

TSC ALERT

April 2008



FUNDING OPPORTUNITIES

FEDERAL FUNDING AGENCIES

Department of Defense

Department of Defense Tuberous Sclerosis Complex Research Program (TSCRCP)

The Fiscal Year 2008 (FY08) Defense Appropriations Act provides \$4 million to the Department of Defense TSCRCP to support the best medical research on TSC. The program is administered by the US Army Medical Research and Materiel Command through the Office of the Congressionally Directed Medical Research Programs (CDMRP). The specifics for the program grant mechanisms can be found at: <http://cdmrp.army.mil/funding/tscrp.htm>

Department of Defense Peer Reviewed Medical Research Program (PRMRP)

The Fiscal Year 2008 (FY08) Defense Appropriations Act provides \$50 million to the Department of Defense Peer Reviewed Medical Research Program (PRMRP) to support the best medical research to protect and support military personnel and their beneficiaries and to eradicate diseases that impact these populations. This program is administered by the US Army Medical Research and Materiel Command through the Office of the Congressionally Directed Medical Research Programs (CDMRP). The specifics of the application are given at <http://cdmrp.army.mil/pubs/press/2008/08prmrppreann.htm>

FY08 PRMRP Supplements to the Broad Agency Announcement (BAA) will be released by April 2008 for the various award mechanisms. Proposed research must be focused in one of the following 21 Congressionally directed topic areas: Alcoholism Research, Amyotrophic Lateral Sclerosis, Blood Cancer, Drug Abuse, Epilepsy Research, Eye and Vision Research, Integrated Tissue Hypoxia Research, Interstitial Cystitis, Inflammatory Bowel Disease, Leishmaniasis, Lupus, Kidney Cancer, Mesothelioma, Multiple Sclerosis, Nutrition and Health Promotion, Paget's Disease, Polycystic Kidney Disease, Pulmonary Hypertension, Scleroderma, Social Work Research, Tinnitus.

Please note that all CDMRP award mechanisms require the submission of a pre-application in accordance with the application instructions for that solicitation and that all subsequent proposal submissions are made through <http://www.grants.gov/>.

National Institutes of Health

Novel Interventions for Neurodevelopmental Disorders (R34) (RFA-MH-09-020)

National Institute of Mental Health

Application Receipt Date(s): June 17, 2008

<http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-09-020.html>

Novel Interventions for Neurodevelopmental Disorders (R21/R33) (RFA-MH-09-021)

National Institute of Mental Health

Application Receipt Date(s): June 17, 2008

<http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-09-021.html>

Leiomyomata Uteri: Basic Science, Translational and Clinical Research (R01) (PAR-08-102)

National Institute of Child Health and Human Development

National Institute of Environmental Health Sciences

Office of Research on Women's Health

Application Receipt/Submission Date(s): May 20, 2008, May 20, 2009, May 20, 2010

<http://grants.nih.gov/grants/guide/pa-files/PAR-08-102.html>

Request for Information: NIH Public Access Policy (NOT-OD-08-060)

National Institutes of Health

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-08-060.html>

Genome-Wide Association Analysis of Existing Data Sets for Arthritis and Musculoskeletal and Skin Diseases (R01) (PAR-08-123)

National Institute of Arthritis and Musculoskeletal and Skin Diseases

Application Receipt/Submission Date(s): June 18, 2008; June 18, 2009; June 18, 2010

<http://grants.nih.gov/grants/guide/pa-files/PAR-08-123.html>

Brain Disorders in the Developing World: Research Across the Lifespan (R01) (PAR-08-112)

John E. Fogarty International Center

Institute of Neurosciences, Mental Health and Addiction

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

National Institute of Child Health and Human Development

National Institute on Drug Abuse

National Institute of Environmental Health Sciences

National Institute of Neurological Disorders and Stroke

Office of Dietary Supplements

Application Receipt/Submission Date(s): May 16, 2008; May 15, 2009; May 14, 2010

AIDS Application Submission/Receipt Date(s): August 22, 2008; August 21, 2009; August 23, 2010

<http://grants.nih.gov/grants/guide/pa-files/PAR-08-112.html>

Brain Disorders in the Developing World: Research Across the Lifespan (R21) (PAR-08-113)

