Summer Research Opportunities with FSU College of Medicine Faculty

The research opportunities below were submitted by CoM faculty members for dissemination to students interested in applying for the 2018 CoM Summer Research Fellowship. A brief description is included, and additional information about these opportunities can be found on the Medical Student Research website.

If you are interested in working with these or any CoM faculty members to apply for the Summer Research Fellowship, you are encouraged to begin reaching out to them. Contact information is included below.

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**Research Opportunity: Developmental Basis of Neuropsychiatric Disorders**

Dr. Stanwood’s research examines how signaling of specific neurotransmitter receptors during sensitive periods of development alter the formation and subsequent function of brain circuits involved in neurological and mental health disorders. Current projects focus on dopamine D1 and D2 receptors within interneurons of the prefrontal cortex and glucagon-like peptide-1 receptors within projection neurons of the lateral septum. Experiments involve behavior and cognitive assays in laboratory mice, following by cellular, neuroanatomical and molecular analyses of adaptations and maladaptations following receptor loss.

*Contact:* Gregg Stanwood, PhD  
*Associate Professor, Biomedical Sciences*  
*Florida State University College of Medicine*  
*Email:* gregg.stanwood@med.fsu.edu  
*Phone:* 850-644-2271

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**Research Opportunity: Toxic Stress and Adverse Childhood Experiences**

The FSU Center for Child Stress and Health at the Immokalee Health Education Site has opportunities for medical students to participate in applied clinical research that addresses Toxic Stress and Adverse Childhood Experiences (ACEs). Toxic stress is defined as strong, frequent and/or prolonged adversity without adequate adult support. This includes several different types of ACEs, such as physical or emotional abuse, neglect, or exposure to violence or economic hardship. Research projects can address a variety of related topics, such as the implementation of screening methods for toxic stress and identifying biomarkers that can be used to measure toxic stress in children.

*Note:* Student housing is available at the Immokalee Health Education Site.

*Faculty:* Elena Reyes, PhD & Javier Rosado, PhD

*Contact:* Javier Rosado, PhD  
*Clinical Associate Professor & Director of Clinical Training*  
*Florida State University College of Medicine, Immokalee Health Education Site*  
*Email:* javier.rosado@med.fsu.edu  
*Phone:* 239-658-3056