

Frances Anne Champagne

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Publications

JOURNAL ARTICLES

1. Beebe, B., Abdurkhmonova, G., Lee, S. H., Dougalis, G., Champagne, F., Rauh, V., Algermissen, M., Herbstman, J., & Margolis, A. E. (2024). Mother-infant self- and interactive contingency at four months and infant cognition at one year: A view from microanalysis. *Infant Behavior and Development*, 74, 101920. <https://doi.org/10.1016/j.infbeh.2023.101920>
2. Curley, J. P., & Champagne, F. A. (2023). Shaping the development of complex social behavior. *Annals of the New York Academy of Sciences*, 1530(1), 46–63. <https://doi.org/10.1111/nyas.15076>
3. Lapp, H. E., Salazar, M. G., & Champagne, F. A. (2023). Automated maternal behavior during early life in rodents (AMBER) pipeline. *Scientific Reports*, 13(1). <https://doi.org/10.1038/s41598-023-45495-4>
4. Margolis, A. E., Lee, S. H., Liu, R., Goolsby, L., Champagne, F., Herbstman, J., & Beebe, B. (2023). Associations between prenatal exposure to second hand smoke and infant self-regulation in a new york city longitudinal prospective birth cohort. *Environmental Research*, 227, 115652. <https://doi.org/10.1016/j.envres.2023.115652>
5. Wijenayake, S., Martz, J., Lapp, H. E., Storm, J. A., Champagne, F. A., & Kentner, A. C. (2023). The contributions of parental lactation on offspring development: It's not udder nonsense! *Hormones and Behavior*, 153, 105375. <https://doi.org/10.1016/j.yhbeh.2023.105375>
6. Mashoodh, R., Habrylo, I. B., Gudsruk, K., & Champagne, F. A. (2023). Sex-specific effects of chronic paternal stress on offspring development are partially mediated via mothers. *Hormones and Behavior*, 152, 105357. <https://doi.org/10.1016/j.yhbeh.2023.105357>
7. Firestein, M. R., Romeo, R. D., Winstead, H., Goldman, D. A., Grobman, W. A., Haas, D. M., Parry, S., Reddy, U. M., Silver, R. M., Wapner, R. J., & Champagne, F. A. (2022). Hypertensive disorders during pregnancy and polycystic ovary syndrome are associated with child communication and social skills in a sex-specific and androgen-dependent manner. *Frontiers in Endocrinology*, 13. <https://doi.org/10.3389/fendo.2022.1000732>
8. Lapp, H. E., Margolis, A. E., & Champagne, F. A. (2022). Impact of a bisphenol a, f, and s mixture and maternal care on the brain transcriptome of rat dams and pups. *NeuroToxicology*, 93, 22–36. <https://doi.org/10.1016/j.neuro.2022.08.014>
9. Lee, W., Milewski, T. M., Dworz, M. F., Young, R. L., Gaudet, A. D., Fonken, L. K., Champagne, F. A., & Curley, J. P. (2022). Distinct immune and transcriptomic profiles in dominant versus subordinate males in mouse social hierarchies. *Brain, Behavior, and Immunity*, 103, 130–144. <https://doi.org/10.1016/j.bbi.2022.04.015>
10. Lee, W., Dworz, M. F., Milewski, T. M., Champagne, F. A., & Curley, J. P. (2022). Social status mediated variation in hypothalamic transcriptional profiles of male mice. *Hormones and Behavior*, 142, 105176. <https://doi.org/10.1016/j.yhbeh.2022.105176>
11. Margolis, A. E., Liu, R., Conceição, V. A., Ramphal, B., Pagliaccio, D., DeSerisy, M. L., Koe, E., Selmanovic, E., Raudales, A., Emanet, N., Quinn, A. E., Beebe, B., Pearson, B. L., Herbstman, J. B., Rauh, V. A., Fifer, W. P., Fox, N. A., & Champagne, F. A. (2022). Convergent neural correlates of prenatal exposure to air pollution and behavioral phenotypes of risk for internalizing and externalizing problems: Potential biological and cognitive pathways. *Neuroscience & Biobehavioral Reviews*, 137, 104645. <https://doi.org/10.1016/j.neubiorev.2022.104645>
12. Fuentes, I., Morishita, Y., Gonzalez-Salinas, S., Champagne, F. A., Uchida, S., & Shumyatsky, G. P. (2022). Experience-regulated neuronal signaling in maternal behavior. *Frontiers in Molecular Neuroscience*, 15. <https://doi.org/10.3389/fnmo.2022.844295>
13. Firestein, M. R., Romeo, R. D., Winstead, H., Goldman, D. A., Grobman, W. A., Haas, D., Mercer, B., Parker, C., Parry, S., Reddy, U., Silver, R., Simhan, H., Wapner, R. J., & Champagne, F. A. (2022). Elevated prenatal maternal sex hormones, but not placental aromatase, are associated with child neurodevelopment. *Hormones and Behavior*, 140, 105125. <https://doi.org/10.1016/j.yhbeh.2022.105125>
14. Milewski, T. M., Lee, W., Champagne, F. A., & Curley, J. P. (2022). Behavioural and physiological plasticity in social hierarchies. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 377(1845). <https://doi.org/10.1098/rstb.2020.0443>
15. Trumpff, C., Sturm, G., Picard, M., Foss, S., Lee, S., Feng, T., Cardenas, A., McCormack, C., Champagne, F. A., & Monk, C. (2021). Added sugar intake during pregnancy: Fetal behavior, birth outcomes, and placental DNA methylation. *Developmental Psychobiology*, 63(5), 878–889. <https://doi.org/10.1002/dev.22088>
16. McCormack, C., Lauriola, V., Feng, T., Lee, S., Spann, M., Mitchell, A., Champagne, F., & Monk, C. (2021). Maternal childhood adversity and inflammation during pregnancy: Interactions with diet quality and depressive symptoms. *Brain, Behavior, and Immunity*, 91, 172–180. <https://doi.org/10.1016/j.bbi.2020.09.023>

