



TSC ALERT

July 2007

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IMPORTANT SUBMISSION DEADLINES

September 23-25, 2007

Tuberous Sclerosis Complex: From Genes to New Therapeutics

International TSC Conference organized by the Tuberous Sclerosis Alliance

Loews Annapolis Hotel, Annapolis, MD

Information and Registration Forms at: www.tsalliance.org

Change in Deadlines for TS Alliance Research Grants Program

The TS Alliance will release the RFAs for FY08 following the TSC Conference in September 2007.

The anticipated deadlines for FY08 are:

- October 2007 – Release of FY08 RFAs
- December 1, 2007 - Deadline for submission of Letter of Intent (LOI) to the TS Alliance
- January 2008 - Applicants notified of review of LOIs and invitations to submit grant applications distributed
- March 3, 2008 - Deadline for submission of grant applications
- June 2008 - Notification of grant awards
- July 1, 2008 - Earliest start date for new grant awards

FUNDING OPPORTUNITIES

National Institutes of Health

Understanding and Treating Tuberous Sclerosis Complex (R01) (PAS-07-190)

National Institute of Neurological Disorders and Stroke

National Cancer Institute

National Institute of Arthritis and Musculoskeletal and Skin Diseases

National Institute of Diabetes and Digestive and Kidney Diseases

National Institute of Mental Health

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

<http://grants.nih.gov/grants/guide/pa-files/PAS-07-190.html>

Genotype and Phenotype Data Now Available from dbGaP Database; Request Process Involves New Procedures for Principal Investigators and Signing Officials (NOT-LM-07-001)

National Library of Medicine

<http://grants.nih.gov/grants/guide/notice-files/NOT-LM-07-001.html>

Notice of Intent to Publish a Limited Solicitation for Pilot Projects in Informatics for Clinical and Translational Science Awards (NOT-RR-07-012)

National Center for Research Resources

<http://grants.nih.gov/grants/guide/notice-files/NOT-RR-07-012.html>

Request for Information (RFI): Development of Assays/In Vitro Devices for Use in Clinical Oncology (NOT-CA-07-019)

National Cancer Institute

<http://grants.nih.gov/grants/guide/notice-files/NOT-CA-07-019.html>

Notice of Availability of the Data Access Request System for NHGRI Cancer Sequencing Projects (NOT-HG-07-024)

National Human Genome Research Institute

<http://grants.nih.gov/grants/guide/notice-files/NOT-HG-07-024.html>

Small Business Innovative Research Program (SBIR) Opportunities to Access the Treatment Units for Research on Neurocognition and Schizophrenia (TURNS) (NOT-MH-07-116)

National Institute of Mental Health

National Institutes of Health

<http://grants.nih.gov/grants/guide/notice-files/NOT-MH-07-116.html>

NIGMS National Centers for Systems Biology (P50) (RFA-GM-08-004)

National Institute of General Medical Sciences

Application Receipt Date(s): October 22, 2007

<http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-08-004.html>

High-End Instrumentation Grant Program (S10) (PAR-07-383)

National Center for Research Resources

Application Receipt/Submission Date(s): September 17, 2007

<http://grants.nih.gov/grants/guide/pa-files/PAR-07-383.html>

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowship Training in Complementary and Alternative Medicine (F31) (PAR-07-384)

National Center for Complementary and Alternative Medicine

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

<http://grants.nih.gov/grants/guide/pa-files/PAR-07-384.html>

Advancing Novel Science in Women's Health Research (ANSWHR) [R21] (PAS-07-381)

Office of Research on Women's Health

John E. Fogarty International Center

National Center for Complementary and Alternative Medicine

National Cancer Institute

National Eye Institute

National Human Genome Research Institute

National Heart, Lung, and Blood Institute

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

National Institute of Allergy and Infectious Diseases
National Institute of Arthritis and Musculoskeletal and Skin Diseases
National Institute of Biomedical Imaging and Engineering
National Institute of Child Health and Human Development
National Institute on Drug Abuse
National Institute on Deafness and Other Communication Disorders
National Institute of Dental and Craniofacial Research
National Institute of Environmental Health Sciences
National Institute of General Medical Sciences
National Institute of Mental Health
National Institute of Neurological Disorders and Stroke
National Institute of Nursing Research
National Library of Medicine
Office of Behavioral and Social Science Research
Office of Dietary Supplements

