

CURRICULUM VITAE

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Date and Place of Birth: December 3, 1947 - Albuquerque, New Mexico

Education:

B.A., 1969	The College of Wooster Wooster, Ohio 44691
M.D., 1973	University of New Mexico School of Medicine Albuquerque, New Mexico 87106
Ph.D., 2014	University of São Paulo São Paulo, Brazil

Career:

1973-1974	Straight Medical Intern, USPHS Marine Hospital San Francisco, California 94118
1974-1976	Clinical Associate, Section on Psychogenetics Adult Psychiatry Branch National Institute of Mental Health Bethesda, Maryland 20014
1976-1979	Postdoctoral Fellow, Department of Psychiatry Yale University School of Medicine New Haven, Connecticut 06520

Career (continued):

- 1978-1979 Chief Resident, Clinical Research Unit
Research Facilities
Connecticut Mental Health Center
Department of Psychiatry
Yale University School of Medicine
New Haven, Connecticut 06520
- 1979-1994 Clinical Associate
Western New England Institute for Psychoanalysis
New Haven, Connecticut 06511
- 1979-1980 Postdoctoral Fellow in Child Psychiatry
Child Study Center
Yale University School of Medicine
New Haven, Connecticut 06520
- 1980-1983 Assistant Professor of Psychiatry and Pediatrics
Child Study Center
Yale University School of Medicine
New Haven, Connecticut 06520
- 1981- Attending Physician
Yale New Haven Hospital
New Haven, CT 06520
- 1981- 2005 Associate Program Director
Children's Clinical Research Center
Yale University School of Medicine
New Haven, Connecticut 06520
- 1983-1987 Associate Professor of Psychiatry and Pediatrics
Child Study Center
Yale University School of Medicine
New Haven, Connecticut 06520
- 1983-2010 Director of Research
Child Study Center
Yale University School of Medicine
New Haven, Connecticut 06520
- 1985-2015 Program Director
NIMH-Merck Postdoctoral Research Training Program
Child Study Center
Yale University School of Medicine
New Haven, Connecticut 06520

Career (continued):

- 1987-1990 Neison Harris Associate Professor of Child

Psychiatry and Pediatrics (without term)
 Child Study Center
 Yale University School of Medicine
 New Haven, CT 06520

1987-1988 Sabbatical leave - molecular genetics and developmental neurobiology
 Department of Biology
 Yale University
 New Haven, CT 06520

1990- Neison Harris Professor of Child Psychiatry, Psychology & Pediatrics
 Child Study Center
 Yale University School of Medicine
 New Haven, CT 06520-7900

1997 Sabbatical leave - evolutionary biology
 The Neurosciences Institute
 San Diego, CA 92121

1998 Visiting Fellow
 Wolfson College
 Cambridge CB2 2AH
 United Kingdom

1998 Sabbatical Leave - molecular ethology
 Sub-Department of Animal Behavior
 University of Cambridge
 Madingley CB3 8AA
 United Kingdom

2011-2012 Sabbatical Leave –
 Institute of Psychiatry University of Sao Paulo, Brazil
 Sub-Department of Animal Behavior
 University of Cambridge, Cambridge, United Kingdom
 University of Southern Denmark, Odense, Denmark

Professional Honors and Recognition:

Phi Beta Kappa, The College of Wooster: 1969
 USPHS-AAMC Fellowship, RAMBAM Hospital, Haifa, Israel, University of New Mexico: 1972
 Alpha Omega Alpha, University of New Mexico: 1973
 Seymour L. Lustman Research Award, Department of Psychiatry, Yale University: 1978 & 1979
 Sigma Xi, Yale Chapter: 1980
 William T. Grant Foundation, Research Scholar: 1980-1983

Professional Honors and Recognition, continued:

H.P. Laughlin Fellowship, American College of Psychiatrists: 1981
 Merck Faculty Scholar, John Merck Fund: 1982-1991
Journal of the American Academy of Child and Adolescent Psychiatry, Editorial Board: 1982-1988

Scientific Program Committee, American Academy of Child Psychiatry: 1983-1987

Journal of the American Academy of Child and Adolescent Psychiatry, Guest Co-editor, Special Section on ***Tourette's*** Syndrome, 1984

