KEVIN G. BATH
CURRICULUM VITAE

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RESEARCH INTERESTS

Circuit Development
Early Life Stress
Anxiety/Depression
Memory Development
Sex Differences

ACADEMIC POSITIONS

2014- Present	Assistant Professor, Department of Cognitive, Linguistic, and Psychological Sciences, Brown University, Providence, RI
2011- Present	Director, Rodent Behavior Phenotyping Core Facility, Brown University, Providence, RI
2011- 2014	Assistant Professor (Research), Department of Neuroscience, Brown University, Providence, RI
2009-2011	Instructor, Department of Psychiatry, Weill Cornell Medical College, New York, NY
2006-2011	Visiting Fellow, Laboratory of Neuroendocrinology (McEwen), Rockefeller University, New York, NY
2006-2009	Postdoctoral Fellow, Department of Psychiatry, Weill Cornell Medical College, New York, NY

EDUCATION

2006	Ph.D., Psychology; Cornell University, Ithaca, NY
2000	B.S. in Psychology; *cum laude*, Northern Michigan University Marquette, MI

GRANTS

2018-2023	NIH- R01- MH115049- NIMH- (*PI:* K.G. Bath) "Mechanisms driving sex differences in cognitive outcomes following early life stress"	$3,006,838
2017-2022	NIH- R01- MH115914- NIMH- (*PI:* K.G. Bath) "Effect of Early Life Stress on Threat Learning"	$1,981,557

2017- 2018	Hassenfeld Child Health Innovation Award (*Co-PI:* K.G. Bath) "Neural mechanisms by which socioeconomic status shapes brain development"	$25,000
2017-2018	Norman Prince New Frontiers Fund (*Co-PI*: K.G. Bath) "Molecular mechanisms of the impact of early adversity on neural development: focus on mitochondria"- Competing Renewal	$30,000
2016-2017	INBRE- Pilot Investigator Award (*PI:* K.G. Bath) "Effects of early life stress on neurobehavioral development"	$40,000
2016-2017	Norman Prince New Frontiers Fund (*Co-PI*: K.G. Bath) "Molecular mechanisms of the impact of early adversity on neural development: focus on mitochondria"	$30,000
2015-2016	NIGMS- COBRE Pilot Research Award (*PI:* K.G. Bath) "DRD4 contributes to negative symptoms in mental illness"	$40,000
2014-2015	BIBS Innovation Award (*Co-PI:* K.G. Bath) "Integrated computational psychiatry: Behavioral, neurophysiological, and optogenetic testing of anti-psychotic-driven aberrant learning in the cortico-striatal D2 pathway"	$100,000
2014-2015	Norman Prince New Frontiers Fund (*Co-PI*: K.G. Bath) "Of mice and methylation"	$30,000
2013-2014	Epilepsy Foundation: Research Grant (*PI*: K.G. Bath) "Neurotrophins and fetal anticonvulsant syndrome"	$50,000
2011-2012	Mahoney Pilot Research Award: Brown Institute for Brain Sciences (*Co-PI*: K.G. Bath) "Impact of GPR6 on striatum-based learning"	$14,000
2011-2012	Robert J. and Nancy D. Carney Scientific Innovation Fund: Brown Institute for Brain Sciences (*Co-PI*: K.G. Bath) "Brain like computing system for analyzing visual scenes"	$500,000
2010-2012	NARSAD: Young Investigator Award (*PI*: K.G. Bath) "p75 neurotrophin receptor cleavage and sex differences in early life stress-induced pathology"	$60,000
2009-2011	NIMH- RC1 (*PI*: F.S. Lee; *Role:* Fellow) "Molecular mechanisms of SSRI action in childhood and adolescence"	$1,000,000
2009	DeWitt-Wallace Fund- New York Community Trust Pilot Research Grant, (*PI*: K.G. Bath) "Investigation of olfactory behavioral plasticity in transgenic mice"	$11,000
2008-2012	NIMH- P50 (*PI*: B.J. Casey; *Role:* Fellow) "Impact of BDNF genotype and stress on learning and brain development"	$10,000,000

MENTORED GRANTS

2018-2022	NIH- F99-NS105219- (*PI:* G. Manzano-Nieves; *Role:* Supervisor)	

	"Effects of early life stress on functional development of prefrontal-amygdala connectivity"
2017-2020	NIH- F31- NRSA- NIMH- (*PI:* H. Goodwill; *Role:* Supervisor) $157,208 "Sexually dimorphic development of cognitive inflexibility following early life stress: the role of parvalbumin and the orbitofrontal cortex"
2017-2018	FAPESP-Scholarship- Brazil- (*PI:* L. Godoy; *Role:* Co-Supervisor)
2015-2018	NSF- GRFP- (*PI:* G. Manzano-Nieves; *Role:* Supervisor)
2013-2016	NSF- GRFP- (*PI:* A. Schilit; *Role:* Supervisor)

PUBLICATIONS (***** Denotes co-first authors with equal contributions to the work)

h-index- 30; ***i10-index***- 36; ***citations***- 4360; ***RG Score***- 35.16

Manzano-Nieves, G., Nitenson, A., Lee, H.I., Gallo, M., Johnsen, A., Bravo, M., and **Bath, K.G.** (*under review*). Revisiting old theories in new light: Early life stress delays sexual maturation in female mice. *Frontiers in Molecular Neuroscience.*

Goodwill, H.L., Manzano-Nieves, G., LaChance, P., Teramoto, S., Lin, S., Lopez, C., Stevenson, R.J., Theyel, B.B., Moore, C.I., Connors, B.W., and **Bath, K.G.** (2018). Early life stress drives sex selective impairments in reversal learning through effects on parvalbumin neurons in the orbitofrontal cortex of mice. *Cell Reports.*25(9):2299-2307. PMCID: *in process.*

Gee, D.G., **Bath, K.G.,** Johnson, C.M., Meyer, H.C., Murty, V.P., van den Bos, W., and Hartley, C.A. (2018). Neurocognitive development of motivated behavior: dynamic changes across childhood and adolescence. *Journal of Neuroscience*. *Epub ahead of print*.

Goodwill, H., Manzano-Nieves, G., Li, X., Serre, T., Lee, H.I., and **Bath, K.G.** *(*2018*)*. Early life stress and sex differences in development of anxiety and depressive-like outcomes. *Neuropsychopharmacology*. *ePub ahead of print*.

Manzano-Nieves, G., Gaillard, M., Gallo, M., and **Bath, K.G.** (2018). Early life stress increases foot-shock sensitivity threshold in both adult male and female mice. *Behavioral Neuroscience*. 132(*4*):247-57. PMCID:PMC6062448.

Dincheva, I., Yang, J., Marinic, T., Frielingsdof, H., Huang, C., Woo, T., Hempstead, B.L., Glatt, C., Jing, D.Q., **Bath, K.G.,** & Lee, F.S. (2017). Early life fluoxetine rescues anxiety-like behaviors in BDNF Val66Met mice. *American Journal of Psychiatry*. 174(*12*):1203-13. PMCID:PMC5711544.

Bath, K.G.*, Russo, S., Pleil, K., Wohleb, E., Duman, R.S., & Radley, J.J.* (2017). Circuit and synaptic mechanisms of repeated stress: a perspective from differing contexts, variability and development. *Neurobiology of Stress*. 7:57-67. PMCID:PMC5736942.