PREPRINTS

1. Lauby, S. C., Lapp, H. E., Salazar, M., Semyrenko, S., Chauhan, D., Margolis, A. E., & Champagne, F. A. (2023). *Postnatal maternal care moderates the effects of prenatal bisphenol exposure on offspring neurodevelopmental, behavioral, and transcriptomic outcomes*. <https://doi.org/10.1101/2023.09.19.558481>
2. Lapp, H. E., Salazar, M. G., & Champagne, F. A. (2023). *Automated maternal behavior during early life in rodents (AMBER) pipeline*. <https://doi.org/10.1101/2023.09.15.557946>
3. Mashoodh, R., Habrylo, I. B., Gudsruk, K., & Champagne, F. A. (2022). *Sex-specific effects of chronic paternal stress on offspring development are partially mediated via mothers*. <https://doi.org/10.1101/2022.03.25.485798>
4. Lee, W., Milewski, T. M., Dworz, M. F., Young, R. L., Gaudet, A. D., Fonken, L. K., Champagne, F. A., & Curley, J. P. (2021). *Distinct inflammatory and transcriptomic profiles in dominant versus subordinate males in mouse social hierarchies*. <https://doi.org/10.1101/2021.09.04.458987>

BOOKS

BOOK CHAPTERS

1. Lapp, H. E., & Champagne, F. A. (2022). Rodent models for studying the impact of variation in early life mother–infant interactions on mood and anxiety. In *Psychiatric vulnerability, mood, and anxiety disorders* (pp. 309–328). Springer US. https://doi.org/10.1007/978-1-0716-2748-8_15

Professional Presentations

Dynamic Epigenetic Pathways in the Developing Brain

SYNAPSE NEUROSCIENCE SOCIETY, UNIVERSITY OF TEXAS AT AUSTIN

2023

Dynamics of parental effects on offspring development

TEXAS A&M UNIVERSITY, DEPARTMENT OF PSYCHOLOGICAL AND BRAIN SCIENCES, SEMINAR SERIES, COGNITION AND COGNITIVE NEUROSCIENCE AREA