Psychopathology and Clinical Biology Initial Research Review Committee (Study Section), NIMH: 1985-1990

Milton M. & Harriet H. Parker Lectureship in Psychiatry and Human Genetics, Ohio State University: 1985

American College of Neuropsychopharmacology, elected to membership: 1985

Consultant, U.S. Army in Europe, Heidelberg: 1986

Development and Psychopathology, Editorial Board: 1988-1994

American Psychiatric Association, elected to Fellowship: 1988

American Academy of Child Adolescent Psychiatry, elected to Fellowship: 1988

Chairman, Steering Committee, NIMH sponsored Study of Research on Child and Adolescent Mental Disorders, Institute of Medicine: 1988-1989

Scientific Advisory Board, Sophia Foundation for Medical Research, Rotterdam: 1989-1994, 2003

Consultant, National Advisory Mental Health Council: 1989-1990

Journal of the American Academy of Child and Adolescent Psychiatry, Guest Editor, Special Section on Genetics, 1990

Journal of Child and Adolescent Psychopharmacology, Editorial Board: 1990-present

Scientific Advisory Board, Tourette Syndrome Association: 1991- 1995

President, Connecticut Council of Child and Adolescent Psychiatrists: 1991-1993

American College of Psychiatrists, elected to membership: 1991-2000

American College of Neuropsychopharmacology: elected to Fellowship: 1991; Co-Chair of the Constitution and Rules Committee, 1998

Chairperson, Child Psychopathology and Treatment Initial Research Review Committee (study section), NIMH: 1992-1995

Acta Paedopsychiatrica, Editorial Board: 1992-1998

Roerig Visiting Professor, University of Illinois at Chicago, 1992

National Alliance for Research on Schizophrenia and Affective Disorders, Established Investigator Award: 1993

Visiting Professor, University of Pittsburgh, Western Psychiatric Institute and Clinics: 1993

Invited Plenary Speaker, Annual Meeting of the Society for Biological Psychiatry: 1993

Anxiety, Editorial Board: 1993-1997

Plenary Speaker, 13th International Congress, International Association of Child and Adolescent Psychiatry and Allied Professions, July 1994

Invited to prepare a "Report Card on NIMH's National Plan for Research on Child and Adolescent Mental Disorders" by the American Academy of Child and Adolescent Psychiatrist. This report was published in the ***Archives of General Psychiatry*** September 1995 and endorsed by 25 national organizations including the Society for Neuroscience, the Academy of Pediatrics, the National Alliance for Research on Schizophrenia and Depression, and the National Alliance for the Mentally Ill.

Journal of Child Psychology and Psychiatry and Allied Disciplines, Corresponding Editor (North America): 1995-2001

Professional Honors and Recognition (continued):

Neuropsychopharmacology, Editorial Board: 1995-1998

Blanche E. Ittleson Award for Research in Child Psychiatry, American Psychiatric Association: 1995

Leroy Hoeck Award Lecture, Children's National Medical Center: May 1996

Search Committee, Editor of ***Biological Psychiatry***: 1996-1997

Best Doctors in America, 1996

Depression and Anxiety, Editorial Board, 1997-2012

CNS Spectrums, Board of Advisors, 1997-2002

Reviewer, National Obsessive Compulsive Foundation, 1997-

Keynote address, Simpósio Internacional: Transtorno Obsessivo-Compulsivo e Suas Fronteiras, Sao Paulo, Brazil, August 1997

Journal of the American Academy of Child and Adolescent Psychiatry, Deputy Editor: 1998-2007

Biological Psychiatry, Editorial Board: 1998-2001

Keynote address, Tourette Syndrome Association, biennial National meeting, Alexandria, VA, October 1998

Invited Research Update Review with Linda Mayes, *Journal of the American Academy of Child and Adolescent Psychiatry*: Understanding developmental psychopathology: How useful are evolutionary perspectives? 1998; 37:1011-1021.