Walker, C.D., **Bath, K.G.**, Joels, M., Korosi, A., Larauche, M., Lucassen, P., Morris, M., Raineki, C., Roth, T., Sullivan, R.M., Tache, Y., Weinberg, J. & Baram T.Z. (2017). Maternal bedding restriction stress: A translational model for the study of early stress effects on neurodevelopment. *Stress.* 15:1-63. PMCID:PMC5705407.

Bath, K.G., Schilit Nitenson, A., Lopez, C., Lichtman, E., Chen, W., Gallo, M., Goodwill, H.,

and Manzano-Nieves, G. (2017). Early life stress leads to developmental and sex selective effects on performance in a novel object placement task. *Neurobiology of Stress*. 24:57-67. PMCID:PMC5408156.

Pattwell, S., & **Bath, K.G.** (2017). Emotional learning, stress, and development: An ever-changing landscape shaped by early-life experience. *Neurobiology of Learning and Memory. Epub ahead of print.*

Bath, K.G. & Pimentel, T. (2017). Effect of early postnatal exposure to valproate on neurobehavioral development and regional BDNF expression in two strains of mice. *Epilepsy & Behavior*. 70 (Pt A): 110-117. PMCID:PMC5438900.

Pattwell, S.S., Liston, C., Jing, D., Ninan, I., Yang, R, Witztum, J., Murdock, M.H., Casey, B.J., **Bath, K.G.,** Deisseroth, K., & Lee, F.S. (2016). Leveraging dynamic changes in neural circuitry during adolescence to persistently attenuate fear memories. *Nature Communications.* 24(*7*): PMCID:PMC4890178. *Epub ahead of print.*

Bath, K.G., Manzano-Nieves, G. & Goodwill, H. (2016). Early life stress accelerates neural and behavioral maturation. *Hormones and Behavior*. 82:64-71. PMCID:PMC5308418.

Doll, B., **Bath, K.G.**, Daw, N., & Frank, M.J. (2016). Variability in dopamine genes dissociates model-based and model-free reinforcement learning. *Journal of Neuroscience.* 36(4):1211-22. PMCID:PMC4728725.

Arango-Lievano, M., Lambert, W.M., **Bath, K.G.**, Garabedian, M.J., Chao, M.V., & Jeanneteau, F. (2015). Neurotrophic-priming of glucocorticoid receptor signaling is essential for neuronal plasticity to stress and antidepressant treatment. *Proceeding of the National Academy of Sciences*.112(51):15737-42. PMCID:PMC4697403.

Schilit-Nitenson, A., Stackpole, E.E., Truszkowski, T.L., Midroit, M., Fallon, J.R., & **Bath, K.G.*** (2015). Fragile X mental retardation protein regulates olfactory sensitivity but not odorant discrimination. *Chemical Senses*. *40*(5):345-50. PMCID:PMC4542900.

Hofmann, J.W., Zhao, X., De Cecco, M., Peterson, A.L., Pagliaroli, L., Manivannan, J., Hubbard, G.B., Ikeno, Y., Zhang, Y., Feng, B., Serre, T., Li, X., Qi, W., Van Remmen, H., Miller, R.A., **Bath, K.G.**, de Cabo, R., Xu, H., Neretti, N., & Sedivy, J.M. (2015). Reduced expression of the proto-oncogene *Myc* increases mouse longevity and enhances healthspan. *Cell*. *160*(3):477-88. PMCID:PMC4624921.

Cavanagh, J., Master, S., **Bath, K.G.**, & Frank, M.J. (2014). Conflict as an implicit cost in reinforcement learning. *Nature Communications*. 4;5:5394.

Yang, J., Harte, L., Siao, C.J., Marinic, T., Clarke, R., Ma, Q., Jing, D., **Bath, K.G.**, Mark, W., Ballon, D., Tessarollo, L., Lee, F.S., Scharfman, H.E., & Hempstead, B.L. (2014). ProBDNF negatively regulates neuronal remodeling, synaptic transmission, and synaptic plasticity in hippocampus. *Cell Reports*. 7(*3*):796-806. PMCID:PMC4118923.

Dincheva, I., Pattwell, S.S., Tessarollo, L., Casey, B.J., **Bath, K.G.**[#], & Lee, F.S.[#] (2014). BDNF modulates contextual fear learning during adolescence. *Developmental Neuroscience*. 36(*3-4*):269-76. PMCID:PMC4150737.

Bath, K.G., Schillit, A., & Lee, F.S. (2013). Stress effects on BDNF expression: effects of age, sex, and form of stress. *Neuroscience.* 239:149-56.

Bath, K.G., & Scharfman, H.E. (2013). Impact of early life exposure to antiepileptic drugs on

neurobehavioral outcomes based on laboratory animals and clinical research. *Epilepsy & Behavior.* 26(*3*): 427-39. PMCID:PMC3925312.

Brooks-Kayal, A.R., **Bath, K.G.**, Berg, A.T., Galanopolou, A.S., Holmes, G.L., Jensen, F.,E., Kanner, A.M., O'Brien, T.J., Whittenmore, V.H., Winawer, M.R., Patel, M., & Scharfman, H.E. (2013). Issues related to symptomatic and disease-modifying treatments affecting cognitive and neuropsychiatric comorbidities of epilepsy. *Epilepsia*. 54(*4*):44-60. PMCID:PMC3924317.

Brooks-Kayal, A.R., **Bath, K.G.**, Berg, A.T., Galanopolou, A.S., Holmes, G.L., Jensen, F.,E., Kanner, A.M., O'Brien, T.J., Whittenmore, V.H., Winawer, M.R., Patel, M., & Scharfman, H.E. (2013). Response to letter by A. Mazarati. *Epilepsia*. 54(*12*):2229-30.

Bath K.G.*, Chuang J.*, Spencer-Segal J.L., Amso D., Altemus M., McEwen B.S., & Lee, F.S. (2012). Variant brain derived neurotrophic factor (Valine66Methionine) polymorphism contributes to developmental and estrous-stage-specific expression of anxiety-like behavior in female mice. *Biological Psychiatry*. 72(*6*):499-504. PMCID: PMC3414635.

Moreno, M.M.*, **Bath, K.G.***, Kuczewski, N., Sacquet, J., Didier, A., & Mandairon, N. (2012). Action of the noradrenergic system on adult-born cells is required for olfactory learning in mice. *Journal of Neuroscience.* 32(*11*):3748-58.

Bath, K.G., Jing, D.Q., Neeb, C.C., Pattwell, S.S., Chao, M.V., Lee, F.S., & Ninan, I. (2012). BDNF Val66Met impairs fluoxetine-induced enhancement of adult hippocampus plasticity. *Neuropsychopharmacology*. 37(*5*):1297-304. PMCID: PMC3306891.

Jeanneteau F.D., Lambert W.M., Ismaili N., **Bath K.G.**, Lee F.S., Garabedian M., & Chao, M.V. (2012). BDNF and glucocorticoids regulate corticotrophin-releasing hormone (CRH) homeostasis in the hypothalamus. *Proceedings of the National Academy of Sciences.* 109(*4*):1305-10. PMCID: PMC3268297.

Bath, K.G., Akins, M.R., & Lee, F.S. (2012). BDNF control of SVZ neurogenesis. *Developmental Psychobiology.* 54(6):578-89. PMCID: PMC3139728.

