

The Interaction Between Acute Stress and the COMT Gene on Cognitive Functioning

Sarah Lyle



Cognitive functioning can be influenced by many different factors. This study will attempt to explain one gene/environment interaction that can influence cognitive performance. The COMT gene interacts with stress in complex ways that the current available literature does explain. I have proposed that specific polymorphisms of the COMT gene [homogeneous val allele carriers (GG), homogeneous met allele carriers (AA), and heterogeneous val/met allele carriers (AG)] can influence cognitive performance differentially depending on the addition of stress.

Advisor: Dr. Jaime Tartar

Committee: Dr. Jonathan Banks & Dr. James Munoz

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