 Zero to Three National Training Institute, Ft. Lauderdale FL
Early Environment, Epigenetics, and the Developing Brain

American College of Neuropsychopharmacology (ACNP), Phoenix Arizona
Early Life Experience, Epigenetics, and Brain Development

NeuroEpigenetics Launch Symposium, Society for Neuroscience
Behavioral Epigenetics: Understanding Prenatal Programming of Behavior

Department of Psychology, Hunter College, NYC
Sensitive Periods in the Epigenetic Plasticity of the Developing Brain

Dept. of Molecular & Integrative Physiology, University of Illinois at Urbana–Champaign
Early Environments and the Epigenetics of the Developing Brain

Work-in-Progress Seminar Series, NYPSI
Maternal Programming of Hypothalamic-Reward System Interactions

Department of Psychiatry, NYU Langone Medical Center
Epigenetic Pathways in the Developing Brain

CPRC CYF Mini-Conference, Columbia University
SES Disparities in Health and Development

Georgia State University, Neuroscience Institute
Epigenetic Impact of Early Life Experiences on the Developing Brain

Generation to Generation: The Interplay of Genes and Family Process, Bowen Center Spring Meeting
Maternal-Paternal Interplay and the Transmission of Neurobehavioral Variation

National Academy of Sciences Sackler Colloquium: Epigenetic changes in the developing brain: Effects on behavior
Impact of early life experiences on DNA methylation: Implications for brain development and behavior

New Frontier Seminar Series, University of Toronto, Scarborough
Epigenetic Plasticity and the Developing Brain

Department of Psychiatry, NYU Langone Medical Center
Epigenetic Perspectives on the Long-Term Impact of Early Life Adversity

Department of Psychiatry, Woodhull Medical Center, New York
Epigenetics and the Developing Brain

Children's Health Symposium, Office of Environmental Health Hazard Assessment (OEHHA)
Epigenetic Impact of Prenatal Exposure to Adversity

Neuroscience Lecture Series, Teacher's College, Columbia University
Epigenetic Plasticity in the Developing Brain

2013 Department of Genetics Seminar Series, Rutgers
Epigenetic Pathways Linking Parental Experiences to Offspring Development

NYU Department of Psychology Cognition and Perception Area Seminar
Epigenetics, Development, and the Origins of Variation in Behavior

Annual Society for Neuroscience Meeting Minisymposium, San Diego CA
"*Food for Thought: Experiential, Hormonal, and Neural Antecedents of Obesity*"

Mechanisms of Communication: Critical Periods and Social Learning, San Diego CA
Sensitive Periods for the Impact of Maternal Care on Molecular and Behavioral Outcomes

Vermont Oxford Network Meeting, Chicago IL
Epigenetic Effects of Early Maternal-Infant Interaction

Seminar Series: "A Post-Genomic Embrace of the Human? The Social Science and Humanities of Non-Reductionist Life Sciences", NYU
Epigenetic Interplay Between Social Experiences and the Genome

European Brain and Behaviour Society (EBBS) Meeting, Munich, Germany
Developmental Programming of Brain & Behavior via Epigenetic Pathways

5th Parental Brain Conference, Regensburg, Germany
Paternal-Maternal Interplay and Offspring Development

Society for Behavioral Neuroendocrinology Annual Meeting, Atlanta GA
Developmental Emergence of Behavioral, Neurobiological, and Epigenetic Variation in Response to Postnatal Maternal Care

World Science Festival, New York
Destiny and DNA: Our Pliable Genome

Society for Biological Psychiatry Annual Meeting, San Francisco CA
Sex-Specific and Dose-Dependent Effects of Prenatal Exposure to Bisphenol A

Society for Research in Child Development Annual Meeting, Seattle WAS
Long-Term Impact of Early Life Maternal Separation on Brain Region Specific Gene Activity

The Impact of Relationships on Individual Variation: The Sixth Interdisciplinary Dialogue
Bowen Center for the Study of the Family, Washington D.C.
Epigenetics & Inheritance: Evolving Perspectives on Gene-Environment Interplay

CCNY Biology Colloquium
Epigenetics & Inheritance: Evolving Perspectives on Gene-Environment Interplay

Animal Behavior Conference, Indiana University, Bloomington IN
Developmental Programming of Behavior via Epigenetic Pathways

Substance Abuse Division Brown Bag Seminar, NYSPI
Epigenetic Effects of Early Life Experiences and Implications for Substance Abuse Research

The Italian Academy, Columbia University
Shaping the Brain: How genes, emotions, and the arts influence perception

J. James Woods Lecture Series, Butler University Indianapolis IN
Epigenetics and Early Life Experiences

Center for Human Growth and Development, University of Michigan
Developmental Programming via Epigenetic Pathways: Implications for Brain and Behavior Across Generations

Work-in-Progress Seminar Series, NYPSI
Exploring the Mechanisms of Paternal Effects

2012 Sackler Institute, Weill Medical College of Cornell University
Prenatal and Postnatal Influences on Epigenetic Pathways and Development

Symposium on Human Evolution and Human Development, University of Notre Dame

Epigenetic Pathways Linking Parental Effects to Offspring Development

Boston College, Department of Psychology
Early Life Programming of the Developing Brain

2011 National Academy of Sciences Sackler Colloquium Biological Embedding of Early Social Adversity: From Fruit Flies to Kindergartners, Irvine CA
Gene-Environment Interplay in Socially Partitioned Health, Development and Behavior

Society for Social Neuroscience Annual Meeting, Washington D.C.
Maternal Care & Epigenetic Processes

Social Justice For Children: To End Child Abuse and Violence Against Children, A National Consultation, New York
Epigenetic Impact of Adversity: Risk, Resilience, & Nature-Nurture Interplay

CU Department of Ecology, Evolution, and Environmental Biology (E3B) Seminar Series
Epigenetics, Reproduction, and Evolving Perspectives on Inheritance

Workshop on the Biology of Prosocial Behavior, Emory University
Epigenetic Effects in Rodents: Consequences for Neuroendocrine & Reward Pathways

Department of Neuroscience Colloquium Series, Carleton University, Ottawa
Epigenetics and Plasticity in the Developing Brain

CUMC Psychiatry Grand Grounds
Impact of Early Life Experiences on the Developing Brain

Federation of European Societies of Neuropsychology (ESN), Basel Switzerland
Nurturing Nature: Epigenetics, Neurobiological Development, and Evolving Concepts of Inheritance

Workshop on Developmental Homology, Dalhousie University
Epigenetics and Developmental Plasticity

Gordon Research Conference: Catecholamines, Bates College ME
Epigenetics, maternal care, and variation within the mesolimbic dopamine circuit

Meeting of the International Ethological Conference (IEC) and the Animal Behavior Society (ABS), Bloomington, Indiana
Epigenetics and the Inheritance of Behavioral Variation

International Workshop on Perinatal Effects Shaping Individual Phenotypes, Linköping University
Epigenetics and the Impact of the Perinatal Environment

Neonatal Advanced Practice Nursing Forum, Washington D.C.
Emerging Evidence on the Long-Lasting Epigenetic Impact of Early Life Adversity

Examining Gene-Environment Interactions in the Social Sciences, Columbia Population Research Center
The Dynamic Interplay Between Environments and Genes

Annual Meeting of the Society for Biological Psychiatry, San Francisco CA
Effects of Perinatal Maternal Stress on Gene Expression & Neurodevelopment

Department of Psychology, University of British Columbia, Vancouver
Plasticity, Epigenetics, and Environmental Influences on the Developing Brain

CUMC Child Psychiatry T32 Fellows Seminar
Epigenetics and the Developing Brain

Rosalind Franklin Chicago Medical School, Neuroscience Seminar Series
Epigenetics and the Developing Brain

