

Caroline Smith Curriculum Vitae

Straus Family Sesquicentennial Assistant Professor
Department of Psychology & Neuroscience
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2023-present	, Department of Psychology & Neuroscience, Boston College
2019-2023	, Duke University, <i>Advisor: Dr. Staci Bilbo</i>
2017-2019	, Harvard Medical School, <i>Advisor: Dr. Staci Bilbo</i>
2013-2017	, Boston College, <i>Advisor: Dr. Alexa Veenema</i>
2011-2013	, Boston College, <i>Advisor: Dr. Alexa Veenema</i>
2010-2011	, Boston College, Veenema Lab
2010	, University of Massachusetts Amherst, Forger Lab
2005	



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2020

, Cold Springs Harbor Glia in Health and Disease, *virtual meeting*

2020

, Center for Human Health and the Environment, Raleigh, NC

2018

,

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Bordt E.A., Block C.L., Petrozziello T., Sadri-Vakili G., , Edlow A.G., Bilbo S.D. (2020) Isolation of microglia from mouse or human tissue, *Star Protocols*, 1(1):100035.

, Bhanot A., Norman E., Mullett J.E., Bilbo S.D., McDougale C.J., Zurcher N.R., Hooker J.M. (2019) A protocol for sedation-free MRI and PET imaging in adults with autism spectrum disorder. *Journal of Autism and Developmental Disorders*, 49(7):3036-3044.

, Bilbo S.D. (2019) Microglia sculpt sex differences in social behavior. *Neuron*, 102:276-277.

Kopec A.M., , Bilbo S.D. (2019) Neuroimmune mechanisms regulating social behavior: Dopamine as mediator? *Trends in Neurosciences*, 42(5): 275-277.

, DiBenedictis B.T., Veenema A.H. (2019) Comparing vasopressin and oxytocin fiber and receptor density patterns in the social behavior neural network: Implications for cross-system signaling. *Frontiers in Neuroendocrinology*, 53:100737.

Edlow A.G., Glass R.M., Tran P.K., James K., Bilbo S.D. (2019) Placental Macrophages: A window into fetal neuroimmune function in maternal obesity. *International Journal of Developmental Neuroscience*, 77:60-68.

Bordt E.A., , Demarest T.G., Bilbo S.D., Kingsbury M.A. (2019) Mitochondria, Oxytocin, and Vasopressin: Unfolding the inflammatory protein response. *Neurotoxicology Research*, 36(2):239-256.

Kopec A.M., Ayre N.R., Sweat S.C.#, Bilbo S.D. (2018) Microglial dopamine receptor elimination defines sex-specific nucleus accumbens development and social behavior in adolescent rats. *Nature Communications*, 9(1): 3769.

, Ratnaseelan A.M.#, Veenema A.H. (2018) Robust age, but limited sex, differences in μ -opioid receptors in the rat brain: relevance for reward and drug-seeking behavior in juveniles. *Brain Structure & Function*, 223:475-488.

, Wilkins K.B. *Brain Structure & Function*, 2018. <https://doi.org/10.1007/s00428-018-2421-8>
#, Veenema A.H. (2018) Nucleus accumbens μ -opioid receptors regulate context-specific social preferences in the juvenile rat. *Psychoneuroendocrinology*, 95:143-154. <https://doi.org/10.1016/j.psyneuen.2018.07.014>

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Dang Nguyen (Duke University)
Karen Malacon (Harvard University)
Jazmin Mogavero (Boston College)
Kevin Wilkins (Boston College)
Aarane Ratnaseelan (Boston College)
Sara Li (Boston College)

2010-present

of:

Kate Guittari (Summer high school student, Duke University)
Jasmine Parker (Summer high school student, Duke DUNE program)
Virginia

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11/2021

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- Kopec A. M., Ayre N.R., Sweat S.C., Bilbo S.D. " *The natural developmental relationship between microglia and dopamine D1 receptors is altered by adolescent morphine exposure in the nucleus accumbens*" Society for Neuroscience, Washington D.C., 2017
- Ratnaseelan A.M, Li S., Tulimieri M.T., Veenema A.H. " *Involvement of mu opioid receptors in the regulation of juvenile social novelty-seeking behavior: brain region specific effects and modulation by social separation*" Society for Neuroscience, San Diego CA, 2016

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Mogavero J.N., Wilkins K.B., Reardon K.I., Bredewold R., Veenema A.H. "*Role of opioids, oxytocin, and stress in modulating social novelty-seeking behavior in the juvenile rat*" Society for Social Neuroscience, San Diego, CA,

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Murray E.K., _____, Hien A., Varnum M.M., De Vries G.J., Forger N.G., "*Effect of perinatal HDAC inhibitor administration on sexually dimorphic cell death in the BNST*" Society for Neuroscience, San Diego, CA, 2010

Veenema A.H., Bredewold R., Taylor P., _____, De Vries G. J., "*Role of vasopressin and oxytocin in the emergence of social behaviors*" Society for Behavioral Neuroendocrinology, Toronto, Canada, 2010