Revista Brasileira de Psiquiatria, Editorial Board, 1999-present

Scientific Advisory Board, NIMH, Treatment of Adolescent Depression Study: 1999-present

Invited editorial, *American Journal of Psychiatry*: “Incremental Progress in Developmental Psychopathology: Simply complex” – October 1999

Committee on Psychiatric Diagnosis and Assessment, DSM-IV Text Revision, American Psychiatric Association, 1999-present

Member, Scientific Advisory Panel, American Psychiatric Institute for Research and Education, 1999

Chair, Constitution Committee, American College of Neuropsychopharmacology, 1999-2000

Pfizer Visiting Professor, Wayne State University, Detroit, January 2000

Member, National Mental Health Advisory Council Workgroup on Child Intervention Research, charged with the development of a New National Plan of Research on Child and Adolescent Mental Health, 2000-2001

The 20th Annual Daniel Prager Lectureship in Psychoanalytic Psychiatry, The George Washington University, May 2000

Ad Hoc reviewer for the Board of Scientific Councilors, National Institute of Mental Health Intramural Research Program, June 2000

Invited Research Update Review with Matthew State, Paul Lombroso, and David Pauls, *Journal of the American Academy of Child and Adolescent Psychiatry*: The genetics of childhood psychiatric disorders: A decade of progress, 2000, published in September 2000.

Invited Minireview, *Neuron* “Tourette’s syndrome: When habit-forming units form habits of their own” published in November 2000

Chairperson, Committee of Development and Natural History, Strategic National Plan for Mood Disorders Research, National Institute of Mental Health, 2000-2001

Founder, Donald Cohen Medical Student Fellowship Program, Yale University School of Medicine, 2001

Invited Special Plenary Lecturer, Chinese Medical Association Annual Meeting, Tapei, Taiwan, Republic of China, June 2001

Distinguished Alumni Award, The College of Wooster, Wooster, OH, June 2001

Invited Special Plenary Lecturer, National Congress of the South African Association of Child and Adolescent Psychiatry, Johannesburg, South Africa, September 2001

Professional Honors and Recognition (continued):

Invited Organizer and Lecturer, Annual Meeting of the American Academy of Child and Adolescent Psychiatrists, Honolulu, Hawaii, 2001

Scientific Committee, Fondazione per lo Studio e la Ricerca sull'Infanzia e l'Adolescenza, Modena, Italy, 2001-

Highly Cited Researchers, identified as being one of the world's most cited authors in Psychology/Psychiatry – in the top half of the top one percent of all publishing researchers, American Society for Information, Science & Technology, 2002

Journal of Child Psychology and Psychiatry and Allied Disciplines, Editorial Board, 2002-

Visiting Professor, University of Sao Paulo Medical School, Sao Paulo, Brazil, 2002-

Chair, Council Task force on Curricular Reform for the American Academy of Child and Adolescent Psychiatry, 2002-

Invited Seminar, ***The Lancet*** “Gilles de la Tourette’s syndrome,” 2002.

Member, Program Committee, American College of Neuropsychopharmacology, 2002-2004

Scientific Council, National Alliance for Research on Schizophrenia and Affective Disorders (NARSAD), 2002-

Visiting Professor, Mood & Anxiety Disorders Program, Intramural Program NIMH, Bethesda, MD, 2003.

Keynote Address, NIMH Workshop on Enhancing Research Efforts in Child Mental Health, Bethesda, MD, 2003.

Warren Wright Guest Speaker, Northwestern Memorial Hospital, Chicago, May 2003.

Rapporteur, Dahlem Workshop on Attachment and Bonding: A New Synthesis. Berlin, 2003.

Co-Chair, National Psychiatry Training Council established by NIMH to implement the Institute of Medicine report, "Research Training in Psychiatry Training: Strategies for Reform," released in October 2004-5.

Founder, ERICE (*Empowerment & Resilience in Children Everywhere*) an initiative to promote mental health among Palestinian and Israeli children, the victims of a violent conflict, 2004.

Scientific Council, National Organization for Rare Diseases (NORD), 2004-

Founder Albert J. Solnit Integrated Residency Program, Yale University School of Medicine, 2004

Plenary Speaker, International Congress, International Association of Child and Adolescent Psychiatry and Allied Professions, Berlin, August 2004

Journal of Neural Transmission, Editorial Board, 2005-2008

Child Psychiatry and Human Development, Editorial Board, 2005-

Advances in Cognitive Science, Editorial Board, 2005-

Journal of Child Psychology and Psychiatry and Allied Disciplines, Editor of Annual Review Issues, 2005-2013

Invited Lecturer, RIKEN Brain Science Institute Summer Program, 2005, Tokyo, Japan

National Alliance for Schizophrenia and Affective Disorders, Featured Researcher 2005

America’s Top Doctors: annually selected by his peers from 2003 to the present (2016).