Pattwell, S.S., **Bath, K.G.**, Perez-Castro, R., Lee, F.S., Chao, M.V., & Ninan, I. (2012). The BDNF Val66Met polymorphism impairs synaptic transmission and plasticity in the infralimbic medial prefrontal cortex. *Journal of Neuroscience.* 32(*7*):2410-21. PMCID: PMC3532006.

Spencer-Segal, J.L., Waters, E.M., **Bath, K.G.**, Chao, M.V., McEwen, B.S., & Milner, T.A. (2011). Distribution of phosphorylated TrkB receptor in the mouse hippocampal formation depends on sex and estrous cycle stage. *Journal of Neuroscience*. 31(*18*): 6780-90. PMCID: PMC3108038.

Pattwell, S.S., **Bath, K.G.**, Casey, B.J., Ninan, I., & Lee, F.S. (2011). Selective early-acquired fear memories undergo temporary suppression during adolescence. *Proceedings of the National Academy of Sciences.* 108(*3*):1182-7. PMCID: PMC3024661.

Ninan, I., **Bath, K.G.**, Dagar, K., Perez-Castro, R., Plummer, M.R., Lee, F.S., & Chao, M.V. (2010). The BDNF Val66Met polymorphism impairs NMDA receptor-dependent synaptic plasticity in the hippocampus. *Journal of Neuroscience*. 30(*26*):838-51. PMCID: PMC2911131.

Frielingsdorf, H., **Bath, K.G.**, Soliman, F., Difede, J., Casey, B.J., & Lee, F.S. (2010). Variant

brain derived neurotrophic factor Val66Met endophenotypes: implications for post traumatic stress disorder (PTSD). *Annals of the New York Academy of Sciences*. 1208:150-7. PMCID: PMC3032081.

Magarinos, A.M., Li, C.J., **Bath, K.G.**, Jing, D.Q., Lee, F.S., & McEwen, B.S. (2011). Effect of brain-derived neurotrophic factor haploinsufficiency on stress-induced remodeling of hippocampal neurons. *Hippocampus*. 21(*3*):253-64. PMCID: PMC2888762.

Casey, B.J., Soliman, F., **Bath, K.G.**, & Glatt, C.E. (2010). Imaging genetics and development: challenges and promises. *Human Brain Mapping*. 31(*6*):838-51. PMCID: PMC3081635.

Bath, K.G. & Lee, F.S. (2010). Neurotrophic factor control of adult SVZ neurogenesis. *Developmental Neurobiology.* 70*(5)*:339-49. PMCID: PMC2917621.

Shmelkov, S.V., Hormigo, A., Jing, D.Q., **Bath, K.G.**, Proenca, C.C., Milde, T., Shmelkov, E.V., Kushner, J., Baljevic, M., Murphy, A.J., Valenzuela, D.M., Gale, N.W., Thurston, G., Yancopoulos, G.D., Ninan, I., Lee, F.S., & Raffi, S. (2010). Slitrk5 deficiency impairs corticostriatal circuitry and leads to obsessive-compulsive-like behavior in mice. *Nature Medicine*, 16(*5*):598-602. PMCID: PMC2907076. PMCID: PMC2829261.

Soliman, F., Glatt, C.E., **Bath, K.G.**, Levita, L., Jones, R., Pattwell, S.S., Jing, D.Q., Tottenham, N., Amso, D., Somerville, L., Voss, H.O., Glover, G., Ballon, D., Liston, C., Teslovich, T., Van Kempen, T., Lee, F.S., & Casey, B.J. (2010). A genetic variant BDNF (Val66Met) polymorphism alters extinction learning in mouse and human. *Science*. 327(*5967*):863-6. PMCID: PMC2829261.

Casey, B.J., Glatt, C.E., Tottenham, N., **Bath, K.G.**, Amso, D., Altemus, M., Levita, L., Soliman, F., Jones, R., Hempstead, B.L., Thomas, K.M., Gunnar, M., Mezey, J., Clark, A., Leon, A.C., Aronson, J., & Lee, F.S. (2009). Brain-derived neurotrophic factor as a model system for examining gene by environment interactions across development. *Neuroscience.* 164(*1*):108-20. PMCID: PMC2760671.

Yu, H., Wang, Y., Pattwell, S., Jing, D.Q., Liu, T., Zhang, Y., **Bath, K.G.**, Lee, F.S., & Chen, Z.Y. (2009). Variant BDNF Val66Met polymorphism affects extinction of conditioned aversive memory. *Journal of Neuroscience.* 29(*13*):4056-64. PMCID: PMC2668145.

Carim-Todd, L.*, **Bath, K.G.***, Fulgenzi, G., Sudhirkumar, Y., Barrick, C.A., Becker, J., Buckley, H., Dorsey, S. Jing, D.Q., Lee, F.S., & Tessarollo, L. (2009). Endogenous truncated TrkB.T1 receptor regulates neuronal complexity and TrkB kinase receptor function in vivo. *Journal of Neuroscience.* 29(*3*):678-85. PMCID: PMC2719435.

Bath, K.G., Voss, H.O., Jing, D., Anderson, S.A., Hempstead, B.L., Lee, F.S., Dyke, J., & Ballon, D. (2009). Quantitative intact specimen magnetic resonance microscopy at 3.0 T. *Magnetic Resonance Imaging.* 27(*5*):678-85. PMCID: PMC2708118.

Bath, K.G., Mandairon, N., Rajagopal, R., Kapoor, R., Jing, D.Q., Chen, Z.Y., Khan, T., Proenca, C.C., Kraemer, R., Cleland, T.A., Hempstead, B.L., Chao, M.V., & Lee, F.S. (2008). Variant brain-derived neurotrophic factor (Val66Met) alters adult olfactory bulb neurogenesis and spontaneous olfactory discrimination. *Journal of Neuroscience.* 28(*10*):2383-93. PMCID: PMC2679965.

Chen, Z.Y., **Bath, K.G.**, McEwen, B.S., Hempstead, B.L., & Lee, F.S. (2008). Impact of

genetic variant BDNF (Val66Met) on brain structure and function. *Novartis Foundation Symposia.* 289:180-187. PMCID: PMC2735856.

Bath, K.G. & Johnston, R.E. (2007). Dominant-subordinate relationships in hamsters: Sex differences in reactions to familiar opponents. *Hormones & Behavior*. 51(*2*): 258-64. PMCID: PMC2717792.

Chen, Z.Y.*, Jing, D.*, **Bath, K.G.***, Ieraci, A., Khan, T., Siao, C.J., Herrera, D.G., Toth, M., Yang, C., McEwen, B.S., Hempstead, B.L., & Lee, F.S. (2006). Genetic variant BDNF (Val66Met) polymorphism alters anxiety-related behavior. *Science.* 314(*5796*):140-3. PMCID: PMC1880880.

Bath, K.G. & Lee, F.S. (2006). Variant BDNF (Val66Met) impact on brain structure and function. *Cognitive, Affective, and Behavioral Neuroscience.* 6(*1*), 79-85.

Prosen, C.A., **Bath, K.G.**, Vetter, D.E., & May, B.J. (2000). Behavioral assessment of auditory sensitivity in transgenic mice. *Journal of Behavioral Neuroscience Methods*. 97(*1*):59-67.

