Anatomy & Neurobiology
Student Productivity Report 2006

Publications


S.N. Thompson, T.G. Hurst, B.M. Thompson, Y. Deng, and E.D. Hall

I.N. Singh*, P.G. Sullivan*, Y. Deng, L.H. Mbye and E.D. Hall

Y. Deng, B.M. Thompson, X. Gao and E.D. Hall

V. N. Nukala, Indrapal N. Singh, Laurie M. Davis, Patrick G. Sullivan.


Thompson SN, Gibson TR, Thompson BM, Y. Deng Y., Hall ED. Relationship of Calpain –Mediated Proteolysis to the Expression of Axonal and Synaptic Plasticity Markers Following Traumatic Brain Injury in Mice. Exp Neurol. 2006Sep;201 (1) :253-65


Peer Reviewed Proceedings


Davis, L. Role of Ketones (β-hydroxybutyrate and Acetoacetate) and Mitochondria in Fasting-Induced Neuroprotection after Traumatic Brain Injury. University of Kentucky Neuroscience Day Symposium, Lexington Ky.
Deng Y., B.M. Thompson, T.G. Hurst and E.D. Hall  
Peroxynitrite-Induced Oxidative Damage Precedes Cytoskeletal Degradation and Neurodegeneration after Traumatic Brain Injury 
Poster presentation, 24th Annual National Neurotrauma Society Symposium, St. Louis, MO; July, 2006

Xing B.; D.M. Gash; G.Y. Bing* 
PPARgamma Agonist Pioglitazone Protects Dopaminergic Neurons against LPS-induced Neuronal Loss by Microglial activation.

Second-by-second L-Glutamate Recordings in the CA1 and CA3 Regions in the Young Rat Hippocampus. International Conference on In Vivo Methods, Monitoring Molecules in Neuroscience, Sardegna, Italy 2006


Talauliker P.; ‘Microelectrode array studies of L-glutamate dynamics in the rodent hippocampus’, In Vivo Methods in Neuroscience, Sardegna, Italy, May 2006

Garcia M.; V. Bondada, R. Badagu, K. K. Naga, A. Joshi, J.W. Geddes, “mu-calpain (calpain 1) is located in the mitochondrial intermembrane space” Society for Neuroscience, Atlanta, GA 2006


**Joshi A.,** Calpain-1 is located in the mitochondrial intermembrane space **M. Garcia,** V.Bondada, **A. Joshi,** J.W. Geddes Society for Neurosciences Meeting, Atlanta, GA, 2006

**Gates, J.,** Nicotinic Regulation of the Neuronal Sensitive Choline Transporter in the Mouse Striatum Society of Neuroscience Conference May 2006

**National or Regional Presentations**


**Davis, L.** Role of Ketones (β-hydroxybutyrate and Acetoacetate) and Mitochondria in Fasting-Induced Neuroprotection after Traumatic Brain Injury. National Neurotrauma Society meeting in St. Louis, MO


**Richardson A.;** The Effects of Uncoupling in an in vitro Model of Excitotoxicity Presented in the Medical Center at the University of Kentucky Sponsored by the Anatomy and Neurobiology Department Lexington, KY April, 2006

**Richardson A.;** A Screen for Novel Agents in Treatment of Parkinson's Disease Poster presentation at the Red Mile: Orientation for Integrated Biomedical Sciences Program Department of Anatomy & Neurobiology, Lexington, KY August, 2006


Theresa Currier Thomas, BS; Matt Joyce, Ph.D.; David K. Grandy, Ph.D.; Greg A. Gerhardt, Ph.D.; Paul E. A. Glaser, M.D., Ph.D. Dopamine and Glutamate Interactions in Dopamine D4 Receptor Knockout Mice. American Academy of Child and Adolescent Psychiatry, San Diego, October

Summary

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