Outstanding Mentor Award, American Academy of Child and Adolescent Psychiatry: 1990 (one trainee cited), 1992 (two trainees cited), 1995 (one trainee cited), 2001 (one trainee cited); 2005 (one trainee cited)

Plenary Speaker, International Congress, International Association of Child and Adolescent Psychiatry and Allied Professions, Melbourne, September 2006

Inaugural Lecturer, Program in Child and Adolescent Psychiatry, Visiting Professor, Federal University of Sao Paulo, Paulista Medical School, São Paulo, Brazil, 2007

Plenary Speaker, European Society for Child and Adolescent Psychiatry, Florence, August 2007

Professional Honors and Recognition (continued):

Raune Prize, for an outstanding scientist carrying out research on the causes, pathophysiology, treatment, or prevention of severe child psychiatric illness. National Alliance for Research on Schizophrenia and Affective Disorders (NARSAD), 2007

Child and Adolescent Workgroup, DSM-5, American Psychiatric Association, 2007-2013

Journal of the American Academy of Child and Adolescent Psychiatry, Editorial Board: 2008-present

National Institute of Mental Health Council Workgroup on Research Training, 2008

Plenary Speaker, British Neuropsychiatric Association, London, February 2009

Plenary Speaker, Congresso della Societa Italiana di Psicopatologia, February, 2009

American Psychiatric Association and the American Association of Chairs of Departments of Psychiatry, Research Mentorship Award, May 2009.

State-of-the-Art Lecturer, International Congress, International Association of Child and Adolescent Psychiatry and Allied Professions, Beijing, June 2010

John F. Kenward Memorial Lecturer, University of Chicago, November 2010

Visiting Professor, Universidade de São Paulo, São Paulo, Brazil, 2011-

Identified by BiomedExperts as the leading expert on Tourette's Syndrome for 2011- 2014
http://www.biomedexperts.com/Concept.bme/9230/Tourette_s_Syndrome

Lionel Hersov Visiting Lecturer in Glasgow, Scotland and Dublin, Ireland, Association of Child and Adolescent Mental Health, UK, 2012

Visiting Professor, University of Southern Denmark, Odense, Denmark, 2012-2016

State-of-the-Art Lecturer, International Congress, International Association of Child and Adolescent Psychiatry and Allied Professions, Paris, July 2012

Visiting Professor, University of Ulm, Ulm, Germany, 2012

Plenary Speaker, 20th Anniversary Symposium, German Tourette Syndrome Association, Ulm, Germany, October 2012

Plenary Speaker, 17th meeting of the Israel Society for Biological Psychiatry, Kibbutz HaGoshrim, March 2013

Plenary Speaker, 24th meeting of the American Neuropsychiatric Association, Boston, MA, April 2013

Plenary Speaker, 10th Annual Research Training Seminar – Fondazione Child, Bocca di Magra, Italy, June 2013

Plenary Speaker, Launch of the Early Childhoods Peace Consortium, United Nations, New York, NY September 2013

Co-chair of the 15th Ernst Strüngmann Forum, "*Pathways to Peace: The Transformative Power of Children and Families*," Frankfurt Institute for Advanced Studies, Frankfurt, Germany, October 2013

Keynote address, Brad Cohen Foundation Tourette Syndrome Conference, Atlanta, GA, February 2014

Keynote address, M8 Alliance World Health Summit Regional Meeting – Latin America, São Paulo, Brazil. Universidade de São Paulo, São Paulo, Brazil, April 2014

Organizer and speaker at the week-long Yale Global Health Leadership Institute, Forums for Change 2014, Brazil: Investing early in healthy children, New Haven, August 2014.