SELECTED CONFERENCE PRESENTATIONS

Gallo, M., Olaniyan, A., Godoy, L., Campbell, T., and Bath, K.G. (2018). Early life stress in a mouse model: An in-depth analysis of the limited bedding paradigm and its outcomes. *FLUX. Berlin.*

Manzano-Nieves, G., Johnsen, A., Bravo, M., and Bath, K.G. (2018). Early life stress alters the development of fear learning. *FLUX. Berlin.*

Bath, K.G., Manzano-Nieves, G. (2018). Early life stress has asymmetric effects on cortical and subcortical development. *Society for Neuroscience. Mini-symposium.*

Manzano-Nieves, G., Johnsen, A., Bravo, M., and Bath, K.G. (2018). Early life stress alters the development of fear learning. *Society for Neuroscience.*

Gallo, M., Campbell, T., Olaniyan, A., and Bath, K.G. (2018). The effects of early life stress on central and peripheral immune development in male and female mice. *Society for Neuroscience.*

Godoy, L., Garcia-Cairasco, N., and Bath, K.G. (2018). Early life stress and neurodevelopment: Contributions of glucocorticoid plasticity to maturational timing. *Society for Neuroscience. Selected for Early Life Press Conference.*

Johnsen, A., Manzano-Nieves, G., and Bath, K.G. (2018). Early life stress impairs the development of infantile amnesia in a mouse model. *Society for Neuroscience.*

Manzano-Nieves G., Johnsen, A., Bravo, M., and Bath, K.G. (2018). Early life stress alters the development of fear learning., *International Society for Developmental Psychobiology.*

Gallo, M., Goodwill, H., and Bath, K.G. (2018). The effects of early life stress on striatal dopamine and depressive-like behavior. *International Society for Developmental Psychobiology.*

Bath*, K.G.* and Manzano-Nieves, G. (2018). Early life stress is associated with precocious amygdala development and an unexpected dip in threat-associated freezing. *International Society for Developmental Psychobiology. Symposium.*

Bath, K.G. (2018). Mouse model of sex differences in cognitive outcomes following early life stress. *Organization for the Study of Sex Differences. Symposium Speaker.*

Bath, K.G. (2018). Early life adversity and developmental programming. *Neurobiology of Stress. Session Chair.*

Tyrka, A., Ridout, K.K., Parade, S.H., Gaillard, M., Siefer, R., Kao, H.T., Porton, B., Price, L.H., Bath, K.G. (2018). Early stress and mitochondrial DNA in human and mouse models. *Society for Biological Psychiatry.*

Shleifer, D., Gallo, M., Olaniyan, A., Campbell, T., and Bath, K.G. (2018). Observing the effects of a limited bedding paradigm on maternal care. *Summer Research Symposium.*

Seidenberg, A., Gallo, M., and Bath, K.G. (2018). The effects of early life stress on development of circuitry underlying reward processing and depression. *Summer Research Symposium.*

Gaillard, M.A., Ridout, K.R., Lopez, C., Tyrka, A., Bath, K.G. (2018). Effects of early stress on mitochondrial biogenesis and gene expression. *Brown Honors Thesis Poster Session.*

Campbell, T., Gallo, M., Bath, K.G. (2018). The effects of early life stress on MPOA development in mice. *Brown Honors Thesis Poster Session.*

Olaniyan, A., Gallo, M., Bath, K.G. (2018). The importance of resources. *Theory in Action-Brown University.*

Gonzalez Miranda, L., Manzano-Nieves, G., Bath, K.G. (2018). The effects of acetylcholine modulation on dopamine neuron depletion. *Brown Honors Thesis Poster Session.*

Vasquez, C., Amso, D., and Bath, K.G. (2018). The effects of early life enrichment on cognitive development. *Harvard NESS Symposium.*

Manzano-Nieves, G., Johnsen, A., Bravo, M., Aponte-Rivera, R.A., Bath, K.G. (2018). Early life stress alters the development of the fear circuit and fear expression in pre-adolescent mice. *SACNAS New England Regional Conference.*

Bravo, M., Manzano-Nieves, G., Bath K. (2018) Development of the neural circuit of fear-associated learning in adolescent mice. *SACNAS New England Regional Conference.*

Johnsen, A, Manzano-Nieves, G, Baskoylu, S, Bath, K.G. (2018). Translational implications on memory formation in the traumatized brain: a study on infantile amnesia in early life stress mouse models. *SACNAS New England Regional Conference.*

Tyrka, A., Ridout, K., Gaillard, M., Lopez, C., and Bath, K.G. (2017). Hippocampal Mitochondrial Gene Expression Changes with Development and Early Life Stress. *American College of Neuropsychopharmacology (ACNP) Meeting.*

Bath, K.G. and Manzano-Nieves, G. (2017). ELS is associated with precocious amygdala development and an unexpected dip in threat-associated freezing. *The Gordon Conference on Amygdala Function in Emotion, Cognition, and Disease.*

Galbraith, D., Gallo, M., Love, M., Gaillard, M., and Bath, K.G. (2017). The effect of early life stress on medial preoptic area development. *Brown Summer Research Celebration.*

Vasquez, C., Amso, D., and Bath, K.G. (2017). The effects of early life enrichment on cognitive development. *Brown Summer Research Celebration.*

Bravo, M., Manzano-Nieves, G., and Bath, K.G. (2017). Development of the neural circuit of anxiety in adolescent mice. *Brown Summer Research Celebration.*

Norena, L., Goodwill, H., Vasquez, C., Burnet, L., and Bath, K.G. (2017). Early life stress and sex specific cognitive impairment comorbid with stress-associated mental disorders. *Brown Summer Research Celebration.*

Galbraith, D., Gallo, M., Love, M., Gaillard, M., and Bath, K.G. (2017). The effect of early life

stress on medial preoptic area development. (2017). *Leadership Alliance National Symposium.*

Vasquez, C., Amso, D., and Bath, K.G. (2017). The effects of early life enrichment on cognitive development. (2017). *Leadership Alliance National Symposium.*

Chen, X., Zhang, J., Bath, K.G., Lim, Y.P., Barrios-Anderson, A., Tucker, R., Baird, G., Walsh, E., and Stonestreet, B. (2017). Inter-alpha inhibitor proteins (IAIPs) attenuate hypoxic ischemic (HI) brain injury determine by MRI in female and behavioral outcomes in male and female prenatal rats. *PAS Meeting.*

Gallo, M., Phillips, K., Bloom, C., and Bath, K.G. (2017). Inhibiting inhibition: Consequences of gabrg2 on fear and anxiety. *Mind Brain Research Day.*

Gaillard, M., Ridout, K.K., Lopez, C., Bath, K.G., and Tyrka, A., (2017). Hippocampal Mitochondrial Gene Expression Changes with Development and Early Life Stress. *Mind Brain Research Day.*

Bath, K.G. and Manzano-Nieves, G. (2017). Early life stress is associated with precocious amygdala development and an unexpected dip in fear-associated learning. *Society for Affective Science.*

Gallo, M., Manzano-Nieves, G., and Bath K.G. (2017). The effect of early life stress on sexual maturation and the development of sexually dimorphic brain regions. *Association for Psychological Science*.