2023

Epigenetics and Stress: Implications for Health Disparities

DEPARTMENT OF WOMEN'S HEALTH. DELL MEDICAL SCHOOL, UT AUSTIN

2023

Exploring the Relationship Between Biological and Psychological Stress

UT AUSTIN WHOLE COMMUNITIES-WHOLE HEALTH RESEARCH SHOWCASE

2023

Interplay between prenatal endocrine disruptors and postnatal social experiences in shaping development

UNIVERSITY OF TEXAS AT DALLAS (UTD) NEUROSCIENCE SEMINAR SERIES

2023

Prenatal Stress Influences on the Epigenome and Associations with Biobehavioral Outcomes

PSYCHONEUROIMMUNOLOGY RESEARCH SOCIETY

2023

Relationship Between Stress and the Epigenome

25TH SYMPOSIUM OF THE CENTER FOR NEUROENDOCRINE STUDIES, UNIVERSITY OF MASSACHUSETTS, AMHERST

2023

Differential DNA Methylation and Epigenetic Age in Postmortem Brain Tissue Associated with Depression and Post-Traumatic Stress Disorder

SOCIETY FOR BIOLOGICAL PSYCHIATRY MEETING

2022

Differential DNA Methylation and Epigenetic Age in Postmortem Brain Tissue Associated with PTSD and Depression

UT AUSTIN DEPARTMENT OF PSYCHOLOGY BEHAVIORAL NEUROSCIENCE SEMINAR

2022

Prenatal Environments and the Developing Brain: Epigenetic Pathways

ANNUAL CENTER FOR MOLECULAR CARCINOGENESIS AND TOXICOLOGY SYMPOSIUM

2022

Prenatal Epigenetics and the Emergence of Developmental Trajectories

INTERNATIONAL CONGRESS FOR INFANT STUDIES

2022

Prenatal Stress Influences on the Epigenome and Associations with Biobehavioral Outcomes	2022
2022 ANNUAL MEETING OF THE AMERICAN SOCIETY FOR NEUROCHEMISTRY	
Relationship Between Stress & the Epigenome	
UT AUSTIN DELL MED SCHOOL PSYCHIATRY GRAND ROUNDS	2022
Relationship Between Stress and the Epigenome: Implications for Health	
UCLA LABORATORY OF NEUROENDOCRINOLOGY (LNE) OF THE BRAIN RESEARCH INSTITUTE (BRI) SEMINAR SERIES	2022
Building a Healthy Human Brain	
UNIVERSITY OF VIRGINIA, DEPARTMENT OF PSYCHOLOGY (VIRTUAL)	2021
Prematurity Awareness Panel	
NYU (VIRTUAL)	2021
Prenatal modulation of molecular and neurobehavioral outcomes	
UNIVERSITY OF IOWA INSPIRE T32 FELLOWS SEMINAR (VIRTUAL)	2021
Prenatal modulation of molecular and neurobehavioral outcomes	
TEXAS STUDENT PSYCHOLOGICAL ASSOCIATION, UNIVERSITY OF TEXAS AT AUSTIN (VIRTUAL)	2021
Prenatal modulation of molecular and neurobehavioral outcomes	
UC DAVIS ANIMAL BEHAVIOR SEMINAR (VIRTUAL)	2021