Featured speaker at Luncheon UN High-level Forum on The Culture of Peace, organized by Yale University, the Early Childhood Peace Consortium, and UNICEF, New York, NY, September, 2014

Keynote address, Simpósio Internacional de Desenvolvimento da Primeira Infancia, São Paulo, Brazil, November 2014

Plenary Speaker, Founding Forum of the Arab Network for Early Childhood, Amman, Jordan, December 2014

Speaker at the UN Committee on the Family, New York, NY, March 2015

Professional Honors and Recognition (continued):

Agnes Purcell McGavin Award for a Distinguished Career Achievement in Child and Adolescent

Psychiatry, American Psychiatric Association, Toronto, Canada, May 2015

Plenary Speaker, Global symposium – Growing up in Conflict: the impact of children’s mental health and psychosocial well –being, organized by UNICEF and the government of the Netherlands, The Hague, Netherlands, May 2015

Keynote address, Early Childhood Peace Consortium, organized by Mother and Child Education Foundation (AÇEV), Yale University and UNICEF Istanbul, Turkey, June 2015

Paulina F. Kernberg Memorial Lecture, Weill Cornell Medical Center, New York, November 2015

Invited Speaker by Executive Director of UNICEF to address the Country Representatives of Group of Friends at UNICEF Headquarters, New York, NY, April 2016

Brain and Behavior Research Foundation, Meet the Scientist Webinar Series, Primary Prevention in Child Psychiatry: The Transformative Power of Children and Families, May 2016
<https://bbrfoundation.org/meet-the-scientist-may-2016>

Distinguished Life Fellow, American Psychiatric Association, Atlanta, Georgia, May 2016

Lifetime Achievement Award, the European Society for the Study of Tourette Syndrome, 9th European Conference on Tourette Syndrome and Tic Disorders, Warsaw, Poland, June 2016

Tourettes Action Lifetime Achievement Award for Research and Contributions to Patient Groups, 9th European Conference on Tourette Syndrome and Tic Disorders, Warsaw, Poland, June 2016

Invited Panelist, High–Level Meeting Hosted by the Swedish and Italian Missions to the UN and The World Childhood Foundation USA on Solutions to Achieve the Sustainable Development Goals for Children, New York, NY, September 2016

Keynote address, Associação Brasileira de Psiquiatria (Brazilian Association of Psychiatry) annual meeting, São Paulo, Brazil, November 2016

Speaker at the International Peace Research Association. Freetown, Sierra Leone, December, 2016.

Grand rounds presentation on *Primary Prevention in Child Psychiatry: The Transformative Power of Children and Families* at Stanford University, March 2017.

Plenary speaker at the Global Reporting Institute on Early Childhood Experience and the Developing Brain, Columbia University School of Journalism, New York, NY, March 2016.

Host and speaker at the Yale UNICEF Conference on Refugee Children– organized by the Yale undergraduates who are members of the Yale UNICEF Club, New Haven, CT, April, 2017.

Plenary speaker at a symposium on Early Childhood Development Programmes for Peace Building in Conflict-Affected Countries and Region, Belfast Northern Ireland, UK, May 2016.

Keynote speaker, 5th Advanced training course for the Chinese Society of Child and Adolescent Psychiatry, Chengdu, China, June 2017

Grant Support

Ongoing

T32 MH018268-27 (Crowley, Michael)

07/01/1985 -06/30/2020

NIMH

Training Program in Childhood Neuropsychiatric Disorders

This is a multidisciplinary post-doctoral research-training program for child psychiatrists, child psychologists, and other postdoctoral scientists in related fields including epidemiology, genetics, developmental neurobiology, in vivo neuroimaging, and neuropsychopharmacology. The long-term objectives of this interdisciplinary institutional research-training program are to increase the number and quality of investigators entering the field of developmental neuropsychiatric disorders. Role: Former Director from 07/01/1985-06/30/2015

R25 MH 077823 (Martin, Andres)

08/02/2006 -03/31/2022

NIMH

Research Education for Future Physician-Scientists in Child Psychiatry

This application is aimed at preparing physicians for independent careers in the investigation and treatment of childhood psychiatric disorders. Role: Associate Program and former Director from 08/01/2006-06/30/2011

Research Support:

Recently completed Research Projects:

R01 HD070821-01 (Leckman, James)

