

These are recent publications by investigators supported by the Delaware Center for Neuroscience Research. The name of the Center investigator is in bold print.

Amy L. Griffin and Henry L. Hallock*, (2013) Hippocampal signatures of episodic memory: Evidence from single-unit recording studies, *Front. Behav. Neurosci.*, 7:54.

Henry L. Hallock* and **Amy L. Griffin**,(2013) Dynamic coding of dorsal hippocampal neurons between tasks that differ in structure and memory demand. *Hippocampus*, 23, 169-186.

Crystal L. Shaw*, Glenn D.R.Watson*, Henry L. Hallock*, Kathryn M. Cline* and **Amy L. Griffin**, (2013) The role of the medial prefrontal cortex in the acquisition, retention, and reversal of a tactile visuospatial conditional discrimination task, *Behav. Brain Res.* 236, 94-101.

Henry L. Hallock*, Adrian R. Arreola*, Crystal L. Shaw*, Glenn D.R.Watson and **Amy L. Griffin**. (2013) Dissociable Roles of the Dorsal Striatum and Dorsal Hippocampus in Conditional Discrimination and Spatial Alternation T-Maze Tasks, *Neurobiol. Learn Mem.* 100, 108-116.

Anna Y. Klintsova, Hamilton, GF, Boschen, KE (2012) Long-Term consequences of Developmental Alcohol Exposure on Brain Structure and Function: Therapeutic Benefits of Physical Activity. *Brain Sci.* 2013, 3, 1-38; doi:10.3390/brainsci3010001

Rachel Pulverman Song L, Hirsh-Pasek K, Pruden SM, Golinkoff RM. (2013) Preverbal infants' attention to manner and path: foundations for learning relational terms. *Child Dev.* 84(1):241-52

Rachel Pulverman & Lukowski, A. F. (2012). Research is nothing to cry about, but your participants might disagree: Methods for studying infant development. In J. D. Rich (Ed.), *Research doesn't have to be boring: Techniques and methods to apply to real life* (pp. 41-72). Dubuque, IA: Kendall-Hunt.

Tania L. Roth. Epigenetics of neurobiology and behavior during development and adulthood (2012) *Developmental Psychobiology* 54, 590-597.

Jennifer Blaze*, Lisa Scheuing*, **Tania L. Roth**. (2013) Differential methylation of genes in the medial prefrontal cortex of developing and adult rats following exposure to maltreatment or nurturing care during infancy, *Developmental Neuroscience*, [*Epub ahead of print*]

Jennifer Blaze* and **Tania L. Roth**. (2013) Epigenetic mechanisms in learning and memory, *Wiley Interdisciplinary Reviews: Cognitive Science*, 2013, 4, 105-115.

Jennifer Blaze* and **Tania L. Roth**. (2013) "Exposure to caregiver maltreatment alters expression levels of epigenetic regulators in the medial prefrontal cortex" *Int J Dev Neurosci.* [*Epub ahead of print*]

Arun Asok*, Kristin Bernard*, **Tania L. Roth**, Jeffrey B. Rosen, Mary Dozier. (2013) Parental responsiveness moderates the association between early-life stress and reduced telomere length. *Development and Psychopathology*, 26, 1-10 (epub ahead of print).

Jaclyn M Schwarz and Bilbo SD (2013) Adolescent morphine exposure affects long-term microglial function and later-life relapse liability in a model of addiction. *J Neurosci.* 33(3), 961-971.

Jaclyn M. Schwarz, Smith SH, Bilbo SD, (2013) FACS analysis of neuronal-glia interactions in the Nucleus Accumbens following morphine administration, *Psychopharmacology*. [Epub ahead of print]

Mersha M, Formisano R, McDonald R, Pandey P, Tavernarakis N, **Harbinder Singh** (2013) GPA-14, a Galphai subunit mediates dopaminergic behavioral plasticity in *C. elegans*. *Behav Brain Funct.*;9(1):16.

Jia L. Song, and G.M. Wessel (2012). The forkhead transcription factor FoxY regulates *nanos*. *Molecular Reproduction & Development.* 79(10):680-8

Oulhen, N., T. Yoshida, M. Yajima, **Jia L. Song**, T. Sakuma, N. Sakamoto, T. Yamamoto. (2013) The 3'UTR of Nanos2 directs enrichment in the germ cell lineage of the sea urchin. *Developmental Biology.* 377 (1) 275–283

Mohanan, V., **Murali K. Temburni**, Kappes, J. C., & Galileo, D. S. (2013). L1CAM stimulates glioma cell motility and proliferation through the fibroblast growth factor receptor. *Clinical & experimental metastasis.* 30(4):507-20.

Lehman HL, Van Laere SJ, **Cynthia M. van Golen**, Vermeulen PB, Dirix LY, van Golen KL. (2013) Regulation of inflammatory breast cancer cell invasion through Akt/PKB phosphorylation of RhoC GTPase. *Molecular Cancer Research: 10(10):1306-18.*

Cynthia M. van Golen and van Golen KL. (2013). Inflammatory Breast Cancer Stem Cells: Contributors to aggressiveness, metastatic spread, and dormancy. *Journal of Molecular Biomarkers and Diagnosis*, 2012, S:8. doi:10.4172/2155-9929.S8-002

Publications In press

Tania L. Roth. "Epigenetic mechanisms in vulnerability and resilience to psychopathology: advances, challenges, and future promises of a new field", *Development and Psychopathology*

Stepicheva, Nadezda and **Jia L. Song**. High throughput microinjections of sea urchin zygotes. *Journal of Visualized Experiments.*