Symposium on Prenatal Stress, Child Outcomes and Mediating Mechanisms, Society for Research in Child Development, Montreal
Effects of Perinatal Maternal Stress on Gene Expression & Neurodevelopment

NIH Neuroscience Seminar Series, Bethesda
Epigenetics: Mechanisms and Implications for Studying the Interplay Between Genes and the Environment

University of Illinois at Urbana-Champaign Neuroscience Seminar
Epigenetics and Plasticity in the Developing Brain

101st Annual Meeting of the American Psychopathological Association (APPA), New York
Epigenetics and Vulnerability to Psychopathology and Violence

American Museum of Natural History, Neuroscience and Child Development Seminar
Epigenetics and the Developing Brain

Brown Bag Seminar, Institute for Health at Rutgers University
Epigenetic Perspectives on the Origins of Neurobiological and Health Outcomes

New Directions Program at the Washington Center for Psychoanalysis, Washington D.C.
Epigenetics and the Developing Brain

National Institute on the Teaching of Psychology Meeting, Florida
Epigenetics and the Environment: Putting Genes in Context

2010 American College of Neuropsychopharmacology (ACNP), Miami FL
Non-Genomic Transmission of Maternal and Paternal Effects

"The Amazing Power of Genetics" Seminar Series, Swathmore College
Epigenetics and the Social Environment: Implications for Brain, Behavior, and Inheritance

Society for Neuroscience Symposium: Transgenerational inheritance and epigenetics: animal models of neuropsychiatric disease, San Diego

57th Annual Meeting of the American Academy of Child & Adolescent Psychiatry, Evolution and Psychiatry: Adaptation or Disorder?, New York

Symposium on "*The Future Roles of Cutting-Edge Methods in the Study and Treatment of Childhood Disorders*", The Italian Academy, Columbia University

Workshop on the Social and Biological Determinants of Parenting, University of Toronto
Epigenetic Effects of Mother-Infant Interactions: Implications for the Transmission of Parental Behavior Across Generations

Mahoney Institute of Neurological Sciences Colloquium, University of Pennsylvania
Transgenerational Impact of the Social Environment

Center for Research on Ethical/Legal/Social Implications of Psychiatric, Neurologic & Behavioral Genetics: *The Genetics & Epigenetics of Behavioral Variation*

13th International Institute on Developmental Science (IIDS), NYU New York
Genes in Context: Epigenetic Impact of the Social Environment

Institute of Psychiatry MRC Social, Genetic, and Developmental Psychiatry (SGDP) Research Centre, London UK: *Transgenerational Impact of the Social Environment*

NIH Summer Institute, Transdisciplinary Research: Integrating Genetic and Social Work Research, Bethesda: *Overview of Epigenetics*

16th German-American Frontiers of Science Symposium, Potsdam, Germany: *Epigenetics and the Transgenerational Impact of the Social Environment*

Work in Progress Seminar, NYPSI: *Studying the Social Context of Development in Rodents: Methods, Mechanisms, and Challenges*

Bowen Center Meeting: The Impact of Relationships on Individual Variation, Georgetown: *The Transgenerational Influence of Social Experiences: Implications for the Brain and Behavior*

SUNY New Paltz Evolutionary Studies Seminar: *Nurturing Nature: Epigenetics and the Transmission of Behavior Across Generations*

CUNY Brooklyn College Department of Psychology Seminar Series: *Transgenerational Impact of the Social Environment*

NYU Department of Psychology Social Neuroscience Colloquium, New York: *Transgenerational Impact of the Social Environment*

University of Virginia, Biochemistry, Molecular Biology and Genetics (BMBG) Seminar: *Epigenetic Perspectives on the Transmission of Behavioral Traits*

Indiana University Program in Neuroscience Seminar, Bloomington, Indiana: *Transgenerational Impact of the Social Environment*

Columbia Population Research Center Seminar, New York: *The Transgenerational Impact of the Social Environment on Epigenetics and Behavior: Implications for Risk and Resilience*

Panel on "Stress and the central role of the brain in health inequities" at the *American Association for the Advancement of Science (AAAS)* Annual Meeting, February 18-22, San Diego, California

Department of Psychology Social Snack Seminar, Columbia University
Epigenetic Influence of Social Experiences Across the Lifespan

23rd *Annual Gravens Conference* on the Physical and Developmental Environment of the High Risk Infant, Plenary & Workshop, February 3-6, Clearwater, Florida

Keynote Panel at the *Society for Personality and Social Psychology* Annual Meeting
January 28-30, Las Vegas, Nevada

2009 Center for Neurobiology & Behavior, Columbia University New York
Epigenetics, Inheritance, and Reproduction

Columbia Doctoral Program in Neurobiology and Behavior Bootcamp
Columbia University, New York NY

NIMH Sponsored Meeting on Early Life Programming of Neurodevelopmental Disorders
Epigenetics and the Transmission of Behavior Across Generations

National Institute of Aging Workshop on Genetic Approaches to Personalized Behavioral Interventions
Early adversity and developmental outcomes: Interaction between genetics, epigenetics and social experiences across the lifespan

2009 Gordon Conference on Neural Circuits & Plasticity
Influence of the Social Environment on Epigenetic Modification in the Developing Brain

Grand Rounds for the Division of Child & Adolescent Psychiatry at Columbia University
Epigenetics and the Transmission of Maternal Effects Across Generations

Presidential Symposium at the Association for Psychological Science Annual Meeting
Nurturing Nature: Epigenetics and the Transmission of Behavior Across Generations

Wharton Fund Dinner and Fundraiser
Genes are not Destiny: How Experience and Environment Influence the Brain

NIMH Brain Camp at Cold Spring Harbor
Epigenetics and the Long-Term Effects of Early Experience

British Neuroscience Association Annual Meeting, Liverpool UK
DNA Methylation and the Epigenetic Regulation of Reproductive Behavior

Rushton Lecture Series, Florida State University
Epigenetics and the Transmission of Behavior Across Generations

Department of Molecular & Cellular Biology, Harvard University

Epigenetics and the Transmission of Traits Across Generations

Nemours Biomedical Research Centre, Willmington DE
Parent-of-Origin Effects on Maternal Behavior within and Across Generations

WIP Seminar at the Dept. of Molecular Imaging & Neuropathology, Columbia University/NYSPI
Epigenetics and the Transmission of Traits Across Generations

24th Annual Winter Conference : Current Issues in Developmental Psychobiology
Maternal Effects Across Generations: Epigenetic Mechanisms and Plasticity

2008 Frontiers in Addiction Research: NIDA Mini-Convention, Washington D.C.
Epigenetics Mechanisms Mediating Maternal Effects on Brain and Behavior

The New York Psychoanalytic Society & Institute Lecture Series
Epigenetics and the Transmission of Behavior Across Generations

Carolina Consortium on Human Development Seminar Series
Center for Developmental Science, University of North Carolina at Chapel Hill
Epigenetics and the Long-Term Effects of Early Experience

Neurolunch Seminar Series, Department of Biology, Columbia University New York NY
Parent-of-origin effects on development in mice

2nd Annual Meeting of the Translational Research on Child Neglect Consortium
Longitudinal Studies of Neglect Across the Life Course : Causes, Consequences, and Mediators
The Epigenetic Effects of Maternal Care and Neglect

IOM Annual Meeting: Is Biology Destiny? The Interaction of Biological, Behavioral and Social Determinants of Health, Institute of Medicine, Washington D.C.
The Interplay of Genes and the Environment in Determining Plasticity Across the Life Span

Fourth Annual NIH Director's Pioneer Award Symposium, Bethesda MD
Transgenerational Impact of Maternal Care in Mice

Columbia Doctoral Program in Neurobiology and Behavior Bootcamp
Columbia University, New York NY

Symposium : Developmental Plasticity and the Origins of Risk and Resilience
116th Annual Convention of the American Psychological Association
Epigenetics and the Transmission of Behavior Across Generations