09/26/2011 -

08/31/2016

NICHD, NIH Director's Office

Integrated Brain, Body and Social Intervention for ADHD

This project is a Transformative R01 funded by the NIH Director's Office. It is designed evaluate and refine an innovative multi-component, neuroscience based, non-pharmacologic intervention for Attention Deficit Hyperactivity Disorder (ADHD). The proposed treatment program is innovative in: use of a computer based "treatment delivery system" to apply new knowledge of neuroplasticity in clinical care; transformation of existing approaches to physical education based on cognitive neuroscience; and use of an evidence based intervention from social psychology to enhance delivery and effectiveness of neuroscience-based interventions. Role: PI

R01 MH095789-01A1 (Hampson, Michelle)

06/08/2012 - 05/31/2017

NIMH

Biofeedback of activity in the supplementary motor area for Tourette Syndrome

To determine whether biofeedback of activity from the supplementary motor area, based on real-time fMRI data, is an effective treatment for Tourette Syndrome (TS), and to use this intervention to probe the neurobiology underlying TS. Role: Investigator

K23 MH091240 Michael Bloch (PI)

08/01/2010 - 04/30/2015

NIH/NIMH: Longitudinal Structural MRI Study of Adult Outcome in Tourette Syndrome

The goals of this career development award are to (1) examine the association of childhood basal ganglia morphology and childhood cortical thickness measures and adulthood tic severity and (2) repeat structural neuroimaging scans on these subjects so that we can compare brain development between persistent TS cases, remitted TS cases and unaffected controls. Role: Mentor

Research Support:

Recently completed Research Projects (Continued):

Grifols, Inc. (Leckman, James, PI) 01/26/2011 - 01/25/2014
 Gamunex for the Treatment of PANDAS: A randomized placebo-controlled trial

There are two primary aims of this trial; 1) To evaluate whether Gamunex is superior to placebo in a randomized trial for reducing obsessive-compulsive (OC) symptoms in children with pediatric neuropsychiatric disorders associated with streptococcal infections (PANDAS); 2) To evaluate the long term stability of short-term gain in children showing a positive response to Gamunex after treatment.
 Role: PI

R03 MH094583-01A1 (Sukhodolsky, Denis) 03/15/2012 - 02/28/2014
 NIMH

EEG coherence in children with TS: Association with ADHD and tic severity
 This is a proposal to investigate mesial-frontal EEG coherence during performance of a Go/No-Go task of motor response inhibition as a biomarker of tic severity and tic suppression in children with Tourette Syndrome (TS). Role: Investigator

“Neurobiological, Behavioral, and cognitive Aspects of Human Attachment.”

Principal Investigator: Ruth Feldman, Ph.D.

Agency: United States-Israel Binational Science Foundation (#2005273)

Period: July 2006-June 2014

This project is expected to (a) provide the first panoramic view on social affiliation in humans (b) evaluate similarities and differences in the neurobiology of parental and romantic attachment, (c) track the emergence of enduring bonds from their initial formative stage, and (d) inform theoretical perspectives of diverse fields on attachment processes in humans. Role: Co-PI

Past Research Support:

K01 MH079317 Young-Shin Kim (PI) 08/15/2007 - 07/31/2012
 NIH/NIMH

Genetic Epidemiology of Autism Spectrum Disorders

The overall goal of this proposal is to develop expertise in genetic epidemiology; an integrated, interdisciplinary translational science that combines epidemiology, functional genomics, molecular genetics, high-throughput genotyping, bioinformatics and specialized computational methods. Role: Primary mentor

T32 MH018268-26S1 (Leckman, James) 07/01/2010-10/30/2013
 NIMH

Training Program in Childhood Neuropsychiatric Disorders

Supplement - The goal of this supplement is to aid Dr. Paul El-Fishawy's transition to being an independent investigator in the field of neurodevelopmental genetics. Role: PI

K01 MH079130 Denis Sukholdolsky (PI) 09/11/2008 - 06/30/2013
 NIH/NIMH: Neurobiology of Behavior Therapy for Children with Tourette Syndrome

This career development award spans the fields of behavioral therapy and developmental neurophysiology, with a specific focus on Tourette Syndrome. Role: Mentor

Research Support:

Past Research Support (continued):

“Pathogenesis & Treatment of Tourette's Syndrome & Obsessive-Compulsive Disorder”

Principal Investigator: James F. Leckman, M.D.