Application Receipt/Submission Date(s): October 16, 2007; October 16, 2008, October 16, 2009 for new applications November 16, 2007; November 16 2008; November 16, 2009 for resubmission applications AIDS Application Submission/Receipt Dates: January 7, 2008; January 7, 2009; January 7, 2010

<http://grants.nih.gov/grants/guide/pa-files/PAS-07-381.html>

Advancing Novel Science in Women's Health Research (ANSWHR) (R03) (PAS-07-382)

Office of Research on Women's Health
John E. Fogarty International Center
National Center for Complementary and Alternative Medicine
National Cancer Institute
National Human Genome Research Institute
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute of Arthritis and Musculoskeletal and Skin Diseases
National Institute of Biomedical Imaging and Engineering
National Institute of Child Health and Human Development
National Institute on Drug Abuse
National Institute of Dental and Craniofacial Research
National Institute of Environmental Health Sciences
National Institute of Mental Health
National Institute of Neurological Disorders and Stroke
National Library of Medicine
Office of Behavioral and Social Science Research
Office of Dietary Supplements

Application Receipt/Submission Date(s): October 16, 2007; October 16, 2008; October 16, 2009; for new applications November 16, 2007; November 16 2008; November 16, 2009 for resubmission applications AIDS Application Submission/Receipt Dates: January 7, 2008; January 7, 2009; January 7, 2010

<http://grants.nih.gov/grants/guide/pa-files/PAS-07-382.html>

Mouse Models Containing Human Alleles: Novel Tools to Study Brain Function (Phased Innovation Award [R21/R33]) (RFA-MH-08-050)

National Institute of Mental Health
Application Receipt Date(s): August 31, 2007

<http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-08-050.html>

Neurotechnology Research, Development, and Enhancement (SBIR [R43/R44]) (PA-07-389)

National Institute of Neurological Disorders and Stroke
National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism
National Institute of Biomedical Imaging and Engineering
National Institute of Child Health and Human Development
National Institute on Drug Abuse
National Institute on Deafness and Other Communication Disorders
National Institute of Mental Health
National Institute of Nursing Research
Application Receipt/Submission Date(s): Multiple dates, see announcement.
<http://grants.nih.gov/grants/guide/pa-files/PA-07-389.html>

Neurotechnology Research, Development, and Enhancement (STTR [R41/R42]) (PA-07-390)

National Institute of Neurological Disorders and Stroke
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute of Biomedical Imaging and Engineering
National Institute on Drug Abuse
National Institute on Deafness and Other Communication Disorders
National Institute of Mental Health
National Institute of Nursing Research
Application Receipt/Submission Date(s): Multiple dates, see announcement.
<http://grants.nih.gov/grants/guide/pa-files/PA-07-390.html>

Reducing Health Disparities Among Minority and Underserved Children (R21) (PA-07-391)

National Institute of Nursing Research
National Cancer Institute
National Heart, Lung, and Blood Institute
National Institute on Alcohol Abuse and Alcoholism
National Institute of Arthritis and Musculoskeletal and Skin Diseases
National Institute of Child Health and Human Development
Application Receipt/Submission Date(s): Multiple dates, see announcement.
<http://grants.nih.gov/grants/guide/pa-files/PA-07-391.html>

Reducing Health Disparities Among Minority and Underserved Children (R01) (PA-07-392)

National Institutes of Health
National Cancer Institute
National Heart, Lung, and Blood Institute
National Institute on Alcohol Abuse and Alcoholism
National Institute of Arthritis and Musculoskeletal and Skin Diseases
National Institute of Child Health and Human Development
Application Receipt/Submission Date(s): Multiple dates, see announcement.
<http://grants.nih.gov/grants/guide/pa-files/PA-07-392.html>