Café Science
PicNic Market & Café, New York NY
Nurturing Nature: The Impact of Social Experiences on the Brain

The Columbia University Population Center's Signature Research Area Group on Children, Youth and Families: Mini-Conference on "Early Influences on Later Outcomes"
Nurturing Nature: The Epigenetic Effects of Mother-Infant Interactions

NIDA Symposium on Gene-Environment-Development Interactions
161st Annual Meeting of the American Psychiatric Association
Epigenetic Influence of Early Development

Grand Rounds at the Child Study Center Yale University
Epigenetic Mechanisms and the Transmission of Maternal Effects Across Generations

Genesis Faraday Workshop on Genetics and Genomics of Livestock Behaviour Traits
Moredun Research Institute, Edinburgh UK
The Influence of Social Environment on Epigenetics and Behaviour

Robert Wood Johnson Health Scholars Working Group Meeting
Mailman School of Public Health, Columbia University
A Primer on Epigenetics

NIA Workshop on Genetic Methods and Life Course Development
Bethesda Maryland
Epigenetics and the long-term effects of early experience

The Philoctetes Center for the Multidisciplinary Study of Imagination
New York Psychoanalytic Institute
Roundtable on "*The Development of Temperament During the First Three Years of Human Life*"

Yale Clinical Psychology Seminar Series
The Epigenetics of Early Experience

Imprints Center Seminar Series, Columbia University NY
Epigenetic Persepctives on the Enduring Effects of Early Experiences

2007 National Academy of Sciences Panel on the Prevention of Mental Disorders and Substance Abuse Among Children, Irvine California,
Epigenetics and the Long-term Effects of Early Experience

Michigan State University Neuroscience Program Seminar
Transgenerational Impact of Mother-Infant Interactions in Rodents

Meeting of the International Society for Developmental Psychobiology
Catamaran Resort Hotel & Spa, San Diego CA
Transgenerational Impact of Mother-Infant Interactions in Rodents

Duke University Department of Psychology & Neuroscience Colloquium
Epigenetics Primer & Transgenerational Impact of Mother-Infant Interactions

Columbia University Doctoral Program in Neurobiology & Behavior Retreat
Epigenetic Effects of Maternal Care

NYU Child Study Center Grand Rounds
Epigenetic Transmission of Maternal Care Across Generations

Behavioral Neuroscience Seminar, Department of Psychology Yale University

Transgenerational Effects of Maternal Care

The 16th Hakone Psychopharmacological Symposium, Hakone, Japan
Maternal Effects on Gene Expression and Behaviour

2007 International Ethological Conference, Dalhousie University, Halifax
The Paternal Origins of Maternal Epigenetic Effects in Mice

Parental Brain Conference, Boston MA
Epigenetic Mechanisms and the Transmission of Maternal Care Across Generations

NIH Workshop on Endophenotypes in Genetic Studies of Suicide Behavior, Columbia University
Epigenetic Mechanisms Mediating Individual Differences in Gene Expression and Behavior

NIDA Workshop, Annual Meeting of the American Psychiatric Association, San Diego
Epigenetic Regulation of Individual Differences in Gene Expression & Behavior

School of Journalism, Columbia University
The Role of Genes, Environments, and Epigenomes in Shaping Adult Behavior

Department of Psychiatry, Seaver and New York Autism Center of Excellence
Mount Sinai School of Medicine NY
The Role of Genes, Environments, and Epigenomes in Shaping Adult Behavior

Annual Meeting of the Group for the Advancement of Psychiatry (GAP)
Epigenetic Programming of Gene Expression and Behavior

Boston University Medical School Seminar Series
Epigenetic mechanisms in the transmission of maternal care across generations

2006 American College of Neuropsychopharmacology (ACNP) Annual Meeting
Epigenetic Transmission of Reproductive Behavior Across Generations

American Academy of Child and Adolescent Psychiatry (AACAP) Annual Meeting, San Diego
Epigenetic Programming of Gene Expression & Behavior

Department of Psychology Colloquium, Columbia University New York
Transgenerational Effects of Social Experience on Brain & Behavior

Developmental Psychobiology Seminar Series, Columbia University New York
Environmental influence on the transmission of social behavior across generations

Center for Neurobiology & Behavior, Columbia University New York
Epigenetic regulation of individual differences in gene expression and behavior

Federation of European Neuroscience Societies (FENS) Annual Meeting, Vienna Austria
Epigenetic Regulation of Individual Differences in Gene Expression & Behavior

Society for Behavioral Neurendocrinology Annual Meeting, Pittsburgh PA,

The role of epigenetic modification in mediating natural variations in reproductive behavior

Workshop on Genetics and Psychiatry, Addenbrooke's Hospital Cambridge UK
Epigenetic mechanisms mediating individual differences in gene expression and behaviour

2005 Minisymposium : Epigenetic Mechanisms and Gene Networks in the Nervous System Society for Neuroscience Meeting, Washington D.C.
Epigenetic Programming by Maternal Care

Centre for Behavioural and Clinical Neuroscience, Behavioural Neuroscience Seminar Series, Cambridge University UK
Epigenetic Regulation of Maternal Behaviour and Stress Responsivity

Institute of Neuroscience, University of Newcastle UK
Neuroendocrine and Behavioural Consequences of Mother-Infant Interactions

Department of Zoology, University of Cambridge UK
Developmental Origins of Behavioural Phenotypes in Rodents: The Role of Maternal Care

NIDA Workshop: Epigenetics & Adaptation of Drug Abuse, Washington DC
Environmental Regulation of Epigenetic Modification

Babraham Institute Seminar Series, Cambridge UK
Gene-Environment Interactions in the Transmission of Maternal Behaviour Across Generations

Winter Conference on Current Issues in Developmental Psychobiology, Panama
Gene-Environment Interactions in the Transmission of Maternal Behavior Across Generations

2003 Mother and Infant: Perinatal Influences on Health Meeting, Montreal
Naturally occurring variations in maternal behavior: Neural mechanisms and alterations through environmental manipulation

Symposium on How "Nature and Nurture" Impact Child Development at the American Association for the Advancement of Science, Denver, Colorado
Maternal care and the development of individual differences in stress reactivity

2002 Lifelong Learning Network Meeting, Yokohama, Japan
Maternal care, gene expression and brain development: evidence for intergenerational effects

2001 Psychiatry Research Day, McGill University
Role of Oxytocin Receptors in the Expression of Maternal Behaviour

Neuroscience Research Day, Douglas Hospital Research Centre
Prenatal Stress Effects on Maternal Behaviour: Consequences for Stress Responsivity of Offspring

Poster Presentations

Lapp HE, Deveraux E, Salazar M, Misztal P, **Champagne FA** (2024) The postnatal environment affects volatile organic compounds emitted by rat pups. *28th Annual Meeting of the Society for Behavioral Neuroendocrinology*. June 23-26, Columbus, Ohio.

Lauby SC, **Champagne FA** (2024) Postnatal maternal care interacts with prenatal bisphenol exposure on ESRRG gene expression and co-expressed gene profiles in the developing hypothalamus of female rat offspring. *28th Annual Meeting of the Society for Behavioral Neuroendocrinology*. June 23-26, Columbus, Ohio.

Mahach KM, Seese SO, Howard AE, **Champagne FA**, Curley JP (2024) Communal rearing influences on offspring social behavior and hypothalamic transcriptome profiles of CD-1 mice. *28th Annual Meeting of the Society for Behavioral Neuroendocrinology*. June 23-26, Columbus, Ohio.

Lapp H, Salazar M, **Champange F**. (2024) The limited bedding model of early adversity affects offspring cues for maternal behavior and dam milk composition. *Stress Neurobiology Workshop 2024*; Boston, June 4-7, 2024.