John E. Fogarty International Center

Institute of Neurosciences, Mental Health and Addiction

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

National Institute of Child Health and Human Development

National Institute on Drug Abuse

National Institute of Environmental Health Sciences

National Institute of Neurological Disorders and Stroke

Office of Dietary Supplements

Application Receipt/Submission Date(s): Applications not related to HIV/AIDS: May 16, 2008; May 15, 2009; May 14, 2010

AIDS Application Submission/Receipt Date(s): HIV/AIDS-related applications: August 22, 2008; August 21, 2009; August 23, 2010

<http://grants.nih.gov/grants/guide/pa-files/PAR-08-113.html>

NINDS Institutional Center Core Grants to Support Neuroscience Research (P30) (PAR-08-116)

National Institute of Neurological Disorders and Stroke

Application Receipt/Submission Date(s): Multiple dates, see announcement.

<http://grants.nih.gov/grants/guide/pa-files/PAR-08-116.html>

Limited Competition for the Academic-Community Partnership Conference Series (U13) (PAR-08-106)

National Institute of Child Health and Human Development

Application Receipt/Submission Date(s): June 17, 2008

<http://grants.nih.gov/grants/guide/pa-files/PAR-08-106.html>

TSC PUBLICATIONS

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Talos DM, Kwiatkowski DJ, Cordero K, Black PM, Jensen FE (2008) Cell-specific alterations of glutamate receptor expression in tuberous sclerosis complex cortical tubers. *Ann Neurol* 2008 Mar 18 [Epub ahead of print]

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Watz H, Oltmanns A, Kimmel S, Magnussen H, Wirtz H, Kirsten D (2008) [Sporadic lymphangioliomyomatosis. Clinical and lung functional characteristics of 32 patients] *Dtsch Med Wochenschr* 133(14):705-8 [Article published in German]

Wilson JW, du Bois RM, King TE Jr (2008) Challenges in pulmonary fibrosis: 8--The need for an international registry for idiopathic pulmonary fibrosis. *Thorax* 63(3):285-7

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CONFERENCES, WORKSHOPS, SEMINARS

April 17, 2008, 5:00 – 7:00 pm

LAM/TSC Seminar Series

Bill Sellers, MD

Oncology; Novartis Institutes for BioMedical Research; with discussant, Matthew Kulke, MD, Dana Farber Cancer Institute/ HMS

New Research Building, Harvard, Boston, MA

<http://www.lamtscseminarseries.org>

May 15-17, 2008

Conference on Diagnosis and Treatment in Pediatric Neurology

Warsaw, Poland

For more information: www.neuroped2008.pl

May 20-22, 2008

4th International Conference on Rare Diseases and Orphan Drugs (ICORD)

Global Approaches for Rare Diseases Research and Orphan Products Development
Washington, DC

For more information: <http://www.icord.cc>

May 29, 2008; 5:00 – 7:00 pm

LAM/TSC Seminar Series

Ray Yeung, M.D., F.R.C.S. (C), F.A.C.S.
New Research Building, Harvard, Boston, MA
<http://www.lamtscseminarseries.org>

June 12-17, 2008

The World Cancer Congress 2008: From Basic Research to Therapeutics

Shanghai & Hangzhou, China

For more information: <http://www.bitlifesciences.com/cancer2008/>

June 22-25, 2008

1st International Epilepsy Colloquium on the Mesial Temporal Lobe Epilepsies

Marburg, Germany

This colloquium is part of a series to be continued in Lyon, France in 2009 and Cleveland, Ohio, USA in 2010.

For more information:

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www.akmcongress.com

July 12-16, 2008

6th FENS Forum of European Neuroscience

Geneva, Switzerland

More information: forum2008@fens.org

July 27-Aug 1, 2008

PKD Meeting Sponsored by FASEB

Snowmass, CO

For more information: <http://www.faseb.org/meetings/futuremeetings.htm>

August 3-8, 2008

Gordon Conference: Mechanisms of Epilepsy and Neuronal Synchronization

Colby College, Waterville, ME

Application Deadline: Applications for this meeting must be submitted by July 13, 2008

<http://www.grc.org/programs.aspx?year=2008&program=epilepsy>

September 11-13, 2008

TSC International Research Conference 2008

University of Sussex, Brighton, UK

Organized by the Tuberous Sclerosis Association, U.K.

