

2020 Summer Undergraduate Poster Session Abstracts

Palmitoylation and the Dopamine Transporter

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Investigating the Potential of NHE1 Activation as Potential Adjuvant Therapies in the Treatment of Ovarian Cancer

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Wnt gene family evolution across vertebrates

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Evidence for Temperature-dependent Alternative Splicing in the Bipotential Gonads of *Chelydra serpentina* Embryos

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Computational docking of the citalopram analog VK 03-51 to identify a novel binding sight on the outward facing human serotonin transporter.

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Toward identification of a novel binding site for S-citalopram analog VK03-51 by computational docking methods using an inward conformation of human serotonin transporter.

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Analysis of Wnt mRNA Expression During Gonadal Development in the Common Snapping Turtle (*Chelydra serpentina*)

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The Effects of Cadmium and Selenium on Development of Vision in Zebrafish

Lucas Radermacher¹, Colin O'Neill¹, Alexis Lohnes², Tristan Darland¹

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Identification of sulfate-reducing bacteria (SRB) on corroded pipeline in North Dakota

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Functional Analysis of Taurine Transporter Thr249Ile Mutation in HEK-293 Cells

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Phylogenetic relationships between mimetic traits across the Ctenuchina

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The Pathogens Behind Swimmers Itch

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Cross-validation of Gene Expression in the Midbrain of Neonate Mice Treated with Selective Serotonin Reuptake Inhibitors

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The Evolution of Sex Determining Genes in Insects

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α -1A: An Adrenergic Receptor's Involvement in Mediating Neurogenic Effects to Benefit Mental Health

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The Evolution of Transcription Factors Across the Animal Kingdom

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Gene Expression in Kentucky Bluegrass in Burned, Grazed, and Idle Environments

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Effect of H3K4me1 and H3K4me3 Epigenetic Marks on Gene Expression in *mus musculus*

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Mapping of gene regulatory networks to test precision and speed on FIGR

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Naïve T-Cell Fate Determination with Fast Inference in Gene Regulation (FIGR)

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Longitudinal Effects of Ethanol Exposure to Zebrafish

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