

**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](mailto:fchampagne@utexas.edu)Website: <https://labs.la.utexas.edu/champagne/>**Education/Employment**

- Professor 2017-present  
Department of Psychology  
University of Texas at Austin
- Adjunct Associate Professor 2017-present  
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 1999 - 2004  
McGill University, Montreal, Quebec
- Masters of Science, Psychiatry 1997 - 1999  
McGill University, Montreal, Quebec
- Bachelor of Arts, Honours Psychology 1991- 1995  
Queen`s University, Kingston, Ontario

**Awards/Distinctions/Appointments**

2020	Chair, Whole Communities Whole Health (UT Bridging Barriers)
2019	President-Elect, Society for Behavioral Neuroendocrinology
2019	Graduate Advisor
2019	Associate Chair for Faculty and Student Affairs
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	Appointment as a 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:*

*UT Bridging Barriers Initiative* – Barczyk, Bearman, Castelli, Champagne, Kinney, Lawson, Mackert, Rodriguez, Maslowsky, Nagy, Schnyer (Co-PIs). UT VPR 01/2018-2028. ENgaged Texas Research ALliance (CENTRAL). A ten-year initiative with an estimated total budget of 10M.

2020-2022

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.

2018-2023

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

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.

2019-2021

Perigee Fund

Co-Investigator

*Baby's First Years RCT*

The goal of this project is to determine genome-wide epigenetic effects and epigenetic age acceleration among infants of mothers participating in a poverty reduction RCT.

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.

2016-2026

NICHD 1UG3OD023328-01

Co-Investigator

*Breaking the cycle of intergenerational disadvantage: Neurodevelopment among Puerto Rican Children*

The goal of the Extension of the Boricua Youth Study (BYS-ECHO) is to use an intergenerational design to determine key factors influencing the cycle of disadvantage in families.

*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 &amp; Adolescent Psychiatry

2008-2017

T32 Translational Research Training in Neurobiology and Behavior

**Research Focus***General:*

Behavioral &amp; 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

**Publications**

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 2<sup>nd</sup> 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, Almlı 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- $\alpha$  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)  $\gamma$  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, Gudsruk 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, Gudsruk 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 11 $\beta$ -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. *Psychoneuroendocrinology* 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

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- 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.
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### **Invited Talks, Panels, & Presentations**

**2020** 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: "Food for Thought: Experiential, Hormonal, and Neural Antecedents of Obesity", San Diego CA

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*

5<sup>th</sup> 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*

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

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*

2<sup>nd</sup> 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 Perspectives 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 Neuroendocrinology 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**

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 11 $\beta$ hsd-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 11 $\beta$ -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)
- Lieberman 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  $\alpha$  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, Mashoodh 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**

2020-present	UT Austin Independent Inquiry Flags Committee
2019-present	Department of Psychology Diversity Committee
2019-present	Institute for Neuroscience Executive Committee
2018-2019	Co-Editor for Special Issue of <i>Journal of Neuroendocrinology</i> : Parental Brain Conference 2018
2019-present	Graduate Advisory Committee, Department of Psychology, University of Texas, Austin
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 <i>NeuroEpigenetics</i>
2011-present	Editorial Board Member for <i>Hormones &amp; Behavior</i>
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 <i>Frontiers in Epigenomics</i>
2012-present	Network on Reversibility Member (NIH)
2010-2020	Associate Editor at <i>Frontiers in Child and Neurodevelopmental Psychiatry</i>
2008-present	Consulting Editor at <i>Behavioral Neuroscience</i>

2008-present	Reviewing Editor at <i>Frontiers in Behavioral Neuroscience</i>
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 <i>Current Directions in Behavioral Sciences</i> 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 <i>Endocrinology</i>
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 <i>Hormones and Behavior</i> on Behavioral Epigenetics
2009-2010	Guest Editor for a special section on “Epigenetics” in <i>Developmental Psychobiology</i>
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**

2019	Co-Organizer, Science & Advocacy Meeting, University of Texas at Austin
2019	Session Chair, <i>Epigenetics: Insights into Developmental Processes</i> , 34th Annual Mortimer D. Sackler Winter Conference
2018	Co-Organizer of the Resilience Symposium, University of Texas at Austin
2018-present	Organizer of the Annual Research Day, Columbia University
2017-present	Program Committee Member for the Annual Meeting of 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 3 <sup>rd</sup> meeting of the Federation of European Societies of Neuropsychology (ESN), Basel Switzerland
2010	Co-Chair of SFN Symposium on <i>Transgenerational Inheritance and Epigenetics: Animal Models of Neuropsychiatric Disease</i>
2008-2009	Organizer and invited speaker at the Presidential Symposium “ <i>The New Genetics and What it Means for Psychological Science</i> ” at the 2009 APS annual meeting
2007	Society for Neuroscience Short Course: “ <i>What’s Wrong With My Mouse? Strategies for Rodent Behavioral Phenotyping</i> ”