Ross D, Arasappan D, Wylie D, Nemeroff C, **Champagne F** (2023) Differential DNA Methylation Related to Trauma Type in the PTSD Brain. *ACNP 62nd Annual Meeting* Dec 3-6, 2023, Tampa, Florida

Nelson K, Yang H, Salas L, Cohen J, Rayport Y, Herbstman J, Rauh V, Beebe B, Fifer W, Fox N, **Champagne F**, Shuffrey L, Margolis AE. (2023) Associations between prenatal exposure to secondhand smoke (SHS) and infant attention in a New York City longitudinal prospective birth cohort. In: *The 70th Annual Meeting of the American Academy of Child and Adolescent Psychiatry*; 2023 Oct 23-28; New York (NY); AACAP; 2023. Abstract nr 45872.

Lauby S (2023) Maternal care received interacts with prenatal bisphenol exposure effects on neurodevelopmental and later-life behavior outcomes in rats. *56th Annual Meeting of the International Society for Developmental Psychobiology* Abstract ID Number: AB21

Lapp HE, Margolis A, **Champagne FA** (2022) Impact of a bisphenol A, F, and S mixture and maternal care on the brain transcriptome of rat dams and pups. *Parental Brain 2022*

Abuaish S, Lee S, Tyko B, **Champagne FA**, Monk C (2022) High maternal BMI is associated with perinatal depression and increased inflammation. *Parental Brain 2022*

Lapp H, Salazar M, **Champagne FA** (2022) Limited bedding affects dam milk composition and pup cues for maternal behavior. *26th Annual Meeting of the Society for Behavioral Neuroendocrinology*

Lapp H, Salazar M, **Champagne FA** (2021) Effects of limited bedding and nesting material on pup cues for maternal behavior. *International Society for Developmental Psychobiology*

Lapp H, Salazar M, **Champagne FA** (2021) Effects of limited bedding and nesting material on pup huddling and pup cues for maternal behavior. *Society for Social Neuroscience*

Lapp H, **Champagne FA** (2020) Prenatal exposure to bisphenol A, S, and F effects on dam-pup interactions, brain gene expression, and offspring cognition (SOC2). *International Society for Developmental Psychobiology*

McCormack C, Lauriola V, Spann M, Berry O, Lee S, Mitchell A, **Champagne F**, Monk C (2020) Maternal childhood maltreatment, lifestyle factors, and immune activation during pregnancy. *Psychosomatic Medicine*

Scorza P, Delahaye F, **Champagne F**, Lee S, Feng T, Wapner R, Liu G, Monk C (2019) Sex differences in placental epigenetic aging. *Biological Psychiatry*

Firestein MR, Romeo R, Wapner RJ, **Champagne FA** (2019) Autism-related behaviors in children exposed prenatally to maternal preeclampsia and polycystic ovary syndrome. *International Symposium of the Fetal Brain,* Washington, DC.

Firestein MR, Romeo R, Wapner RJ, **Champagne FA** (2018) Preeclampsia and polycystic ovary syndrome are associated with increased autism risk: Prenatal maternal testosterone and male susceptibility. *International Society for Developmental Psychobiology*, San Diego, CA.

McCormack C, **Champagne F**, Liu G, Lee S, Feng T, Monk C (2018) Comparison of methods to assess early-life adversity and their association with maternal immune activation during pregnancy. *Parental Brain 2018: Biological & Behavioral Perspectives on Parental Health*

Qiu J, Singh P, De Paolis A, Cardoso L, **Champagne F**, Rodriguez-Contreras A (2018) Defining the relationship between maternal care behavior and hearing development in Wistar rats. *ARO 41st Mid-Winter Meeting, Association for Research in Otolaryngology*

Winstead H, Firestein M, **Champagne FA** (2017) Bisphenol A (BPA) Impacts placental gene expression in a dose-dependent and sex-specific manner. *Annual Biomedical Research Conference for Minority Students (ABRCMS)*

Firestein MR, Kundakovic M, Khan S, Gudsnuk K, **Champagne FA** (2016) Impact of bisphenol A on gene expression within the placenta and brain. *Society for Behavioral Neuroendocrinology*

Habrylo IB, Mashoodh R, Armand S, Gudsnuk K, **Champagne FA** (2014) Sex-specific effects of chronic paternal stress on offspring development in Balb/C mice. *Society for Neuroscience Annual Meeting* (350.11)

Mashoodh R, Habrylo IB, Gudsnuk K, **Champagne FA** (2014) Germline and maternal pathways in the transmission of paternal food restriction stress. *Society for Neuroscience Annual Meeting* (584.07)

Mashoodh R Gudsnuk K, Habrylo IB, **Champagne FA** (2014) Maternal and germline pathways in the transmission of paternal food restriction. *Keystone Symposia on Cellular & Molecular Biology: Epigenetic Programming and Inheritance*

Mashoodh R, Gudsnuk KM, Habrylo IB, Franks B, **Champagne FA** (2013) Paternal transmission of chronic food restriction in C57BL/6 mice. *Society for Neuroscience Annual Meeting* (174.11)

Pena CJ, **Champagne FA** (2013) Postnatal over-expression of estrogen receptor-alpha in the medial preoptic area of females reverses the effects of low maternal care. *Society for Neuroscience Annual Meeting* (59.07)

Kundakovic M, Franks B, Gudsnuk K, **Champagne FA** (2013) Bisphenol A-induced fetal programming of cognitive (dys)function. *Society for Neuroscience Annual Meeting* (81.15)

Gonzales KL, Jensen-Pena CL, **Champagne FA** (2013) Sex differences in epigenetic mechanisms that regulate 11ßhsd-2 in the placenta, fetal and neonatal brain. *Society for Behavioral Neuroendocrinology* (P1.10)

Kundakovic M, Gudsnuk K, Perera FP, Miller RL, **Champagne FA** (2012) Sex-specific epigenetic disruption and behavioral changes following low-dose in utero Bisphenol A exposure. *Society for Neuroscience Annual Meeting* (384.30)

Gonzales KL, Jensen CL, Monk C, **Champagne FA** (2012) Prenatal stress influences epigenetic mechanisms that regulate 11β-hydroxysteroid dehydrogenase-2 in the placenta and fetal brain. *Society for Neuroscience Annual Meeting* (388.09)

Jensen CL, Neugut YD, Champagne FA (2012) Sensitive periods for the impact of maternal care on offspring behavior and region-specific gene expression. *Society for Neuroscience Annual Meeting* (483.14)

Curley JP, Branchi I, D'Andrea I, Champagne FA, Cirulli F, Alleva E (2012) Social enrichment during early-life facilitates the ability of individuals to establish their own social dominance status in adulthood. *Society for Neuroscience Annual Meeting* (630.14)

Franks B, Higgins ET, **Champagne FA** (2012) Individual differences and stress: insights from regulatory focus theory. *Animal Behavior Society*

Jensen CL, Neugut D, **Champagne FA** (2012) Sensitive periods for the impact of maternal care on offspring behavior and region-specific gene expression. *Society for Behavioral Neuroendocrinology* (P2.36)

Liberman SA, Mashoodh R, Thompson RC, Dolinoy DC, **Champagne FA** (2012) Hippocampal Nr3c1 methylation profiles associated with maternal behavior are not detectable in fecal DNA in the mouse. *Society for Behavioral Neuroendocrinology* (P2.30)

Jensen CL, Calarco C, **Champagne FA** (2011) Dopamine circuitry and reward behaviors associated with maternal care. *Society for Neuroscience Annual Meeting* (86.14)

Kundakovic M, Gudsnuk K, Perera FP, Miller RL, **Champagne FA** (2011) Epigenetic effects and behavioral consequences of low-dose in utero bisphenol A exposure. *Society for Neuroscience Annual Meeting* (499.23)

Curley JP, Draper-Reich EE, **Champagne FA** (2011) Individual differences in male mouse parental behavior: Genetic, neuroendocrine, & experiential influences. *Society for Neuroscience Annual Meeting* (86.15)

