

Governor's Council for Medical Research and Treatment of Autism

2007 Basic Science and Clinical Research Proposals

The Basic Science and Clinical Research program is designed to sponsor research into the cause, diagnosis, early detection, prevention, control and treatment of autism. This grant program supports research in a variety of fields, including (but not restricted to), genetics, neurobiology, epidemiology, neuroimaging, psychopharmacology, immunology, environmental health, infectious diseases, gastroenterology, and endocrinology. The 11 basic science and clinical research grant projects that were funded by the Council in January 2007 are:



Principal Investigator	Title	Institution	Type of Study	Funding Level
1) Emmanuel DiCicco-Bloom	Functional Characterization of the Autism-Associated Gene, <i>Engrailed-2</i>	RWMS/Neuroscience and Cell Biology	Basic Science	\$214,244
2) Michael Lewis	Brain Maturation and Self Representation in Young Children with Autism Spectrum Disorder	RWJMS/Institute for Child Development	Clinical	\$295,821
3) John Pintar	Opioid System Contributions to Autism Linked Behavior	RWJMS/Neuroscience	Basic science	\$299,930
4) Gleb Shumyatsky	Amygdala-Enriched Genes may be Involved in Gating Behaviors that are Critical for Survival	Rutgers/Genetics	Basic Science	\$300,000
5) T. Peter Stein	Oxidative Stress and Brain Metabolism in Autism	UMDNJ-SOM/Surgery	Basic science	\$299,478
6) Pauline Thomas	Understanding the scope of autism in New Jersey Characteristic of children diagnosed with autism Spectrum disorder by the age 8 years, NJ	NJMS/Obgyn	Epidemiology	\$202,014
7) George Wagner	Protection again early toxicant exposure in a mouse model of autism	Rutgers/Psychology	Basic Science	\$224,324

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8) Daniel Wartenberg	An Exploratory Epidemiologic Study of Autism in New Jersey and Some Possible Environmental Risk Factors	UMDNJ/EOHSI	Epidemiology	\$299,982
9) Walter Zahorodny	New Jersey Autism Study: Population-Based Surveillance of Autism Spectrum Disorder in New Jersey	NJMS/Pediatrics	Epidemiology	\$300,000
10) Walter Zahorodny	Young Adults with Autism: A Pilot Epidemiologic Investigation	NJMS/Pediatrics	Epidemiology	\$203,628
11) Steven S. Zalcman	Treatments for the prevention of autistic-like Behavior in offspring of mothers infected With influenza virus during pregnancy: An animal model	NJMS/Psychiatry	Basic Science/ Translational	\$299,765