Chen, X., Zhang, J., Bath, K.G., Lim, Y.P., Barrios-Anderson, A., Tucker, R., Baird, G.L., Walsh, E.G., and Stonestreet, B. (2017). Inter-alpha inhibitor proteins (IAIPs) attenuate hypoxic ischemic (HI) brain injury determined by MRI in female and behavioral outcomes in male and female neonatal rats. *Pediatric Academic Societies Meeting.*

Ridout, K.K., Gaillard, M., Tyrka, A.R., and Bath, K.G. (2017). Hippocampal mitochondrial gene expression changes with development and early life stress. *Society of Biological Psychiatry.*

Gallo, M., Gaillard, M., Manzano-Nieves, G., and Bath, K.G. (2016). Sex selective effects of early life stress on behavioral phenotypes: implications of the estrous cycle. *24th Annual Hospital Research Celebration- Rhode Island Hospital*.

Goodwill, H., Lin, S., Manzano-Nieves, G., Cohen, A., and Bath, K.G. (2016). Sex specific cognitive deficits following early life stress: a role for Parvalbumin in the orbitofrontal cortex. *Society for Neuroscience*.

Manzano-Nieves, G. & Bath, K.G. (2016). Early life stress alters the development of the fear recall and expression in pre-adolescent mice. *Society for Neuroscience*.

Huntzicker, K.B., Manzano-Nieves, G., Moss, T.M., and Bath, K.G. (2016). Brain-derived neurotrophic factor: a potential driver of the accelerated neurobehavioral development induced by early-life stress. *Society for Neuroscience*.

Manzano-Nieves, G. & Bath, K.G. (2016). Early life stress alters the development of the fear recall and expression in pre-adolescent mice. *International Society for Developmental Psychobiology*.

Huntzicker, K.B., Manzano-Nieves, G., Moss, T.M., and Bath, K.G. (2016). Brain-

derived neurotrophic factor: a potential driver of the accelerated neurobehavioral development induced by early-life stress. *International Society for Developmental Psychobiology*.

Bath, K.G., Manzano-Nieves, G., Huntzicker, K.B., Moss, T., and Goodwill, H., (2016). Mechanisms supporting accelerated hippocampus maturation following early life stress. *Society for Neuroscience*. *(Nano-symposium Co-Chair)*

Bath, K.G. Manzano-Nieves, G., Huntzicker, K., Moss, T., & Goodwill, H. (2016). Mechanisms regulating early life stress induced acceleration of neurobehavioral development. *Society for Behavioral Neuroendocrinology*.

Goodwill, H., Lin, S., Manzano-Nieves, G., Cohen, A., & Bath, K.G. (2016). Sex specific cognitive deficits following early life stress: a role for Parvalbumin in the orbitofrontal cortex. *Society for Behavioral Neuroendocrinology*.

Manzano-Nieves, G. & Bath, K.G. (2016). Early life stress alters the development of the fear recall and expression in pre-adolescent mice. *Society for Behavioral Neuroendocrinology*.

Schilit-Nitenson, A. & Bath, K.G. (2016). Early life stress inhibits olfactory perceptual learning. *Society for Behavioral Neuroendocrinology*.

Doll, B., Bath, K.G., Daw, N., Frank, M.J. (2016). Variability in dopamine genes dissociates model-based and model-free reinforcement learning. *COSYNE.*

Bath, K.G. (2015). Early life stress accelerates hippocampal circuit maturation. *Anxiety and Depression Association of America.* (symposium chair and presenter).

Bath, K.G., Manzano-Nieves, G., & Goodwill, H. (2015). Early life stress accelerates behavioral and neural maturation of the hippocampus. *Society for Neuroscience. (Hot Topic).*

Manzano-Nieves, G. & Bath, K.G. (2015). Early life stress alters the development of the fear circuit and fear learning in mice. *Society for Neuroscience.*

Vierling-Claasen-, N., Collins, A., Burke, D., Warwick, H., Rego, B., Hill, M., Bath, K.G., Frank, M.J., & Moore, C.I. (2015). Antipsychotic medications induce sustained alterations in approach/avoidance learning. *Society for Neuroscience.*

Goodwill, H., LaChance, P., Teramoto, S., & Bath, K.G. (2015). Early life stress as a model for sexually dimorphic development of negative symptoms in mice. *Society for Neuroscience.*

Bath, K.G. & Manzano-Nieves, G. (2015). Early life stress accelerates neurobehavioral development. *Society for Behavioral Neuroendocrinology.*

Bath, K.G. (2015). Behavioral outcomes associated with early life stress. *Noldus Ethovision Users Meeting.* Boston Children's Hospital.

Manzano-Nieves, G. & Bath, K.G. (2015) The effects of early life adversity on emotional memories during development. *International Society for Developmental Psychobiology.*

Huntsicker, K., Manzano-Nieves, G., & Bath, K.G. (2015) BDNF: A potential driver of early life stress associated accelerated neurobehavioral development. *Brown Summer Research Symposium.*

Gallo, M, Bath, K.G., Phillips, K., & Bloom, C. (2015). Genetic association of GABRG2 and

body dysmorphic disorder in a mouse model. *Brown Summer Research Symposium*

Cohen, A. & Bath, K.G. (2015). Long term and Acute Anxiolytic effects of ethanol ingestion. *Brown Summer Research Symposium.*

Hill. M., Warwick, H., Vierling-Claasen, N., Frank, M.J., Moore, C.I., & Bath, K.G. (2015) Testing altered learning in the D2 cortiocostriatal pathway with antipsychotic exposure. *Brown Summer Research Symposium.*

Gallo, M, Bath, K.G., Phillips, K., & Bloom, C. (2015). Genetic association of GABRG2 and body dysmorphic disorder in a mouse model. *RI-INBRE SURF Summer Research Symposium.*

Bath, K.G. & Manzano-Nieves, G. (2014). Early life stress accelerates neurobehavioral development. *International Society for Developmental Psychobiology.*

Manzano-Nieves & Bath, K.G. (2014). Early life stress impairment of select hippocampus dependent functions is sex and age specific. *International Society for Developmental Psychobiology.*

Bath, K.G. (2014). Early life stress and sex differences in development of stress-responsive circuitry in mice. *International Perinatal Brain & Behavior Network.*

Bath, K.G., Li, X., & Serre, T. (2014). Sex-selective effects of early life stress on depressive outcomes in mice: continuous home cage video monitoring as a novel method to assess outcomes. *Society for Neuroscience.*

Schilit-Nitenson, A., Stackpole, E., Fallon, J., & Bath, K.G. (2014). Mice lacking fragile X mental retardation protein have decreased olfactory sensitivity and intact spontaneous olfactory discrimination abilities. *Society for Neuroscience.*

Carr-Reynolds, M., & Bath, K.G. (2013). Potential mechanisms underlying stress effects on neurogenesis. *Summer Research Symposium*, Brown University.

Chen, W., Lichtman, E., & Bath, K.G. (2013). Effects of early-life exposure to fluoxetine on neural and behavioral development. *Summer Research Symposium*. Brown University.

Schilit-Nitenson, A. & Bath, K.G. (2013). Setting the tone: the effects of cholinergic modulation on olfactory perceptual learning. *Society for Neuroscience.*

Vierling-Claasen, N.E., Bath, K.G., Frank, M.J., & Moore, C.I. (2013). Learning and motivational cost in the D2-corticostriatal pathway: implications for antipsychotic treatment. *Society for Neuroscience*.

Bath, K.G. (2013). Preclinical models of comorbidity in epilepsy. *Anti-Epileptic Drug and Device Trials XII*. Miami, Florida.

Bath, K.G. (2013). Neurotrophins, neurodevelopment, and stress. *Mortimer D. Sackler Summer Institute on Neurodevelopmental Disorders*. Weill Cornell Medical College.