Biology of Manual Therapies (R01) (PA-07-393)

National Center for Complementary and Alternative Medicine
Institute of Musculoskeletal Health and Arthritis
Institute of Neurosciences, Mental Health and Addiction
National Institute of Biomedical Imaging and Engineering
Application Receipt/Submission Date(s): Multiple dates, see announcement.
<http://grants.nih.gov/grants/guide/pa-files/PA-07-393.html>

Methods of Statistical Analysis of DNA Sequence Data for Studies Relating Variation to Disease (R01) (RFA-MH-08-040)

National Institute of Mental Health
Application Receipt Date(s): September 20, 2007
<http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-08-040.html>

NINR Nursing Science Research on Interventions in Chronic Illness (P01) (RFA-NR-08-001)

National Institute of Nursing Research

National Cancer Institute

Application Receipt Date(s): November 26, 2007

<http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-08-001.html>

Other Foundation Support

ONLINE RESOURCE FOR EPILEPSY RESEARCH

AES, along with several other funding organizations, maintains a web site listing epilepsy research funding opportunities. The [Epilepsy Resource](#) link has information on upcoming deadlines, eligibility criteria, links to more information and samples of funded programs. Participating organizations are AES, CURE, Epilepsy Foundation, Epilepsy Therapy Development Project, NINDS, FACES, The Milken Family Foundation, PACE, and the Tuberous Sclerosis Alliance. Please share this valuable resource with your colleagues.

Epilepsy Research Grants Available from CURE

New Submission Dates and Application Guidelines for July 2008 Funding:

- **2008 CURE Quest Award** - A 1-year award up to \$50,000. This program seeks novel research projects that will address the goals of "no seizures, no side effects," and awards seed grants to researchers submitting innovative proposals that will provide new directions for epilepsy therapy, prevention and, ultimately, a cure. The award is open to both early career and established investigators.
- **2008 Christopher Donalby and Kyle Coggins Interdisciplinary Research Award** - A 1-year award up to \$100,000. This program awards a joint seed grant in support of collaborative, interdisciplinary research undertaken by at least two investigators (including early career investigators). One investigator must specialize in epilepsy and one investigator from outside the epilepsy field who is looking to extend their work into epilepsy research. Successful applicants are anticipated to pursue work that could not ordinarily be pursued by either of the investigators without collaborative effort.
- **2008 CURE Challenge Award** - Multiple-year award, up to \$250,000. This award will be presented to an established investigator exploring cutting-edge approaches to curing epilepsy. Preference will be given to research addressing the more severe and refractory syndromes of epilepsy.

Funding Cycle: For all these programs, CURE is requesting a Letter of Intent **due September 17, 2007**, for July 1, 2008 funding. Instructions and Application: Please see www.CUREepilepsy.org for full information on funding eligibility, deadlines, and submission guidelines. CURE encourages studies that may not be currently fundable by other agencies, such as the NIH, because of their preliminary or unconventional nature. Preference will be given to research addressing the more severe and refractory syndromes of epilepsy.

2007 CALL FOR PACE GRANT APPLICATIONS

Parents Against Childhood Epilepsy, Inc., A Research and Education Fund, will consider grant applications for innovative research to encourage investigation into the causes and cures of seizure disorders in children. The primary areas of research we are interested in stimulating are:

- Innovative pediatric models of epilepsy
- Electrophysiologic recording on live human tissue from epilepsy surgery
- Evaluation of neocortical epilepsies
- The role of immune or inflammatory mediators in epilepsy
- Neuro immunological effects of inflammatory molecules with the emphasis on dietary pathogens

- Other innovative proposals that fall outside the above areas that address pediatric epilepsy will be considered including quality of life

To obtain a copy of the screening application, please go to the [Pace Website](#). **Applications must be filed and received by September 17, 2007.** For more information, email pacenyemail@aol.com, fax 212.327.3075, or phone 212.665.PACE (7223)

AES and Milken Family Foundation EARLY CAREER PHYSICIAN-SCIENTIST AWARD PROGRAM

AES and the Milken Family Foundation are proud to announce the call for applications for the Early Career Physician-Scientist Award Program. This program provides a funding mechanism for physician-scientists who are embarking on academic careers and wish to develop outstanding epilepsy research programs. The goal of this program is to encourage the development of new therapies for epilepsy by providing research training for physicians early in their academic career.