Donaldson ZR, Piel D, Calizo I, Campbell K, Beck SG, **Champagne FA**, Hen R (2011) Postnatal knock-down of serotonin 1a autoreceptors increases adult anxiety levels. *Society for Neuroscience Annual Meeting* (412.11)

Donaldson Z, **Champagne FA**, Hen R (2011) Postnatal knock-down of serotonin 1a autoreceptors increases adult anxiety levels. *2011 Wisconsin Symposium on Emotion*

Mashoodh R, Wang JY, Franks B, Curley JP, **Champagne FA** (2011) Parental transmission of social experiences in Balb/c mice. *2011 Wisconsin Symposium on Emotion*

Mashoodh R, Wang JY, Franks B, Curley JP, **Champagne FA** (2010) Parental transmission of social experiences in Balb/c mice. *Society for Neuroscience Annual Meeting* (187.6)

Jensen CL, **Champagne FA** (2010) Variations in maternal care program development of site-specific hormone receptor differences. *Society for Neuroscience Annual Meeting* (187.7)

Grenald S, Jensen CL, Curley JP, Brunelli S, **Champagne FA** (2010) Developmental origins of variation in estrogen receptor α levels in the brain. *Society for Neuroscience Annual Meeting* (187.8)

Wan M, **Champagne FA** (2010) Agreement Among Experts in Ratings of Emotion in Dogs. *Canine Science Forum*

Jensen CL, **Champagne FA** (2010) Variation in maternal care programs development of site specific hormone receptor differences. *Society for Behavioral Neuroendocrinology (*P1.80)

Craft TKS, Jensen CL, Steinfeld S, Curley JP, Shair H, **Champagne FA**, Moore H (2010) Influence of maternal care on the development of incentive motivation amongst infant and juvenile rats. *Society for Behavioral Neuroendocrinology* (P2.15)

Mashoodh R, Wang JY, Franks B, Curley JP, **Champagne FA** (2010) Transgenerational effects of paternal social experiences on offspring development in balb/c mice. *Society for Behavioral Neuroendocrinology* (P3.19)

Franks B, Curley JP, **Champagne FA** (2010) Interplay between maternal care and play behavior during development in mice. *Society for Behavioral Neuroendocrinology* (P3.85)

Swaney WT, Jensen CL, Mahoodh R, Curley JP, **Champagne FA** (2009) Sexual experience-mediated changes in male neuronal responses to female odours. *Society for Neuroscience Annual Meeting* (273.6)

Craft TK, Steinfeld S, Curley JP, Shair H, **Champagne FA**, Moore H (2009) Naturally occurring differences in maternal care alter infant, juvenile, and adolescent behaviors in rat offspring. *Society for Neuroscience Annual Meeting* (371.2)

Jordan ER, Curley JP, Swaney WT, **Champagne FA** (2009) Recovery of social behavior in Balb/c mice through enrichment of the postnatal environment. *Society for Neuroscience Annual Meeting* (371.3)

Craft TK, Curley JP, Moore H, & **Champagne FA** (2009) Naturally occurring differences in maternal behaviour influence early incentive behaviour in rat pups. *Society for Behavioral Neuroendocrinology* (P1.14)

Swaney WT, Curley JP, Dubose B, & **Champagne FA** (2008) The effects of sexual experience on social, reproductive and exploratory behaviors and neuroendocrine pathways in the male mouse. *Society for Neuroscience Annual Meeting* (594.3)

Curley JP, Ballagh IH, & **Champagne FA** (2008) Individual differences in mouse maternal care across contexts. *Society for Neuroscience Annual Meeting* (795.16)

Champagne FA, Curley JP, Swaney WT, Kammel S, & Izraelit A (2008) Influence of weaning age on sex-differences in offspring development**.** *Society for Neuroscience Annual Meeting* (795.6)

Ballagh IH, Curley JP, Swaney WT, Jordan ER & **Champagne FA** (2008) Communal nesting induces alternative emotional, social, reproductive and cognitive behavior in offspring. *Society for Neuroscience Annual Meeting* (795.7)

Editorial Boards & Committees

2024	Graduate School Awards Review Committee, UT Austin
2023-present	CNS-COLA-DMS Neuroscience Task Force co-Chair
2023	UT Graduate School Dean Search Committee
2020-2021	WCWH Cluster Hire Committee
2020-2023	UT Austin Independent Inquiry Flags Committee
2019-2023	Department of Psychology Diversity Committee
2019-2021	Institute for Neuroscience Executive Committee
2018-2019	Co-Editor for Special Issue of *Journal of Neuroendocrinology*: Parental Brain Conference 2018
2019-2023	Graduate Advisory Committee, Department of Psychology, University of Texas, Austin
2018-present	Parental Brain Advisory Committee
2017-present	Whole Communities Whole Health Theme Organizing Committee
2017-2020	Committee on Fostering Healthy Mental, Emotional, and Behavioral Development Among Children and Youth; National Academies of Sciences, Engineering, and Medicine
2017	Advisory Board Member for Health and Learning: A biosocial investigation into the impact of health on children's learning (LearnWell)
2016-2019	Integrative Science Initiative Steering Committee, Association for Psychological Science
2014-2019	Co-Chair Russell Sage Foundation Biology and Social Science Working Group
2014-present	Editorial Board Member for *NeuroEpigenetics*
2011-present	Editorial Board Member for *Hormones & Behavior*
2011	Early Childhood Interventions Global Working Group Member (Human Capital and Economic Opportunity Working Group – University of Chicago)
2011-2017	Consultant for the Animal Behavior Core of the Rose F. Kennedy Intellectual and Developmental Disabilities Research Center at Albert Einstein College of Medicine
2011-present	Associate Editor at *Frontiers in Epigenomics*
2012-present	Network on Reversibility Member (NIH)
2010-2020	Associate Editor at *Frontiers in Child and Neurodevelopmental Psychiatry*
2008-present	Consulting Editor at *Behavioral Neuroscience*
2008-present	Reviewing Editor at *Frontiers in Behavioral Neuroscience*
2016-2017	Columbia University, Department of Psychology Budget Committee
2016-2017	Co-Chair Neurodevelopment Consortium, Columbia University
2015-2016	Co-Editor of Special Issue of *Current Directions in Behavioral Sciences* on Developmental Programming of Behavior
Spring 2014	Scientific Advisory Meeting, Research Consortium on Toxic Stress and Health, Center on the Developing Child, Harvard University
2014-2017	Presidential Scholars in Society and Neuroscience Advisory Committee
2013-2014	Advisory Board Member, BRAINS R01 (NIMH; PI- Stacy Drury)
2012-2014	Program Committee, Society for Behavioral Neuroendocrinology
2011-2014	Editorial Board Member for *Endocrinology*
2010-2017	Columbia University Steering Committee for ELSI Studies
2009, 2012	Columbia University, Department of Psychology Panel on Writing and Publishing
2009-2011	Co-Editor of Special Issue of *Hormones and Behavior* on Behavioral Epigenetics
2009-2010	Guest Editor for a special section on “Epigenetics” in *Developmental Psychobiology*
2009	CU Neurobiology & Behavior Graduate Program Retreat Organizing Committee

2009	Columbia University, Department of Psychology Administrative Coordinator Job Application Review
2009	Barnard College Developmental Faculty Search Committee
2008	Barnard College Developmental Faculty Search Committee
2008	Columbia University, Rabi Scholars Application Review Committee
2007- 2016	Columbia University Institutional Animal Care and Use Committee (IACUC)
2007-2009	Columbia University, Department of Psychology Colloquium Series Organizer
2006-2016	Columbia University, Department of Psychology Graduate Admissions Committee
2006-2016	Columbia University, Director of Undergraduate Studies, Department of Psychology
2006-2016	Columbia University, Department of Psychology Curriculum Committee
2006- 2016	CU Neurobiology & Behavior Graduate Program Admissions Committee