Agency: National Institute of Mental Health

Type: K05; Period: July 2005-December 2010

This Senior Scientist Award was funded in order that I could continue to explore the utility of prospective longitudinal studies to add to our knowledge about the determinants of course and outcome of TS and early-onset OCD using state-of-the-art methods for clinical assessment (symptom severity, level of psychosocial stress), genomics, immunobiology, neuroendocrinology of stress response, in vivo neuroimaging and electrophysiology. This project involved investigators and trainees across a range of disciplines, completing funded grants, analyzing existing data sets and preparing new grant applications as well as competitive renewals.

“Transcranial magnetic stimulation for adults with severe Tourette syndrome”

Principal Investigator: James F. Leckman, M.D.

Agency: Tourette Syndrome Association; Period: July 2007-June 2011

The long-term objective of this clinical trial is to establish the safety and efficacy of rTMS in patients with severe Tourette syndrome

“Repetitive Transcranial Magnetic Stimulation for Adults with Severe Tourette Syndrome”

Principal Investigator: James F. Leckman, M.D.

Agency: National Institute of Mental Health

Type: R21MH082323; Period: December 2007 – November 2010

Repetitive transcranial magnetic stimulation (rTMS) has been used as an investigational intervention for severe TS for at least the last five years. Recent data indicates that the supplementary motor area (SMA) may be an excellent target for 1 Hz rTMS. Two universities will administer rTMS, Yale and Columbia. This pilot/feasibility study will allow us to make accurate power estimates for a subsequent R01 to test the efficacy and side effects of rTMS to the SMA in a larger sample, and to examine side effects, secondary electrophysiological outcomes, secondary clinical outcomes (obsessive-compulsive symptoms, depressive symptoms, and attention deficit hyperactivity disorder symptoms), and the relative impact of concurrently administered medications.

3 R25 MH077823-05S1 (Leckman, James)

08/01/2010 - 07/31/2012

NIMH

Antibody Identification and IVIG Treatment of PANDAS

Research Education for Future Physician-Scientists in Child Psychiatry. Bench to Bedside Supplement

“A genetic linkage study of GTS”

Principal Investigator: David L. Pauls, Ph.D.

Agency: National Institute of Neurological Disease and Stroke

Type: R01NS040024; Period: September 2007-August 2012

The long-term objective of this project is the localization and characterization of genes important for TS and related conditions. Dr. Leckman was a co-investigator

Research Support:**Past Research Support: (continued)**

“Inhibitory Interneurons in Tourette Syndrome”

Principal Investigator: Flora Vaccarino, M.D.

R01 NS054994; Period: July 2007-June 2011

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This grant uses postmortem human tissue to investigate the number and distribution of inhibitory interneurons in regions of the basal ganglia and cerebral cortex of Tourette's syndrome patients compared to controls. Role: Investigator

“Behavior Therapy for Adults with TS”

Principal Investigator: Lawrence Scahill, MSN, PhD

Agency: National Institute of Mental Health

Type: R01MH0698; Period: July 2005-June 2011

This grant supports a multisite investigation to evaluate the efficacy of a structured Habit Reversal Training program for tic reduction in adults with TS. To conduct this study, the Tourette Syndrome Association assembled the Behavioral Sciences Consortium (BSC). The BSC is a multidisciplinary group of investigators representing some of the leading TS research programs in the country including Yale, Harvard, UCLA, and Johns Hopkins. Dr. Leckman is a consultant for this R01.

“Molecular Cytogenetics of TS”

Principal Investigator: Matthew State, M.D., Ph.D.

Agency: National Institute of Neurological Disease and Stroke

Type: R01NS043520; Period: September 2002-August 2007

The goal of this proposal is to use molecular cytogenetic and molecular genetic tools to identify genes involved in Tourette syndrome (TS) and related phenotypes. Dr. Leckman is a co-investigator

“Molecular Approaches to Childhood Psychiatric Disorders”

Principal Investigator: Matthew State, M.D., Ph.D.