**Professional Memberships**

2019-present	American College of Neuropsychopharmacology
2009-present	Association for Psychological Science
2009-present	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**

Fall 2018-2022	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 B	Neuroendocrinology
Frontiers in Behavioral Neuroscience	Journal of Child Psychology and Psychiatry	Progress in Neuro-Psychopharm. & Biological Psychiatry
Hormones & Behavior	Neuroscience	European Journal of Neuroscience
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. Linda Noble	impact of social environments on brain injury recovery
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
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Dr. Jeffrey Newport <i>Columbia University, Department of Psychology:</i>	prenatal epigenetic effects of maternal mental health
Dr. Nim Tottenham <i>Columbia University, Department of Ecology, Evolution &amp; Environmental Biology (E3B):</i>	epigenetic effects of early life social deprivation
Dr. Dustin Rubenstein <i>Columbia University, School of Public Health:</i>	glucocorticoid DNA methylation in starlings
Dr. Julie Herbstman <i>Columbia University, School of Public Health:</i>	impact of BPA on mother-infant interactions
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
Dr. Ricky Perera & Dr. Rachel Miller <i>Columbia University Medical School:</i>	effects of prenatal exposure to pollution on offspring epigenome
Dr. Rene Hen	gene-environment interactions and behavior
Dr. John Mann	epigenetic and genetic variation and suicide/depression risk
Dr. Benjamin Tycko	DNA methylation in placenta samples from depressed mothers
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 <i>Columbia University, Teachers College</i>	epigenetic effects of bisphenol exposure
Dr. Kim Noble <i>City College of New York, Department of Biology:</i>	epigenetic effects of poverty and intervention
Dr. Adrian Rodriguez Contreras <i>Albert Einstein College of Medicine:</i>	impact of maternal care on auditory development
Dr. R. Suzanne Zukin: <i>John Jay College of Criminal Justice, The City University of New York:</i>	early life adversity effects on learning
Dr. Cathy Spatz Widom:	early adversity and cognitive/biological aging

### **Teaching/Instruction**

Fall 2020	<i>Who do you think you are?</i> UGS Signature course UT Austin <i>The Developing Brain</i> undergraduate lecture course, Department of Psychology, University of Texas Austin
Spring 2020	Society for Neuroscience Epigenetics in Neurobiology Webinar: <i>Early Life Experience and the Epigenetic Regulation of Behavior</i> <i>Ethics, Genetics and the Brain</i> undergraduate lecture course, Department of Psychology, University of Texas Austin
Fall 2019	Big Biology Podcast: <i>Lick Your Kids</i> <a href="https://www.bigbiology.org/podcast#episode29">https://www.bigbiology.org/podcast#episode29</a>
Summer 2019	Lecture on Epigenetics at the <i>Workshop on Autism Spectrum Disorders</i> at the Cold Spring Harbor Laboratory
Spring 2019	Lecture on Resilience in Plan II Freshman Seminar this coming Spring semester: <i>"Cultivating Resilience in College and Beyond"</i> . Lecture on Epigenetics for BIO 382K <i>Introduction to Biology for Data Science</i> <i>The Developing Brain</i> undergraduate lecture course, Department of Psychology, University of Texas Austin
Fall 2018	<i>Ethics, Genetics and the Brain</i> undergraduate lecture course, Department of Psychology, University of Texas Austin

- Spring 2018 *Behavioral Epigenetics* undergraduate/graduate seminar, 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**

Ciara McAfee	Doctoral candidate, UT Psychology Clinical Program, Fall 2020-present
Margaret Donahue	Doctoral candidate, UT INS, Fall 2020-present
Nicholas Jackson	Doctoral candidate, UT INS, Fall 2020-present
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-present
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:*

Rhea Gogia:	Research assistant, Fall 2019-present
Shomik Ati:	Research assistant, Fall 2019-present
Robin Brown:	Research assistant, Fall 2019-present
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:*

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-present  
 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:*

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