Bath, K.G. (2013). Early life exposure to VPA and its impact on early behavioral development. *Sackler Winter Meeting on Neurodevelopmental Disorders.* Turks and Caicos.

Pimentel, T. & Bath, K.G. (2013). Effects of Depacon on behavioral and cognitive function through neurotrophin modulation in mice. *Brown Research Symposium*. Brown University.

Jeanneteau, F., Lambert, M., Bath, K.G., Lee, F.S., Garabedian, M., & Chao, M.V. (2012). The creb co-activator crtc2 regulates bdnf and glucocorticoid control of corticotrophin releasing hormone (CRH) in the hypothalamus. *Society for Neuroscience*.

Bath, K.G. (2012). Continuous home cage monitoring: new tools for assessment of behavioral endophenotyping in mice. *Sackler Winter Meeting on Neurodevelopmental Disorders*. Honolulu, Hawaii.

Bath, K.G. (2012). Preclinical models of comorbidity in epilepsy. *ILAE/AES Conference on Comorbidities in Epilepsy*. London, England.

Bath, K.G., Chuang, J., Spencer-Segal, J., Amso, D., Altemus, M., McEwen, B.S., & Lee, F.S. (2011). Variant BDNF (Val66Met) impacts estrous-specific expression of anxiety-like behavior in mice. *Society for Neuroscience*.

Andrade, A.S., Bath, K.G., Burwell, R., Denome, S., & Lipscombe, D. (2011). Exon-replacement in the mouse cacna1b gene reveals CNS involvement of N-type calcium channel splicing. *Society for Neuroscience*.

Bath, K.G., McEwen, B.S., Chao, M.V., & Lee, F.S. (2010). Involvement of the BDNF receptor ($p75^{NTR}$) in the development of early life stress-induced anxiety and depressive-like behaviors. *Society for Behavioral Neuroendocrinology.*

Bath, K.G., Jing, D.S., Pattwell, S.S., Chao, M.V., Lee, F.S., & Ninan, I. (2010). BDNF Val66Met impairs fluoxetine-induced enhancement of adult hippocampus plasticity. *Society for Neuroscience.*

Bath, K.G., Dagar, K., Perez-Castro, R., Lee, F.S., Chao, M.V., & Ninan, I. (2010). The BDNF Val66Met polymorphism alters cortico-striatal neurotransmission in mice. *Society for Neuroscience.*

Jeanneteau, F., Lambert, M., Bath, K., Neubert, T., Lee, F.S., Garabedian, M., & Chao, M.V. (2010). BDNF and glucocorticoid signaling crosstalk in the HPA axis. *Society for Neuroscience.*

Pattwell, S.S., Bath, K.G., & Lee, F.S. (2009). BDNF and the development of contextual and cue-dependent fear. *Gordon Research Conference: Amygdala in Health & Disease*.

Bath, K.G., Neeb, C., Jing, D.Q., Xu, B., & Lee, F.S. (2009). Cell specific deletion of BDNF leads to defects in murine adult olfactory neurogenesis. *Association for Chemosensory Sciences.*

Bath, K.G., Jing, D.Q., & Lee, F.S. (2008). Does BDNF Val66Met attenuate the efficacy of antidepressant induced increases in hippocampal neurogenesis? *Society for Neuroscience.*

Pattwell, S.S., Bath, K.G., & Lee, F.S. (2008). BDNF and the developmental onset of contextual and cue-dependent fear in mice. *Society for Neuroscience*.

Bath, K.G., Carim-Todd, L., Tessarollo, L., & Lee, F.S. (2008). Genetic ablation of truncated TrkB isoform (TrkB.T1) increases adult olfactory bulb neurogenesis. *International Society of Olfaction and Taste*.

Pattwell, S.S., Bath, K.G., & Lee, F.S. (2008). BDNF and the developmental onset of contextual and cue-dependent fear. *28th Annual du Vigneaud Symposium*.

Bath, K.G., Mandaroin, N., Rajagopal, R., Kapoor, R., Jing, D.Q., Chen, Z.Y., Khan, T., Proenca, C.C., Kraemer, R., Cleland, T.A., Hempstead, B.L., Chao, M.V., & Lee, F.S. (2007). Variant BDNF (Val66Met) alters adult olfactory bulb neurogenesis and spontaneous olfactory discrimination. *Gordon Research Conference: Neurotrophins*.

Bath, K.G., Jing, D., Chen, Z,.Y. & Lee, F.S. (2006). Mouse model of a human gene

polymorphism in the prodomain of BDNF (Val66Met) alters neurogenesis in the olfactory system. *Association for Chemosensory Sciences*.

Bath, K.G. (2005). Stress, behavior, and the brain: studies of the golden hamster. Graduate Research Seminar, *Cornell University, Department of Psychology*.

Bath, K.G., Larimer, S.C., & Johnston, R.E. (2005). The first month stinks: effects of maternal odor on later odor preference and survival of postnatally dividing cells in hamster pups. *Society for Behavioral Neuroendocrinology*.

Bath, K.G. & Johnston, R.E. (2005). Long-term effects of acute social stress on neurogenesis in the male golden hamster dentate gyrus and olfactory bulb. *Association for Chemosensory Sciences*.

McNamara, A.M., Bath, K.G., & Linster, C. (2005). Effects of learning on Fos-activation patterns and neurogenesis in the olfactory system. *Association for Chemosensory Sciences*.

Bath, K.G., Johnston, R.E., & Altemus, M. (2004). Effects of acute social stress on neurogenesis in the male golden hamster dentate gyrus and olfactory bulb. *Society for Neuroscience*.

Bath, K.G., Altemus, M., & Johnston, R.E. (2004). Effects of acute social stress on neurogenesis in the male golden hamster dentate gyrus and olfactory bulb. *Society for Behavioral Neuroendocrinology*.

Bath, K.G. (2003). Social encounters and the AOB. *Sackler Institute for Developmental Psychobiology*, Weill Medical College of Cornell, New York, NY.

Bath K.G. & Johnston, R.E. (2002). Activation of the accessory olfactory bulb (AOB) to socially relevant stimuli and social interactions in the male golden hamster. *Society for Neuroscience*.

Bath, K.G. & Johnston, R.E. (2002). Evidence for a functional segregation within the hamster AOB: NADPH and cFos data. *Society for Behavioral Neuroendocrinology*.

Bath, K.G. & Johnston, R.E. (2002). Evidence for a functional segregation within the hamster AOB? *Association for Chemoreception Sciences*.

Bath, K.G. & Johnston, R.E. (2001). Preferential activation of neurons in rostral accessory olfactory bulb of male golden hamsters by female odors. *Association for Chemoreception Sciences*.

Gorelikow, M.L., Bath, K.G., Prosen, C.A., May, B.J., & Francis, H.W. (2001). Behavioral, electrophysiological, and anatomical correlates of age-related hearing loss in the C57BL/6J mouse. *Association for Research in Otolaryngology*.

Bath, K.G., Gorelikow, M.L., Prosen, C.A., May, B.J., & Francis, H.W. (2000). Behavioral, electrophysiological, and anatomical correlates of age-related hearing loss in the C57BL/6J mouse. *Summer Research Symposium*, Johns Hopkins Medical Campus, Baltimore, MD.

Prosen, C.A., Bath, K.G., Vetter, D.E., & May, B.J. (2000). Behavioral assessment of sensory function in transgenic mice. *Association for Research in Otolaryngology*.