Agency: National Center for Research Resources

Type: K23 RR016118; Period: September 2002-August 2007

This project spans the fields of child psychiatry, molecular cytogenetics and molecular genetics. The near-term objective of this project is to develop an independent program in patient-oriented research that focuses on identifying vulnerability genes underlying childhood-onset developmental and neuropsychiatric illnesses. Dr. Leckman serves as a Primary Mentor for this K23.

“A Prospective Longitudinal Study of PANDAS”

Principal Investigator: James F. Leckman, M.D.

Type: R01 MH61940; Period: September 2001- August 2008

The aim of this study is to validate the diagnostic concept of PANDAS (Pediatric Autoimmune Neurobiological Disorders Associated with Streptococcal Infections) by performing a prospective longitudinal study. The use of a prospective longitudinal design should permit a close examination of the timing of symptom relapses relative to GABHS exposure. Other specific aims focus on longitudinal fluctuations of psychosocial stress, and anti-neuronal antibody levels. Sites: Yale, Hopkins, NYU, Rochester, Alabama, Cincinnati

Research Support:

Past Research Support: (continued)

"General Clinical Research Center"

Principal Investigator: Robert Alpern, M.D.

Type: M01RR00125; Period: December 1978-November 2010

This General Clinical Research Center will provide core support for research at the Child Study Center. This support includes the availability of research beds, trained research nurses, dieticians, biostatistics and data management support as well as a mock MRI facility to prepare children for participation in MRI studies. Dr. Leckman has been the Associate Program Director of this GCRC since 1982.

"A genetic linkage study of GTS"

Principal Investigator: David L. Pauls, Ph.D.

Type: R01NS040024; Period: September 2000-August 2006

The long-term objective of this project is the localization and characterization of genes important for TS and related conditions. Dr. Leckman is a co-investigator

"PANDAS and Strep Infection: Are they Linked?"

Principal Investigator: Roger Kurlan, M.D.

Agency: National Institute of Neurological Disease and Stroke

Type: R01 R01NS042240; Period: September 2001- August 2006

This is a prospective case control cohort study involving 40 cases of PANDAS and 40 matched controls with TS and/or OCD but without evidence of PANDAS to determine whether antecedent GABHS infection is: 1) temporally associated with exacerbations of PANDAS, 2) specifically associated with exacerbations of tics and OCD, and 3) a specific trigger for exacerbations of PANDAS. Sites: Rochester, Yale, Hopkins, NYU, Alabama, Cincinnati, UCSF, MGH, Washington University, LIU North Shore. Dr. Leckman is a Co-investigator.

"Pathogenesis and treatment of Tourette's syndrome, obsessive compulsive disorder, and related conditions"

Principal Investigator: James F. Leckman, M.D.

Type: P01 MH49351-09; Period: September 1992- August 2006

Based on explicit models of pathogenesis for TS and OCD and building on prior work an array of clinical, neuropsychological, genetic, neuroimaging, epidemiological, neurobiological, and treatment studies are being conducted. Translational and integrative studies of perinatal and immunological risk factors are of particular significance.

"Are symptom exacerbations in Tourette syndrome and/or Obsessive-Compulsive Disorder due to autoimmune CNS inflammation?"

Principal Investigator: James F. Leckman, M.D.; Agency: Yale University School of Medicine

Type: Dean's Pilot Project in Translational & Interdisciplinary Research; Period: September 2004-August 2006

The aim of this pilot study is to explore the hypotheses that disturbance within T cell immunity is involved in symptom exacerbations in some TS/OCD patients. Co-investigators include: Ivana Kawikova, M.D., Ph.D.; Alfred L. Bothwell, Ph.D., Robert T. Schultz, Ph.D., Nancy H. Ruddle, Ph.D.

Research Support:**Past Research Support (continued):****"Towards an Understanding of the Neurobiology of Parental Love"**

Principal Investigator: James F. Leckman, M.D.

Agency: Institute for Research on Unlimited Love; Period: 12/01/2002-1/1/2006

This grant focuses on OCD-like early maternal and paternal preoccupations and behaviors that are associated with the birth of a baby, with an aim to better understand the neurobiological basis of parent-infant interactions and how we make room in our lives for new family members.

Bibliography:**Original Articles:**

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