Recent Senior Honors Thesis Projects in Neuroscience

Ryan Adams, ’13, Determination of Catecholamine Content Changes in Mouse Brain Following Chronic Ketogenic Diet

Joshua Altschuler, ’13, The Effects of a 3:1 Ketogenic Diet on the BTBR Mouse Model of Autism

Ela Cross, ’13, Reconstruction Of Musical Stimuli From Brain Activation Patterns In FMRI

Jackie Gottshall, ’13, Regionally Distinct Cell Cycling Behavior Underlies Foliation Patterning Of The Mouse Cerebellum: Insight From The Engrailed Mutant

Alexandra Nicaise, ’13, The Investigation Of Glial-Deprived Factors Affecting Neuroblastoma Cell Death

Renuka Shukla, ’13, The Effect of Stimulant Medication On EEG Recordings Of College Students With ADHD

Marta Zamroziewicz, ’13, Effects Of Drinking Patterns On Prospective Memory Performance In College Students

Jared Zimmerman, ’13, Comparison Of FMRI Resting-State Data Of American And Chinese Adolescents

Elsie Arce, ’12, Musical Activity of the Brain: The Differentiation of Normal and ADHD Brains Through Sound

Brian Castelluccio, ’12, A Connectivity Model of Neural and Genetic Correlates of Impulsivity

Jessica Cote, ’12, The Effects of the Ketogenic Diet and Adenosine on Autistic Behaviors in Mice

Kelsey Flynn, ’12, Semantic Satiation in Bilinguals

Navneet Kaur, ’12, Behavior and Electrophysiological Correlates of Prospective Memory (PM) in Healthy Individuals and People with Traumatic Brain Injury (TBI)

John McInnis, ’12, The Cell Signaling Response to ER Stress in Oligodendrocytes

Ginger Mills, ’12, Development of Prospective Memory in Children

Eniana Agolli, ’11, Predictors of Cognitive Rehabilitation Success on a Simultaneous Multiple Attention Task in People With Schizophrenia
Max Alderman, ’11, The Impact of the Age at Surgery and Type of Surgical Intervention on Long-Term Neuropsychological Outcomes in Sagittal Craniosynostosis

Brianna Dix, ’11, Cocaine Withdrawal-Induced Astrocyte Activation: Role of the Corticotropin-Releasing Factor 1 Receptor

Kristina Foster, ’11, Altered Default Mode Network Connectivity is Correlated with Impulsivity and Binge Drinking in College Students

Hannah Korsmeyer, ’11, Emergent Behavioral Rhythms in Two Settings at Trinity College

Lara Novak, ’11, Brain and Alcohol Research in College Students: Collegiate Academic Performance in Relation to Alcohol Consumption and Cognitive Ability

Nicholas Stewart, ’11, The Effect of Increased Ascorbic Acid on Acetylcholinesterase Enzyme Activity in Vitro and in The Pond Snail Helisoma Trivolvis

Tracey Suter, ’11, Pain Reduction Via the Ketogenic Diet: Involvement of Adenosine A1 Receptors

Julia Svedova, ’11, Effects of The Ketogenic Diet on Behavior and Symptoms of Autism: Human and Rodent Studies

Amelia Wattenberger, ’11, Ontogeny of Gender Specific Neuronal Number in the Cerebral and Buccal Ganglia of the Chinese Mud Snail, Cipangopaludina Chinensis

Nicole Albino, ‘10, Measured Outcomes of Neurosurgeries During the Iraq War

Ritika Chandra, ‘10, Neural Network Abnormalities in AD/HD: A Study Using Dynamic Causal Modeling

Shana Conroy, ‘10, Differences in Incidence and Severity of Cerebral Vasospasm Following Microsurgical Clipping and Endovascular Coiling Of Ruptured Intracranial Aneurysms

Damien DeCuir, ‘10, Effects of Binge Drinking Patterns on Cognitive Functions in College Students

Stephen English, ‘10, Exercising Caution in an Era of Optimism: Addressing the Future Role of Stimulant Drugs in Our Society

Lea Jancic ‘10, Antiplatelet Effect of Toradol and Overall Coagulation Function in Pediatric Post-Operative Neurosurgery Patients as Assessed by Thromobelastography

V. Brooke Powell, ‘10, Imaging and Prospective Memory: An Analysis of Current Methods
Jacqueline N. Parrotta, ‘10, Successful Encephalo-Duro-Arterio-Synangiosis (EDAS) for Atherosclerotic Cerebrovascular Occlusive Disease Suggests an Alternative to Direct Bypass Techniques

Tiffany Ruiz, ‘10, Effects of the Ketogenic Diet on Behavior and Physiology of R6/2 Huntington’s Disease Transgenic Mice

Deniz Vatansever, ‘10, Endoscopic Third Ventriculostomy in Combination with Choroid Plexus Cauterization: An Outcome Analysis