Symposia & Conference Organization

2022-2023	27th Annual Meeting of the *Society for Behavioral Neuroendocrinology* University of Tours, Tours, France
2021-2022	26th Annual Meeting of the *Society for Behavioral Neuroendocrinology* Atlanta GA USA
2021-2022	Session Chair, Neural Mechanisms Mediating Parental Behavior, 2022 Parental Brain
2021-2022	Co-Chair, Neuroepigenetic Regulation of Brain Function and Dysregulation in Disease Symposium, 2022 Annual Meeting of the American Society for Neurochemistry
2019	Co-Organizer, Science & Advocacy Meeting, University of Texas at Austin
2019	Session Chair, *Epigenetics: Insights into Developmental Processes*, 34th Annual Mortimer D. Sackler Winter Conference
2018	Co-Organizer of the Resilience Symposium, University of Texas at Austin
2018	Organizer of the Annual Research Day, Columbia University
2017-2020	Program Committee Member for the Society for Behavioral Neuroendocrinology
2012-2018	Co-Organizer of the 2018 Parental Brain Congress
2014-2016	Academic Organizing Committee for the Workshop on Social and Behavioral Epigenetics (Bethesda, July 2014)
2011-2012	Program Committee Chair for the 2012 Annual Meeting of the Society for Behavioral Neuroendocrinology
2010-2011	Organizer and invited speaker at the APS sponsored symposium at the 3rd meeting of the Federation of European Societies of Neuropsychology (ESN), Basel Switzerland
2010	Co-Chair of SFN Symposium on *Transgenerational Inheritance and Epigenetics: Animal Models of Neuropsychiatric Disease*
2008-2009	Organizer and invited speaker at the Presidential Symposium "*The New Genetics and What it Means for Psychological Science*" at the 2009 APS annual meeting
2007	Society for Neuroscience Short Course: "*What's Wrong With My Mouse? Strategies for Rodent Behavioral Phenotyping*"

Professional Memberships

2024 – 2025	The New York Academy of Sciences
2019-present	American College of Neuropsychopharmacology
2009-present	Association for Psychological Science
2009-2012	American Association for the Advancement of Science
2004-present	Society for Behavioral Neuroendocrinology
1999-present	Society for Neuroscience
2006-2008	International Society for Behavior and Neural Genetics

Grant Reviews & Review Committees

January 2024	Simons Foundation SFARI Sex Differences in ASD Collaboration (SSDC) consultant
Fall 2018-2024	Biobehavioral and Behavioral Sciences Subcommittee (NICHD)
Spring 2018	NIH Social Epigenomics and Health Disparities Study Section
Fall 2016	NIH Neurobiology of Motivated Behavior (NMB) Study Section
Spring 2016	NIH Ad-Hoc Reviewer, Social Sciences and Population Studies (B) Study Section
Fall 2015	NSF Ad-Hoc Reviewer
Summer 2014	NIA RFA on Mid-Life Reversibility of Early-Established Biobehavioral Risk Factors
Spring 2013	CIHR Behavioural Sciences Grant Review Panel
	National Science Foundation Pre-Proposal Modulation Panel
Fall 2012	National Science Foundation CAREER Proposal Review Panel
Spring 2011	Ad-Hoc Reviewer for Israel Science Foundation (ISF)
Spring 2011	Ad-Hoc Reviewer for NSERC Discovery Grants
Fall 2010	Ad-Hoc Reviewer for the Ontario Mental Health Foundation
Fall 2010	Ad-Hoc Reviewer for the National Science Foundation
Fall 2008	Autism Speaks RFA on Environmental Factors and Autism
Spring 2008	UCLA Center for Neurobiology of Stress Pilot and Feasibility Projects
Fall 2007	NSF Early Career Award Program
Spring 2007	NIAAA Review Panel for Epigenetics and Alcohol Abuse RFA

Peer Reviewer for Scientific Publications

Endocrinology	Hippocampus	Nature Neuroscience
Behavioral Neuroscience	Proceedings of the Royal Society	Neuroendocrinology
Frontiers in Behavioral Neuroscience	Journal of Child Psychology and Psychiatry	Progress in Neuro-Psychopharm. & Biological Psychiatry
Hormones & Behavior	Neuroscience	EJN
Physiology & Behavior	Brain Research	Frontiers in Neuroendocrinology
Psychoneuroendocrinology	Behavioral Brain Research	Genes, Brain, Behavior
Journal of Neuroscience	Biological Psychiatry	PNAS
Reproduction	Developmental Psychobiology	Translational Psychiatry
Nature	Journal of Neuroendocrinology	Developmental Neurobiology
Nature Medicine	Science	

Research Collaborations

University of Texas at Austin, Department of Psychology:

Dr. James Curley	neurobiological basis of social behavior
Dr. Bob Josephs	stress induced epigenetic variation

University of Texas at Austin:

Dr. Kerry Kinney	microbiome, volatilome and health
Dr. Pawel Misztal	stress and the human volatilome

University of Texas at Austin, Dell Medical School:

Dr. Charles Nemeroff	epigenetic effects of adversity; PTSD
Dr. Jeffrey Newport	prenatal epigenetic effects of maternal mental health

Columbia University, School of Public Health:

Dr. Julie Herbstman	impact of BPA on mother-infant interactions

Columbia University, School of Public Health:

Dr. William Fifer	neurodevelopmental trajectories in autism spectrum disorder
Dr. Martha Welch	prenatal and postnatal risk factors in preterm infants
Dr. Catherine Monk	prenatal maternal mood and epigenetic changes in infants

Columbia University Medical School:

Dr. Martin Picard	epigenetic effects of mitochondrial dysfunction

Dr. Beatrice Beebe	impact of BPA on mother-infant interactions
Dr. Ron Wapner	placental predictors of neurodevelopmental outcomes
Dr. Amy Margolis	epigenetic effects of bisphenol exposure

Columbia University, Teachers College

Dr. Kim Noble	epigenetic effects of poverty and intervention

John Jay College of Criminal Justice, The City University of New York:

Dr. Cathy Spatz Widom:	early adversity and cognitive/biological aging

Teaching/Instruction

Spring 2024	*Who do you think you are?* UGS Signature course UT Austin
Fall 2023	*Ethics, Genetics and the Brain* undergraduate lecture course, Department of Psychology, University of Texas Austin
Spring 2023	*Who do you think you are?* UGS Signature course UT Austin
Fall 2022	*Ethics, Genetics and the Brain* undergraduate lecture course, Department of Psychology, University of Texas Austin
Spring 2022	*Ethics, Genetics and the Brain* undergraduate lecture course, Department of Psychology, University of Texas Austin
Fall 2021	*Who do you think you are?* UGS Signature course UT Austin
Fall 2020	*Who do you think you are?* UGS Signature course UT Austin *The Developing Brain* undergraduate lecture course, Department of Psychology, University of Texas Austin
Spring 2020	Society for Neuroscience Epigenetics in Neurobiology Webinar: *Early Life Experience and the Epigenetic Regulation of Behavior* *Ethics, Genetics and the Brain* undergraduate lecture course, Department of Psychology, University of Texas Austin
Fall 2019	Big Biology Podcast: *Lick Your Kids* https://www.bigbiology.org/podcast#episode29
Summer 2019	Lecture on Epigenetics at the *Workshop on Autism Spectrum Disorders* at the Cold Spring Harbor Laboratory
Spring 2019	Lecture on Resilience in Plan II Freshman Seminar this coming Spring semester: "*Cultivating Resilience in College and Beyond*". Lecture on Epigenetics for BIO 382K *Introduction to Biology for Data Science* *The Developing Brain* undergraduate lecture course, Department of Psychology, University of Texas Austin
Fall 2018	*Ethics, Genetics and the Brain* undergraduate lecture course, Department of Psychology, University of Texas Austin
Fall 2017	*Ethics, Genetics and the Brain* undergraduate lecture course, Department of Psychology, University of Texas Austin
Summer 2017	CSHL Autism Spectrum Disorder Course: *Epigenetics in ASD*
Spring 2017	*Inheritance* undergraduate/graduate seminar, Department of Psychology, Columbia University Food and the Body, Columbia University, *Epigenetics and Critical Periods of Growth and Development*
Fall 2016	*The Developing Brain* undergraduate lecture course, Department of Psychology, Columbia University
Spring 2016	Days on Campus Master Class, Columbia University *Epigenetics and the Developing Brain* *Neurobiology of Reproductive Behavior* undergraduate seminar, Department of Psychology, Columbia University

