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TSA 2010-2011 Grantees

Erika F. Augustine, M.D., Heather R. Adams, Ph.D. & Jacob M. Adams, M.D., MPH, \$75,000, University of Rochester School of Medicine, Rochester, NY. Pilot Study: Proportion of Hispanic and non-Hispanic Black Children with Tics.

Kelly Anne Barnes, Ph.D. & Bradley L. Schlaggar, M.D., Ph.D., \$40,000, Washington University School of Medicine, St. Louis, MO. Cortico-striatal Functional Connectivity in Children and Adolescents with Tourette Syndrome: A Resting-state Functional Connectivity MRI Study (Fellowship).

Marco Bortolato, M.D., Ph.D. & Paola Devoto Ph.D., \$72,990, University of Cagliari, Monserrato, Italy. Therapeutic Action of 5-alpha-Reductase Inhibitors in Tourette Syndrome (2nd Year).

Silvia A. Bunge, Ph.D., Adam Aron, Ph.D., Blythe Corbett, Ph.D. & Elysa Marco, Ph.D., \$75,000, University of California, Berkeley, CA. Neural Mechanisms of Cognitive Control and Reward-based Learning in Unmedicated Children with Tourette Syndrome.

Nanette Mol Debes, M.D., Ph.D., Liselotte Skov, M.D., D. Med. Sci. & Kerstin Plessen, M.D., Ph.D., \$73,000, Glostrup University Hospital, Glostrup, Denmark. Disentangling Neuroanatomic Changes Over Time by a 5-Year Follow-up Neuroimaging Study of a Large Clinical Cohort of Children and Young Adults with TS.

Deanna Jacquelyn Greene, M.A., Ph.D., Kevin Black, M.D. & Bradley Schlaggar, M.D., Ph.D., \$40,000, Washington University School of Medicine, St. Louis, MO. Pathophysiological Markers in the "Pre-Tourette" Population (Fellowship).

Aryn H. Gittis, Ph.D. & Anatol C. Kreitzer, Ph.D., \$29,326, University of California, San Francisco, CA. Feedforward Inhibitory Regulation of Basal Ganglia Output and its Relation to Circuit Dysfunction in Tourette Syndrome (Fellowship).

Benjamin Yost Hayden, Ph.D. & Michael L. Platt, Ph.D., \$40,000, Duke University School of Medicine, Durham, NC. Neural Mechanisms of Self-Control (Fellowship).

Daniel Kent Leventhal, M.D., Ph.D. & Joshua Berke, Ph.D., \$40,000, University of Michigan School of Medicine, Ann Arbor, MI. In Vivo Striatal Fast Spiking Interneuron Suppression Using Optogenetic Techniques (Fellowship).

Chiang-shan Ray Li, M.D., Ph.D., James Leckman, M.D. & Yu-Shin Ding, Ph.D., \$75,000, Yale University School of Medicine, New Haven, CT. Imaging cognitive motor control in Tourette Syndrome (2nd Year).

Gholson J. Lyon, M.D., Ph.D. & Hilary Coon, Ph.D., \$73,818, University of Utah, Salt Lake City, UT. Genotype and Phenotype Analysis in Large Extended Pedigrees with Tourette's Syndrome and/or Tics.

Rachel Marsh, Ph.D. & Bradley S. Peterson M.D., \$75,000, New York State Psychiatric Institute, Columbia University School of Medicine, New York, NY. A Virtual Reality-based fMRI Study of Learning Systems in Children with TS.

Masaaki Ogawa, M.D., Ph.D. & Ed Boyden, Ph.D., \$40,000, Massachusetts Institute of Technology, Cambridge, MA. Role of the Orbito Frontal Cortex and Midbrain Dopamine Neurons in Associative Learning from Reward Prediction Errors (Fellowship).

John C. Rothwell, Ph.D., Diane Ruge, D. Med. & Eileen Joyce, M.D., \$74,959, Institute of Neurology, University College, London, England. Plasticity and Motor Cortical Excitability in Tourette's Syndrome: Response to Therapy and Natural History.

Guy A. Rouleau, M.D., Ph.D., \$75,000, University of Montreal, Montreal, Canada. Whole Exome Resequencing in Familial Tourette Syndrome.

Jeremiah M. Scharf, M.D., Ph.D., Yoav Ben-Shlomo, M.D., M.Sc. & Carol Mathews, M.D., \$39,683, Massachusetts General Hospital, Harvard Medical School, Boston, MA. Evaluation of Prenatal and Perinatal Risk Factors for Tourette Syndrome and Chronic Tic Disorders in a Large, Prospective, Population-based Cohort (2nd year).

Kerstin Schwabe, Ph.D., Joachim K. Krauss, Ph.D. & Mesbah Alam, Ph.D., \$60,000, Hannover Medical School, Hannover, Germany. Effect of Deep Brain Stimulation in Rats Selectively Bred for Deficient Prepulse Inhibition, An Endophenotype for Tourette's Syndrome.

Catherine Woodstock Striley, Ph.D., MSW, MPE & Kevin J. Black, M.D., \$73,100, Washington University School of Medicine, St. Louis, MO. Uncovering Disparities in TS Prevalence and Identification Between Caucasians and African Americans.

Steve Wei Wu, M.D. & Donald L. Gilbert, M.D., \$74,837, Cincinnati Children's Hospital Medical Center, Cincinnati, OH. Neuroplasticity in Tourette Syndrome.

Scott A. Wylie, Ph.D., Wery van den Wildenberg, Ph.D., Daniel Claassen, M.D. & George Wooten, M.D., \$52,985, University of Virginia Medical Center, Charlottesville, VA. Deficits and Temporal Dynamics of Inhibitory Control over Voluntary and Involuntary Actions in Tourette Syndrome.

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