Applications must be received by the end of the day **September 14, 2007**. Awardees must attend the award announcement at the AES Annual Meeting in December 2007 in Philadelphia, PA. For details, visit the [Early Career Award Program](#) link on the AES Website.

AES RESEARCH INITIATIVE FUND AWARD

The American Epilepsy Society has established a novel grant opportunity for its membership that will provide seed support to encourage innovative, collaborative basic or clinical research associated with the epilepsy field. Awards from the Research Initiative Fund will be given to AES members who are established investigators.

The objective of these awards is to encourage established investigators to think "outside the box" and involve other established investigators who may not now be working in the field of epilepsy. Members who are candidates for an Epilepsy Foundation Junior Investigator Award or AES and EF research or training fellowships will not be considered.

Letter of Intent deadline is August 31, 2007. Application procedures and details are available by visiting the [Research Initiative](#) link on the AES Website.

AES and EPILEPSY FOUNDATION RESEARCH INFRASTRUCTURE AWARD

This program was established to provide an opportunity for scientists to obtain support for nationwide or international networks of clinical or basic science researchers focused on understanding the causes, consequences and treatment of epilepsy. This program is jointly funded by AES and the Epilepsy Foundation and is not limited to AES members. The application process has two steps. **The Letter of Intent is due August 31, 2007.** For details, go to the [Infrastructure Award](#) link on the AES Website.

AES RESEARCH & TRAINING WORKSHOP AWARD

AES, through the Research and Training Committee, provides funding for targeted workshops intended for clinical or scientific audiences and on specific collaborative topics in neuroscience. Applications for funding are due **October 12, 2007**. For details and the application cover sheet, go to the [Research & Training Award](#) link on the AES Website.

NEW TSC PUBLICATIONS

Attili AK, Kazerooni EA (2007) Case 116: lymphangioliomyomatosis. *Radiology* 244(1):303-8

Ballou LM, Selinger ES, Choi JY, Drucehammer DG, Lin RZ (2007) Inhibition of mammalian target of rapamycin signaling by 2-(morpholin-1-yl)pyrimido[2,1- α]isoquinolin-4-one. *J Biol Chem* 2007 Jun 11 [Epub ahead of print]

