

2016 Summer Undergraduate Poster Session Abstracts

Effect of Constitutive α_{1A} -adrenergic Receptor (α_{1A} -AR) Activation on the Expression of GriK1, GriK2, and GriK3 in Female Mouse Hippocampi

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Constitutive α_{1A} -Adrenergic Receptor Activation and Gene Expression of Ccnd1 Ccnd2 and Ccnd3 in the hippocampus

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The Effect of Immortalization on the mRNA Expression of HIF1A and PPP1R3C

Seth Arntz, Alexis Antonenko, Brooke A. Freeberg, Swojani Shrestha, Andrea Slusser-Nore, Seema Somji
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Expression of LRRC19 and TSPAN1 Genes in Human Proximal Tubule Cells from Kidney

Harmoni Bahr, Daniel Saylor, Zachary Hoggarth, Swojani Shrestha, Andrea Slosser-Nore, and Jane Dunlevy
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Diabetes Amongst AI/AN Elders by Age, Income, Cultural Practices, and Residing on/off Tribal Lands

Leah Bercier, Cole Ward, Paula Carter, Jacqueline S. Gray
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A Preliminary Investigation into Metallothionein-3's Influence on the Expression of GAGE Antigens in MCF7 Cells

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SASSI-3: Substance Abuse and Comorbidity Among Northern Plains Indians

Domeequo Beston, Jacqueline S. Gray, Thomas Petros, Evelyn Ayala, Amanda Young
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Comparing Mouse Models for Alzheimer's Disease Pathology in the Brain and Small Intestine

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Expression of the Inflammatory Genes IL6 and MAP2K6 in the HK-2, HK-2(MT-3), and hTERT Cells and Human Proximal Tubule Isolates

Alyssa M. Brown, Danyelle B. Osowski, Andrea Slusser-Nore, Swojani Shrestha, and Scott H. Garrett
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Differential expression of Camk2a, Cdk5, and Trp53 in the hippocampus of constitutively active α_{1A} - Adrenergic Receptor adult female mutant mice.

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The Spatiotemporal Patterns of US Air Pollution: A Case Study of Connecticut

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Nucleosome Shifting

Barry Milavetz, Ashley Dettlaff, Danielle Perley, Meera Ajeet

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Comparison of Genetic and Morphospecies Identification Techniques to Examine a Restored Grassland Pollinator Community

Flint Devine, Tiffany Huwe, Leslie Yellow Hammer, Sami Swartz, Rebecca Simmons, Mia Park, Brett J Goodwin, Kathryn Yurkonis

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Gene Expression in Human Proximal Tubule Cell Lines

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Expression of G Protein-Coupled Receptor Genes ADGRG2, ADGRF1, and ADGRF4 in HK-2, MT-3 Induced HK-2, hTERT, and Human Proximal Tubule Cells

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Expression of KCNJ1, TRPC6 and SLC16A7 in EMT/MET

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Differential Gene Expression of Grin2c, Grin2d, and Bax in the Hippocampi of Mice with Constitutive α 1A-Adrenergic Receptors

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Constitutive α 1A-Adrenergic Receptor Activation and Gene Expression of Cyps, Casp3, and Casp6 in the Adult Female Mouse Brain

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Effect of Constitutive α 1A-Adrenergic Receptor Activation on the Expression of Stx1b, Stxbp1, and Slc18a2 in Mouse Hippocampi

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Examining the Relationship between the SCL-90-R and Cardiovascular Disease among Northern Plains Tribes

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Mast Cell Aggregation and Microglia Activation in the Central Nervous System in Response to a Food Antigen

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Differential Expression Analysis of Serotonin Transporter Knockout and M172 Transgenic Mice and the Impact on Neuronal Pathways in the Midbrain

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Identification of Temperature Sensitive Genes Associated with the Wnt-signaling Pathway During Sex Determination in the Snapping Turtle

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Whey Protein-Sensitization Increased Expression of Intestinal Indoleamine Dioxygenase 1 in Mice

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Expression of STAT1, IL-8, and p53 in HK-2, HK-2 MT-3, hTERT, and Human Proximal Tubule Cell Lines and Isolates

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Expression of INHBA and SMAD7 in the HK-2, HK-2(MT-3), hTERT, and Human Proximal Tubular Isolates and Cell Lines

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The Effects of PRKACB and SEMA3A on Human Kidney Cell Lines

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Expression of HABP2 and ADAM9 in HK-2, HK-2 MT-3, and TERT Proximal Tubule Cell Lines

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Expression of Extracellular Matrix Regulatory Proteins DCN and TGFB2 and EMT interactions with MMP7

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Expression of SIK1 and LTBP2 in Human Proximal Tubule Cell Lines

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Cultural Contradictions: Native Americans and the MMPI-2

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Expression of TNFSF10 and IRAK3 in HK-2, MT-3 induced HK-2, hTERT, and Human Proximal Tubular Cell Lines and Isolates

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Constitutive α_{1A} -Adrenergic Receptor Activation and Gene Expression of Grin1, Grin2a, Grin2b in the Mouse Brain

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Expression of SEMA6D and FGF9 Within Mortal and Immortalized Proximal Tubule Cell Cultures

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Expression of SOD2, CHRDL1, and ID4 in Human Proximal Tubule Cell Lines

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The Unique N- and C-terminal Domains of Metallothionein-3 Influence the Expression of GAGE Antigens 12H, 12G, 12C, and 2C in MCF7 Cells

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The Role of SOX9 and PPP2R3A in Epithelial-Mesenchymal Transition within the Proximal Tubule

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Expression of a Fluorescent Reporter Gene, TCF/Lef:H2B-GFP, in Snapping Turtle (*Chelydra serpentina*) Gonad Cells During Temperature-Dependent Sex Determination

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Tryptophan Hydroxylase Expression in Mice with Food Allergy

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Expression of MMP-16, COL141A, and PAPP2 in the Human Proximal Tubule

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Gene Expression of Gad1, Gabra1, and Gabrg2 from Mouse Hippocampal Tissue with Constitutively Activated α_{1A} -Adrenergic Receptors

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The Effect of Constitutive α_{1A} -Adrenergic Receptor Activation on Gene Expression of Inositol 1,4,5-Triphosphate Receptor Subtypes

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Expression of MMP1 and EREG Genes in HK-2 cells, HK-2 MT-3 cells, TERT Cells and Human Proximal Tubule Cell Cultures

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Function of GREM1 and LRP4 in Regulation of Human Kidney Cells

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Proximal Tubule Isolates

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The Important Effects and Role of SLC12A1 and CaSR on the Kidney

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Food Allergy-Induced Changes in Histamine 3 Receptor Expression in the Mouse Brain

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Evaluating the Expression of ACSL4, SLC27A2, SLC16A4, SLC2A3, and IGFBP2 in HK-2, HK-2(MT-3), and hTERT Cells and Human Proximal Tubular Isolates

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Depalmitoylation of the Dopamine Transporter by Acyl Protein Thioesterase 2

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Identifying PCSK6 Mutations in Atrial Septal Defect Patients Using Whole Exome and Genome Sequencing

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