	Ethics, Genetics, and the Brain, undergraduate/graduate seminar, Department of Psychology, Columbia University
Fall 2015	*The Developing Brain* undergraduate lecture course, Department of Psychology, Columbia University
Spring 2015	*Neurobiology of Reproductive Behavior* undergraduate seminar, Department of Psychology, Columbia University
	Inheritance undergraduate/graduate seminar, Department of Psychology, Columbia University
Fall 2014	*The Developing Brain* undergraduate lecture course, Department of Psychology, Columbia University
	Psychiatric Genetics Seminar for Psychiatry Residents at NYPSI
	Department of Psychology Graduate Proseminar, Columbia University
Spring 2014	*The Developing Brain* undergraduate lecture course, Department of Psychology, Columbia University
Fall 2013	Robert Wood Johnson Health Scholars Epigenetics Short Course, School of Public Health, Columbia University
	American Civilization Lecture Series, Columbia University
Summer 2013	Seminar in the Columbia University Summer Research Program for middle and high school science teachers
	Psychiatric Genetics Seminar for Psychiatry Residents at NYPSI
Spring 2013	Department of Psychology Graduate Cognitive Proseminar, Columbia University
	Neurobiology of Reproductive Behavior undergraduate seminar, Department of Psychology, Columbia University
	Ethics, Genetics, and the Brain, undergraduate/graduate seminar, Department of Psychology, Columbia University
	Columbia University, School of Journalism MA Science Seminar on Genetics, Gene x Environment Interactions, and Epigenetics
Spring 2013	Columbia University: Approaches to Contemporary Native American Education (CSER)
Fall 2012	First Year Seminar in Modern Biology, Biological Sciences, Columbia University
Spring 2012	Columbia University, School of Journalism MA Science Seminar on Genetics, Gene x Environment Interactions, and Epigenetics
	Robert Wood Johnson Health Scholars Epigenetics Short Course, School of Public Health, Columbia University
Fall 2011	*The Developing Brain* undergraduate lecture course, Department of Psychology, Columbia University
Spring 2011	*Neurobiology of Reproductive Behavior* undergraduate seminar, Department of Psychology, Columbia University
	Inheritance undergraduate/graduate seminar, Department of Psychology, Columbia University
	Psychiatric Genetics Seminar for Psychiatry Residents at NYPSI
	Seminar in *Biology of Neurologic and Psychiatric Disorders* (G4100), Columbia University
Fall 2010	*The Developing Brain* undergraduate lecture course, Department of Psychology, Columbia University
	Department of Psychology Psychobiology & Neuroscience Graduate Proseminar, Columbia University
	First Year Seminar in Modern Biology, Biological Sciences, Columbia University
Spring 2010	Columbia University School of Journalism MA Science Seminar on Genetics, Epigenetics, and Neuroscience

Fall 2009	*Neurobiology of Reproductive Behavior* undergraduate seminar, Department of Psychology, Columbia University
	Inheritance undergraduate/graduate seminar, Department of Psychology, Columbia University
Spring 2009	Department of Psychology Graduate Cognitive Proseminar, Columbia University
	Neurobiology of Reproductive Behavior undergraduate seminar, Department of Psychology, Columbia University
	Inheritance undergraduate/graduate seminar, Department of Psychology, Columbia University
	Columbia University, School of Journalism MA Science Seminar on Genetics, Epigenetics, and Neuroscience
Fall 2008	*The Developing Brain* undergraduate lecture course, Department of Psychology, Columbia University
	Department of Psychology Psychobiology & Neuroscience Graduate Proseminar, Columbia University
Fall 2008	Seminar in Epigenetics, Human Genetics Graduate Program, Sarah Lawrence College
Spring 2008	*Neurobiology of Reproductive Behavior* undergraduate seminar, Department of Psychology, Columbia University
	Inheritance undergraduate/graduate seminar, Department of Psychology, Columbia University
	Columbia University Department of Psychology Graduate Neuroscience and Behavior Seminar: *Views of Transformative & Translational Research*
	Columbia University, School of Journalism MA Science Seminar on Genetics, Epigenetics, and Neuroscience
	Robert Wood Johnson Health Scholars Epigenetics Short Course, School of Public Health, Columbia University
	Ignorance: Biological Sciences Seminar, Columbia University
Fall 2007	*The Developing Brain* undergraduate lecture course, Department of Psychology, Columbia University
Spring 2007	*Neurobiology of Reproductive Behavior* undergraduate seminar, Department of Psychology, Columbia University
	Department of Psychology Psychobiology & Neuroscience Graduate Proseminar, Columbia University
Fall 2007	Doctoral Program in Neuroscience and Behavior Seminar Series, Columbia University
Fall 2006	*The Developing Brain* undergraduate lecture course, Department of Psychology
2005-2007	Student Supervision Seminars, Department of Zoology, Cambridge University
1994-1996	*Behavioural Pharmacology*, Department of Psychology, Queen's University
1994 - 1996	*Abnormal Psychology*, Department of Psychology, Queen's University

Graduate Student Advisory Committees

Madeleine Dwortz	Doctoral candidate, UT INS, Fall 2021-present
Tyler Milewski	Doctoral candidate, UT Psychology Doctoral Program, Fall 2021-present
Ciara McAfee	Doctoral candidate, UT Psychology Clinical Program, Fall 2020-Spring 2021
Margaret Donahue	Doctoral candidate, UT INS, Fall 2020-present
Nicholas Jackson	Doctoral candidate, UT INS, Fall 2020
Dawn Guzman:	Doctoral candidate, UT INS, Fall 2018-2019
Morgan Hernandez:	Doctoral candidate, UT INS, Spring 2018-2020
Stefanie Siller:	Doctoral candidate in the PhD program in the Department of Ecology, Evolution and Environmental Biology, Columbia University, Spring 2018-Spring 2022

Krittika Krishnan:	Doctoral candidate in the PhD program in the Division of Pharmacology and Toxicology, University of Texas at Austin, Fall 2017-2018
Jason Ikpatt:	Doctoral candidate in the PhD program in the Department of Integrative Biology, University of Texas at Austin, Fall 2017-present
Won Lee:	Doctoral candidate in the PhD program in the Department of Psychology, Columbia University, Fall 2015-2020
Michelle VanTiegham:	Doctoral candidate in the PhD program in the Department of Psychology, Columbia University, Fall 2014-2019
Caitlin Williamson:	Doctoral candidate in the PhD program in the Department of Psychology, Columbia University, Fall 2014-Spring 2017
Aslihan Dincer:	Mount Sinai School of Medicine, Ph.D. candidate, Fall 2015
Cathy Jalali:	Columbia University Teacher's College, Ph.D. candidate, Fall 2015
Caitlin Howe:	Doctoral candidate in Environmental Health Sciences, Columbia University Spring 2014-2016
HaoSheng Sun:	Mount Sinai School of Medicine, Ph.D. candidate, Spring 2014
Angila Sewel:	Mount Sinai School of Medicine, Ph.D. candidate, Fall 2013
Tahilia J. Rebello:	Doctoral Program in Pharmacology and Molecular Biology, Columbia University, Spring 2012
Fair Vassoler:	University of Pennsylvania School of Medicine, Ph.D. candidate, Spring 2011-Fall 2011
Ciara Torres:	Doctoral candidate in Cellular, Molecular and Biophysical Studies, Columbia University, Spring 2010-2011
James Castellano:	Mount Sinai School of Medicine, Ph.D. candidate, Fall 2010-Summer 2011
Susan Galloway:	Graduate School of Nursing, Uniformed Services University of the Health Sciences, Ph.D. candidate, Fall 2010-present
Patricia Kabitzke:	Dept. of Psychology, Hunter College, Ph.D. candidate, Fall 2008-Spring 2010
Heather El-Amamy:	MD/PhD Neuroscience Program, Columbia University, Fall 2009-2013
Liz Leininger:	Doctoral Program in Neuroscience and Behavior, Columbia University, Spring 2007-2010
Kate Nautiyal:	Department of Psychology, Columbia University Ph.D. candidate, Fall 2007-Spring 2011