Bath, K.G. & Kirkham, J. (2000). Neuropsychological measures of concussion within a population of college athletes: a methodological description. *The Michigan Academy of Science, Arts, & Letters*.

Thomas, T., McCabe, A., Lein, S., Kirmo, M., DeGrand, T., Bath, K.G., Andersen, K., & Prosen, C.A. (2000). Behavioral measures of hearing in normal & alpha-9 transgenic mice. *The Michigan Academy of Science, Arts, & Letters*.

Allen, C., Andersen, K., Bannan, R., Barch, J., Bath, K.G., Magyar, J., Plouff, M., Prosen, C.A. & Strom, T. (1999). A novel behavioral testing methodology for assessing hearing in normal and knock-out mice. *The Michigan Academy of Science, Arts, & Letters*.

Beauchamp, A., Renfrew, J., Bath, K.G., Bianco, B., Keck, J., Bannan, R., & Butler, K. (1999). The effects of dopamine receptor supersensitivity on sensory preconditioning in rodents. *The Michigan Academy of Science, Arts, & Letters*.

Beauchamp, A., Hill, D., Beck, L., Campbell, H., & Bath, K.G. (1999). Prefrontal cortex involvement in infant delayed response performance: A project overview. *The Society for Research in Child Development*.

INVITED TALKS & SYMPOSIA

2019 Harvard, McLean Center for Depression, Anxiety, and Stress (Boston, MA).
2019 Michigan State University, Department of Neuroscience (East Lansing, MI).
2019 Sackler Winter Meeting on Neurodevelopmental Disorders (Turks & Caicos).
2018 Columbia University, Department of Psychiatry (New York, NY).
2018 Centre de Reserche en Neurosicences de Lyon (Lyon, France).
2018 Neurobiology of Stress Workshop (Banff, Canada)
2018 International Society for Developmental Psychobiology (San Diego, CA).
2018 Society for Neuroscience, Mini-symposium (San Diego, CA).
2018 Brown ACF- Introduction to Faculty Research (Providence, RI).
2018 Organization for the Study of Sex Differences (Atlanta, GA).
2018 Brains and Tapas, Brain Awareness Week (Providence, RI).
2018 Yale University, Department of Psychology (New Haven, CT).
2018 Eastern Psychological Association (Philadelphia, PA).
2017 Pavlovian Society Annual Meeting (Philadelphia, PA).
2017 2nd Annual PHENO Workshop, Plenary speaker (Paris, France).
2017 Department of Psychology, University of Massachusetts (Boston, MA).
2016 Society for Neuroscience, Nanosymposium (San Diego, CA).
2016 Neurobiology of Stress Workshop, University of California (Irvine, CA).
2016 John Merck Summer Institute, Neurobiology of Developmental Disabilities.
2016 Brains in Crisis, Center for Middle Eastern Studies, Brown University.
2015 Panelist- Child Welfare Trauma Training Toolkit, School of Social Work, RIC.
2015 Panelist- Toxic Stress Workshop, Convergence Rhode Island.
2015 University of Delaware, Department of Psychological and Brain Sciences.
2015 Anxiety and Depression Association of America, Annual Meeting.
2015 John Merck Summer Institute, Neurobiology of Developmental Disabilities.

2015 Mortimer Sackler Winter Conference on Neurodevelopmental Disorders.
2015 International Society for Developmental Psychobiology, San Sebastian, Spain.
2015 Noldus Ethovision Users Meeting, Boston Children's Hospital, Boston, MA.
2014 Women & Infants Hospital, Department of Pediatrics.
2014 International Perinatal Brain and Behavior Network, Washington, D.C.
2014 International Society for Developmental Psychobiology, Washington D.C.
2014 Weill Cornell Medical College, Department of Psychiatry.
2014 Brown University, Department of CLPS.
2013 SUNY Stony Brook, Department of Psychology.
2013 Albert Einstein School of Medicine, Pediatric Grand Rounds.
2012 Women and Infants Hospital, Department of Pediatrics.
2012 ILAE/AES Working Groups Meeting for Preclinical Epilepsy Therapy Discovery.
2011 Rhode Island Hospital, Department of Neurology.
2010 Rhode Island Hospital, Department of Psychiatry.
2010 25th Winter Conference on Current Issues in Developmental Psychobiology.
2008 John Merck Summer Institute, Biology of Developmental Disabilities.
2008 New York University, Nathan Klein Institute.
2007 Society of Biological Psychiatry (Workshop).
2007 University of Memphis, Department of Psychology.
2007 John Merck Summer Institute, Neurobiology of Developmental Disabilities.
2007 New York University, Nathan Klein Institute.
2007 22nd Winter Conference on Current Issues in Development Psychobiology.
2006 New York Academy of Sciences, New York.
2005 University of Massachusetts at Amherst, Center for Neuroendocrine Studies.
2005 Weill Medical College of Cornell, Sackler Institute.
2003 Northern Michigan University, Department of Psychology.

TEACHING

2019 CLPS0150- Behavioral Neuroscience: Intro to Biological Psychiatry, Brown.
2011-2018 CLPS1193- Laboratory in Genes and Behavior, Brown.
2016 CLPS1160- Evolution and Development of the Brain, Brown.
2015-2016 CLPS1478- Translational Models of Neuropsychiatric Disorder, Brown.
2013-2018 BIOL3652- Brain Sciences (Med Ed) Lecture, Brown.
2015-2018 CLPS1980- Directed Research in CLPS, Brown.
2015 CLPS2400- Biological Foundations of the Mind, Brown.
2015 CLPS1970- Directed Reading in CLPS, Brown.

2014-2018	Neur2980- Graduate Independent Study, Brown.
2014-2018	Neur1970- Undergraduate Independent Study, Brown.
2014	Medical Impact of Translational and Basic Science- Guest Lecture, Brown.
2014	Developmental Psychology (Summer at Brown)- Guest Lecture, Brown.
2013-2014	Neur1740- Diseased Brain- Guest Lecture, Brown.
2012-2014	Neur1540- Neurobiology of Learning and Memory- Guest Lecture, Brown.
2012	CLPS1400- Neural Basis of Perception, Brown.
2007-2009	Laboratory in Neurobiology, Ithaca College

STUDENT MENTORSHIP

High School Mentoring

2013	Natalie Zeif	United Nations High School
2006-2007	Jocelyn Chuang	Bronx Science

Undergraduate Mentoring

2018-current	Daniel Shleifer	
2018-current	Madeleine Selesky	Honors 2019 (Bartnikas lab)
2017-2018	Talia Campbell	Honors 2018
2017-2018	Marques Love	
2017-current	Logan Brunet	
2017-2018	Luis Gonzalez	
2017-2018	Aliyah Olaniyan	
2016-2017	Esther Oyerinde	
2016-2018	Mizan Gaillard	Honors 2018
2016-current	Shirley Lin	UTRA 2018/Honors 2019
2016-2018	Marilyn Bravo	Honors 2018
2016-2017	Vivian Lu	
2016-2018	Angelica Johnsen	Honors 2018
2016-2018	Sahana Nazeer	Honors 2017
2015-2018	Ryan Bahar	
2014-2016	Kathleen Huntzicker	Honors 2016
2015-2016	Carolyn Rachofsky	
2015-2016	Patrick LaChance	Honors 2016
2012-2015	Melissa Hill	UTRA 2015
2015-2016	Sana Teramoto	Ind. Concentration/Solsbery Fellow
2014-2017	Hye-in Lee	UTRA 2014
2014-2016	Alexa Cohen	UTRA 2015
2013-2015	Adam Hoffman	Honors 2015
2012-2014	Hailey Huddleston	Honors 2014
2013-2015	Eric Foreman	UTRA 2013
2013-2014	Jane Hu	UTRA 2013
2012-2012	Anuj Patel	Honors 2013/Whalen Award
2012-2015	Ezra Lichtman	UTRA 2012/Honors 2015
2012-2014	Andrea Sassenrath	