Conference Abstracts

Honors

Funding

Whole Communities Whole Health	University of Texas Vice President for Research,
FUNDING: \$10,000,000	2018 - 2028
Prediction of Alcohol Use Disorder and PTSD After Trauma in Adolescents	National Institute on Alcohol Abuse and Alcoholism,
FUNDING: \$947,876	2022 - 2027
Environmental bisphenol exposure, infant brain and behavior: Human and animal models	National Institute of Environmental Health Sciences,
FUNDING: \$475,502	2021 - 2024
Understanding PTSD through Postmortem Targeted Brain Multi-omics	NIMH,
FUNDING: \$2,895,404	2018 - 2023
Socioeconomic disparities in cognitive & neural development in the first 3 years	Eunice Kennedy Shriver National Institute of Child Health and Human Development,
FUNDING: \$387,267	2018 - 2023
Child maltreatment and risk for mild cognitive impairment and Alzheimer’s disease	National Institute on Aging,
FUNDING: \$7,636,259	2018 - 2023
Prenatal endocrine-disrupting chemicals and social/cognitive risk in mothers and infants: Potential biologic pathways	National Institute of Environmental Health Sciences,
FUNDING: \$1,866,538	2017 - 2022

Service

Graduate School Awards Review Committee	UT Austin, US
MEMBER	2024 - present
Society for Behavioral Neuroendocrinology	IL, US
PAST-PRESIDENT	2023 - present
UT Graduate School Dean Search Committee	Ut Austin, US
MEMBER	2023 - present
CNS-COLA-DMS Neuroscience Task Force	UT Austin, US
CO-CHAIR	2023 - present
NICHD T32 Training Grant Common Themes in Reproductive Diversity (CTRD)	University of Indiana, Bloomington, US
EXTERNAL ADVISORY COMMITTEE	2021 - present
Department of Psychology	University of Texas at Austin, US
ASSOCIATE CHAIR OF FACULTY & STUDENT AFFAIRS	2019 - present
Department of Psychology	University of Texas at Austin, US
GRADUATE ADVISOR	2019 - present
Institute for Neuroscience	UT Austin, US
EXECUTIVE COMMITTEE MEMBER	2018 - present
Eunice Kennedy Shriver National Institute of Child Health and Human Development	Bethesda, US
COMMITTEE MEMBER	2018 - present
Simons Foundation SFARI Sex Differences in ASD Collaboration (SSDC)	New York, US
CONSULTANT	2024 - 2024
27th Annual Meeting of the Society for Behavioral Neuroendocrinology	Tours, FR
COORDINATOR	2022 - 2023
Society for Behavioral Neuroendocrinology	Schaumburg, US
PRESIDENT	2021 - 2023
Independent Inquiry Flags Committee	UT Austin, US
COMMITTEE MEMBER	2020 - 2023
Department of Psychology Graduate Advisory Committee	UT Austin, US
CHAIR	2019 - 2023
Department of Psychology Diversity Committee	UT Austin, US
COMMITTEE MEMBER	2019 - 2023
WCWH Cluster Hire Committee	University of Texas at Austin, US
MEMBER	2020 - 2021
Society for Behavioral Neuroendocrinology	Schaumburg, US
PRESEIDENT-ELECT	2019 - 2021

Mentoring and Teaching

MENTORING

Amy Howard	2022 - present
DISSERTATION ADVISOR	
Kathryn Mahach	2022 - present
DISSERTATION ADVISOR	
Madeline Streifer	2021 - present
DISSERTATION COMMITTEE MEMBER	
Margaret Donahue	2020 - present
DISSERTATION COMMITTEE MEMBER	

Deanna Ross	
DISSERTATON ADVISOR	2019 - <i>present</i>
Melissa Miller	
DISSERTATON ADVISOR	2018 - <i>present</i>
Jason Ikpatt	
DISSERTATION COMMITTEE MEMBER	2017 - 2023
Ciara McAfee	
DISSERTATION COMMITTEE MEMBER	2020 - 2022
Morgan Hernandez	
DISSERTATION COMMITTEE MEMBER	2018 - 2022
Stefanie Siller	
DISSERTATION COMMITTEE MEMBER	2018 - 2021

TEACHING

Who do you think you are?	
INSTRUCTOR	2023 - <i>present</i>
Ethics, Genetics and the Brain	
INSTRUCTOR	2022 - <i>present</i>
Who do you think you are?	
INSTRUCTOR	2021 - 2021