For more information: www.tuberous-sclerosis.org

Journal of Neurodevelopmental Disorders Advancing Interdisciplinary Research

With the discovery of specific genes underlying neurodevelopmental syndromes, with the emergence of powerful tools for studying neural circuitry, and with the development of new approaches for exploring molecular mechanisms, interdisciplinary research on the pathogenesis of neurodevelopmental disorders is now increasingly common. Behaviors common to these conditions are of interest to cognitive neuroscientists, geneticists, and interventionists. Similarly, developmental neurobiologists have great interest in candidate genes identified from clinical studies and geneticists are keenly interested in findings from basic neuroscientists that will, in turn, inform their studies. Comparing and contrasting the phenomenology, mechanisms, and etiology underlying a range of neurodevelopmental disorders will undoubtedly sharpen our understanding of the etiology and relevant phenotypes of each condition.

The aim of the *Journal of Neurodevelopmental Disorders* is to provide a forum for interdisciplinary research aimed at the integration of knowledge across a number of neurodevelopmental disorders (e.g., fetal alcohol syndrome, fragile X syndrome, Turner's syndrome, dyslexia, and autism); underlying pathogenetic mechanisms; and scientific disciplines (e.g., psychology, psychiatry, neurology, developmental neurobiology and genetics) relevant to understanding the pathogenesis of neurodevelopmental disorders. Treatment studies, informed by knowledge about pathogenesis, (e.g., pre and post treatment fMRI studies), will be relevant subjects for publication. Research on typical development that has implications for neurodevelopmental disorders will also be seen as relevant subjects for this Journal.

There exist natural barriers between disciplines that make such interactive and collaborative efforts difficult. As advances in research require more and more interdisciplinary science, this Journal can provide novel ways of juxtaposing and communicating findings that will further our understanding of these complex neurodevelopmental conditions.

For further information: Ann Avouris
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Editor-in-Chief: Joseph Piven, MD, University of North Carolina at Chapel Hill

Section Editors:

Behavior and Cognition: Helen Tager-Flusberg, PhD, Boston University

Brain Systems: Declan Murphy, MBBS, FRCPsych, MD, Institute of Psychiatry, Kings College, London

Cellular and Developmental Neurobiology: John Rubenstein, MD, PhD, University of California, San Francisco

Genetics: Stephen W. Scherer, PhD, Director, The Centre for Applied Genomics, Hospital for Sick Children and the University of Toronto

Identifying the Genes that Put the "Stem" in Cell

Researchers have identified a network of hundreds of genes that keep embryonic stem cells in their characteristic malleable state, able to develop into any cell type when the time comes. The finding, based on studies of mouse cells, provides valuable insight into the way stem cells function and could help researchers find ways to reprogram adult cells for therapeutic use. This research was published in the March 21, 2008, issue of *Cell* by Stuart H. Orkin, M.D., HHMI investigator, Children's Hospital Boston. For the full story, go to <http://www.hhmi.org//news/orkin20080325.html>

Autism Gene Scans Converge on Two Suspect Sites, Two Types of Genetic Risk
<http://www.nimh.nih.gov/science-news/2008/autism-gene-scans-converge-on-two-suspect-sites-two-types-of-genetic-risk.shtml>

TSC CLINICAL TRIALS

TSC Clinical Trials: A complete list of clinical trials that are currently enrolling study participants can be viewed on the TS Alliance web site at:
<http://tsalliance.easycgi.com/pages.aspx?content=370>

INFORMATION ABOUT TSC

For information about TSC and the Tuberous Sclerosis Alliance, visit the TS Alliance Web site at: <http://www.tsalliance.org> or contact the TS Alliance at info@tsalliance.org or by telephone: 1-800-225-6872 or 301-562-9890.

This is the April 2008 edition of *TSC Alert* – an online research newsletter for individuals interested in Tuberous Sclerosis Complex (TSC) research and clinical care. This online newsletter contains information of interest to the TSC research and health care community. Please forward this newsletter to colleagues who are interested in TSC. To be added/deleted to/from the mailing list for *TSC Alert* and/or to submit information for the May 2008 *TSC Alert* contact: vwhitemore@tsalliance.org

Archived issues of the TSC Alert can be found at: <http://www.tsalliance.org/pages.aspx?content=25>