2012-2014	Witney Chen	UTRA 2013/Honors 2014
2012-2014	Tiare Pimentel	Honors 2014
2012-2013	Joey Burnett	Honors 2013

Graduate Mentoring (Thesis Advisor)

2018-current	Camila Demaestri	
2017-2018	Livea Godoy	University of Sao Paolo, FAPESP Grant
2016-current	Meghan Gallo	
2013-current	Gabriela Manzano-Nieves	NSF GRPF/Open Grad Ed
2013-2018	Haley Goodwill	NRSA/Open Grad Ed/NSF honorable mention
2012-2017	Arielle Schilit Nitenson	NSF GRPF/Open Grad Ed

Graduate Mentoring (Laboratory Rotation)

2016	Kaitlyn Hajderovic	Rotation, Brown University
2013	Saba Baskoylu	Rotation, Brown University
2013	Torrey Truszkowsky	Rotation, Brown University
2011-2012	Cyrena Gawuga	Rotation, Brown University
2009	Jonathan Bardin	Neuroscience Ph.D. Student, Weill Cornell
2009	Megan Criddle	M.D./Ph.D. Student, Weill Cornell
2007	Siobhan Pattwell	Graduate Student, Weill Cornell
2007	Rebecca Jones	Graduate Student, Weill Cornell
2006	Ruchi Kapoor	M.D./Ph.D. Student, Weill Cornell
2006	Fatima Solomon	M.D./Ph.D. Student, Weill Cornell

Postdoctoral Mentoring

2015-2017	Abigail Polter	(Primary mentor: Julie Kauer)
2014-2016	Nathan Vierling-Claasen	(Primary mentor: Christopher Moore)
2013-2015	Arturo Andrade	(Primary mentor: Diane Lipscombe)

Visiting Student Mentoring

2018	Alec Seidenberg	Hunter College (BP-ENDURE)
2017	D'Nae Galbraith	Hunter College (BP-ENDURE)
2017	Chayla Vasquez	Emory University (Leadership Alliance)
2016	Zoe Frank	Queens University, Canada
2015-2016	Meghan Gallo	Providence College
2013	Melissa Carr-Reynolds	Spelman College (Leadership Alliance)
2013	Maellie Midroit	University of Lyon, France

Ph.D. GRADUATE COMMITTEE SERVICE *(*denotes Bath lab member)*

*Camila Demaestri	Brown University, Ph.D. Advisor and Committee Member.
Kara Lau	Brown University, Ph.D. Committee Member.
Samantha Keller	University of Delaware. Committee Member.
*Meghan Gallo	Brown University, Ph.D. Advisor and Committee Member.
*Gabriela Gonzalez-Nieves	Brown University, Ph.D. Advisor and Committee Member.
*Haley Goodwill	Brown University, Ph.D. Advisor and Committee Member.
Denise Werchan	Brown University, Ph.D. Committee Member.

Andrew Lynn	Brown University, Ph.D. Committee Member.
Eunkyu Hwang	Brown University, Ph.D. Committee Member.
Amanda Duffy	Brown University, Ph.D. Committee Member.
Alexander More	Brown University, Ph.D. Committee Member.
*Arielle Schilit Nitenson	Brown University, Ph.D. Advisor (Ph.D. 2017).
Brendon Kent	Brown University, Ph.D. Committee Member. (Ph.D. 2016).
Eric James	Brown University, Ph.D. Committee Member. (Ph.D. 2016).
Carolyn Graybeal	Brown/NIH GPP, Ph.D. Committee Member. (Ph.D. 2014).

M.S. GRADUATE COMMITTEE SERVICE

Jay Gil	Brown University, M.S. Committee Member.
Kelly Tam	Brown University, M.S. Committee Member.
Joseph Botros	Brown University, M.S. Committee Member.

UNIVERSITY SERVICE

Director-	Rodent Behavioral Phenotyping Core Facility
Member-	Brown University IACUC
Member-	IMSD Training Grant
Member-	Rodent Users Group
Trainer-	Neuroscience Graduate Program
Trainer-	CLPS Graduate Program
Trainer-	Advanced Neural Dynamics Training Grant
Judge-	Mind Brain Research Day

PROFESSIONAL SERVICE

Society Service

2017-	Council Member- Boston Area Neuroscience Group
2015-2018	Program Committee- Society for Behavioral Neuroendocrinology.
2015-2017	Program Committee- 2016 Stress Workshop- UC Irvine.

Editorial, Program, and Review Panel Service

2018-	NIH, Center for Scientific Review- MESH Study Section.
2017-	Special Issue Co-Editor- Frontiers in Behavioral Neuroscience.
2017-	Review Editor, Frontiers in Behavioral Neuroscience.
2016-2017	NSF GRFP 2016 Psychology 3 Review Panel.
2015-	Board of Consulting Editors- Behavioral Neuroscience.
2011	Guest Editor, Developmental Psychobiology.

Ad hoc Reviewer Service

2017-	Molecular Psychiatry.
2017-	Animal Cognition.
2017-	Behavioural Brain Research.

2017-	Frontiers in Behavioral Neuroscience.
2016-	Frontiers in Psychology.
2015-	Physiology & Behavior.
2015-	Epilepsy and Behavior.
2015-	Int. J. Developmental Neuroscience.
2015-	Developmental Science.
2015-	Journal of the Experimental Analysis of Behavior.
2015-	Neural Plasticity.
2014-	Molecular Neurobiology.
2014-	PLOS ONE.
2013-	Behavioral Neuroscience.
2011-	Neuron.
2010-	Psychoneuroendocrinology.
2010-	Developmental Psychobiology.
2010-	Journal of Neuroscience.
2010-	European Journal of Neuroscience.
2009-	Developmental Neurobiology.
2009-	Neuroscience.
2008-	Hormones and Behavior.
2008-	Human Brain Mapping.
2007-	Biological Psychiatry.
2007-	Human Molecular Genetics.

INTERNATIONAL PATENTS

Serre, T., Barhomi, Y., Nado, Z., Bath, K.G., and S. Eberhardt (Inventors).
"BABAS Brown automated behavioral analysis system"
(15/424.922- patent #10181082).

Lee, F.S., Bath, K.G., Chen, Z.Y., and B.L. Hempstead (Inventors).
"Method for determining sensitivity or resistance to compounds that activate the brain serotonin system".
(60/760,591; PCT/US2007).

Lee, F.S., Bath, K.G., Chen, Z.Y., and B.L. Hempstead (Inventors).
"Method for determining susceptibility of pre-adults to compounds that activate the brain serotonin system".
(61/061,836; PCT/US2007).

Ballon, D.J., Bath K.G., and H.U. Voss (Inventors).
"High-pass two-dimensional ladder network resonators".
(11/403,355; PCT/US2006).