Training and Student Supervision

Undergraduate Research Trainees:

Shelby Sears:	Research assistant, Fall 2020-Summer 2022
Sofiia Semyrenko:	Research assistant, Fall 2020-Spring 2022
Madeline Severson:	Research assistant, Fall 2021-Spring 2022
Rhea Gogia:	Research assistant, Fall 2019-2020
Shomik Ati:	Research assistant, Fall 2019-2020
Robin Brown:	Research assistant, Fall 2019-2021
Victoria Agustin:	Research assistant, Spring 2019-Fall 2019
Lana Power:	Research assistant, Spring 2019
Ariel Eisenberg:	Research assistant, Spring 2019
Caroline Symcox:	Honor's research, Fall 2018-Spring 2019
Melissa Ng:	Research assistant, Fall 2017-2018
Hailey Winstead:	Honors thesis student, Fall 2016-2018
Simona Sarafinovska:	Research assistant, Fall 2015-2018
Shama Khan:	Research assistant, Spring 2015-2016
Sarah Weinstein:	Research assistant, Fall 2014-Spring 2016
Ireneusz (Irek) Habrylo:	Research assistant, Fall 2012-Spring 2015

Henry Philofsky:	Research assistant, Spring 2013-Spring 2014
Sophia Armand:	Thesis Research, Spring 2014
Lauren Eisner:	Research assistant, Summer 2013
Lauren Lepow:	Research assistant, Spring 2013
Steve Kwon:	Research assistant, Fall 2013
Alejandro Cazzulino:	Research assistant, Summer 2012- Summer 2013
Sean Lim:	2-year research project, Summer 2011- Fall 2014
Morgan Firestein:	2-year research project, Summer 2011- Fall 2012
Colleen Platt:	2-year honor's research project, Fall 2010-Spring 2012
Emma Draper-Reich:	2-year honor's research project, Fall 2010-Spring 2012
Dana Neugut:	2011 SURF student/independent study, Summer 2011-Spring 2012
Ricardo Raudales:	1-year research project, Summer 2012-Spring 2012
Jesus Madrid:	1-year research project, Summer 2012-Spring 2012
Brian Choi:	Research assistant, Spring 2010-Spring 2011
Cali Calarco:	Amgen scholar research project in Summer 2010
Joanna Wang:	2-year honor's research project, Fall 2009-Spring 2011
Kerry Li:	3 month research project in Summer 2009
Adrienne Hezghia:	3 month research project in Summer 2009
Zara Mogilevsky:	2009 Summer Undergraduate Research Fellowship (SURF) student
Alexandra Rice:	6 month research project, Spring 2009-2010
Abbie Dubin-Rhodin:	6 month research project, Spring 2009-Fall 2009
Emily Jordan:	2-year honor's research project, Fall 2007-2009
Stephanie Davidson:	2-year research project from Spring 2007-2009
Asya Izraelit:	6 month research project in Fall 2007
Brittany Dubois:	1-year research project from Spring 2007-Spring 2008
Stella Kammel:	1-year research project from Spring 2007-Spring 2008
Nicole Economou:	6 month research project in Spring 2007
Matan Gavish:	6 month research project in Spring 2007
Kristen Medeiros:	3 month research project in Summer 2007
Paul Abelkop:	2 month research project in Summer 2007
Anushree Doshi:	2007 Summer Undergraduate Research Fellowship (SURF) student
Francesco Michelassi:	2007 Summer Undergraduate Research Fellowship (SURF) student

Post-Baccalaureate Trainees:

Caroline Symcox:	Fall 2019-Summer 2020
Starr Sealey	Fall 2014-Summer 2015
Peter Okonkwo	Summer 2014-Fall 2015
Heather Cody:	Summer 2014
Laurie Thomashow:	Fall 2011–Summer 2012
Shaness Grenald:	Bridge Scholar Program Fall 2009-Spring 2011
Patrick Whelton:	Columbia's Summer Research Program for Science Teachers 2009-2010
William Sugrue:	6 month research project starting in Fall 2009
Rebeca Aragon:	9 month research project starting in Fall 2009

Graduate Research Trainees:

Amy Howard:	Ph.D. candidate, UT Psychology, Fall 2022-present
Kathryn Mahach:	Ph.D. candidate, UT Psychology, Fall 2022-present
Madeline Divine:	Ph.D. candidate, UT Psychology, Spring 2021-present
Deanna Ross:	Ph.D. candidate, UT INS, Spring 2019-present
Sam Bazzi:	Ph.D. candidate, UT INS, Fall 2018-Spring 2019

Melissa Miller:	Ph.D. candidate, UT ICMB, Spring 2018-Summer 2023
Morgan Firestein:	Department of Psychology Ph.D. candidate, Fall 2015-2019
Lorna Leandro:	Medical Student, Cambridge University, Summer 2015
Melissa Lee:	Doctoral Program in Neuroscience and Behavior, Spring 2015
Rebecca Eckler:	CUMC Master's in Nutrition candidate, Fall 2013-Summer 2014
Jeffrey Emiliani:	CUMC Master's in Nutrition candidate, Fall 2013-Summer 2014
Rahia Mashoodh:	Department of Psychology Ph.D. candidate, Fall 2008-Spring 2014
Charlotte Barkan:	Doctoral Program in Neuroscience and Behavior, Fall 2009
Cate Jensen:	Doctoral Program in Neuroscience and Behavior, Summer 2008-Fall 2012
Irene Ballagh:	Doctoral Program in Neuroscience and Behavior, Spring 2008-Fall 2008
Becca Franks:	Department of Psychology Ph.D. candidate, Fall 2007-Fall 2011
Michele Wan:	Department of Psychology Ph.D. candidate, Fall 2007-Spring 2011

Post-doctoral Trainees:

Samantha Lauby:	Department of Psychology, UT Austin, Spring 2021-present
Hannah Lapp:	Department of Psychology, UT Austin, Fall 2019-present
Martine Lappé:	CEER Fellow, Fall 2014-2016
Marivel Davila:	T32 Training Grant, Fall 2013-Fall 2015
Rikke Wesselhöft:	Visiting Fellow, Fall 2014-Summer 2015
Zoe Donaldson:	Health & Society Scholars Program/T32 Training Grant, Fall 2009-2015
Daniel Nätt:	Visiting Fellow, Spring 2014-Spring 2015
Marija Kundakovic:	Department of Psychology, Spring 2010-Summer 2014
Keith Gonzales:	Department of Psychology, Spring 2011-Summer 2013
Becca Franks:	Department of Psychology, Spring 2011-Summer 2012
Tara Craft	Sackler Institute, Spring 2009-Fall 2010
James P Curley	Department of Psychology, Fall 2007-Spring 2008
Will Swaney	Department of Psychology, Fall 2006-Spring 2009