- Bilanges B, Argonza-Barrett R, Kolesnichenko M, Skinner C, Nair M, Chen M, Stokoe D (2007) TSC1/TSC2 Control Serum-Dependent Translation in a TOP-Dependent and -Independent Manner. *Mol Cell Biol* 2007 Jun 11 [Epub ahead of print]
- Brodsky MC, Safar AN (2007) Optic disc tuber. *Arch Ophthalmol* 125(5):710-2
- Carelli S, Lesma E, Paratore S, Grande V, Zadra G, Bosari S, Di Giulio AM, Gorio A (2007) Survivin expression in tuberous sclerosis complex cells. *Mol Med* 13(3-4):166-77
- Danforth TL, Lane BR, Novick AC (2007) Conservative management of giant symptomatic angiomyolipomas in patients with the tuberous sclerosis complex. *BJU Int* 2007 Jun 21 [Epub ahead of print]
- Fonseca BD, Smith EM, Lee VH, Mackintosh C, Proud CG (2007) PRAS40 is a target for mammalian target of rapamycin complex 1 and is required for signaling downstream of this complex. *J Biol Chem* 2007 Jun 29 [Epub ahead of print]
- Goncharova EA, Krymskaya VP (2007) Pulmonary lymphangiomyomatosis (LAM): Progress and current challenges. *J Cell Biochem* 2007 May 31 [Epub ahead of print]
- Grigorescu C, Bosanceanu M, Boisteanu D, Aldea A, Chiselita I, Cozma LG (2007) [Lymphangiomyomatosis (LAM)--an uncommon cause of bilateral spontaneous pneumothorax] *Rev Med Chir Soc Med Nat Iasi* 111(1):125-8
- Gui Y, He GH, Walsh MP, Zheng XL (2007) Predisposition to tetraploidy in pulmonary vascular smooth muscle cells derived from the Eker rats. *Am J Physiol Lung Cell Mol Physiol* 2007 Jun 15 [Epub ahead of print]
- Han S, Zheng Y, Roman J (2007) Rosiglitazone, an Agonist of PPARgamma, Inhibits Non-Small Cell Carcinoma Cell Proliferation In Part through Activation of Tumor Sclerosis Complex-2. *PPAR Res* 2007:29632
- Hayashida M, Seyama K, Inoue Y, Fujimoto K, Kubo K; The Respiratory Failure Research Group of the Japanese Ministry of Health, Labor, and Welfare (2007) The epidemiology of lymphangiomyomatosis in Japan: A nationwide cross-sectional study of presenting features and prognostic factors. *Respirology* 12(4):523-30
- Jeyapalan AS, Orellana RA, Suryawan A, O'connor PM, Nguyen HV, Escobar J, Frank JW, Davis TA (2007) Glucose Stimulates Protein Synthesis in Skeletal Muscle of Neonatal Pigs through an AMPK and mTOR Independent Process. *Am J Physiol Endocrinol Metab* 2007 Jun 5 [Epub ahead of print]
- Kossoff EH, Turner Z, Bergey GK (2007) Home-guided use of the ketogenic diet in a patient for more than 20 years. *Pediatr Neurol* 36(6):424-5
- Lim SD, Stallcup W, Lefkove B, Govindarajan B, Au KS, Northrup H, Lang D, Fisher DE, Patel A, Amin MB, Arbiser JL (2007) Expression of the Neural Stem Cell Markers NG2 and L1 in Human Angiomyolipoma: Are Angiomyolipomas Neoplasms of Stem Cells? *Mol Med* 13(3-4):160-5
- Malphrus AD, Wilfong AA (2007) Use of the newer antiepileptic drugs in pediatric epilepsies. *Curr Treat Options Neurol* 9(4):256-67
- Nandagopal R, Vortmeyer A, Oldfield EH, Keil MF, Stratakis CA (2007) Cushing's syndrome due to a pituitary corticotropinoma in a child with tuberous sclerosis: an association or a coincidence? *Clin Endocrinol (Oxf)* 2007 Jun 26 [Epub ahead of print]

- Paghdal KV, Schwartz RA (2007) Sirolimus (rapamycin): From the soil of Easter Island to a bright future. *J Am Acad Dermatol* 2007 Jun 19 [Epub ahead of print]
- Schuler A, Coupland SE, Krause L, Bornfeld N (2007) [Malignant and non-malignant uveitis-masquerade syndromes in childhood.] *Klin Monatsbl Augenheilkd* 224(6):477-82 [Article published in German]
- Pozzati E, Zucchelli M, Schiavina M, Contini P, Foschini MP (2007) Rapid growth and regression of intracranial meningiomas in lymphangioliomyomatosis: case report. *Surg Neurol* 2007 Jun 20 [Epub ahead of print]
- Soliman W, Larsen M, Sander B, Wegener M, Milea D (2007) Optical coherence tomography of astrocytic hamartomas in tuberous sclerosis. *Acta Ophthalmol Scand* 85(4):454-5
- Stenzel W, Franitza M, Becker AJ, Montesinos-Rongen M, Lohr M, Lee JY, Rohn G, Miletic H, Deckert M (2007) A 30-year-old patient with tuberous sclerosis. *Brain Pathol* 17(3):333-4
- Tang CH, Lu DY, Tan TW, Fu WM, Yang RS (2007) Ultrasound induces hypoxia-inducible factor-1 activation and inducible nitric oxide synthase expression through integrin/integrin-linked kinase/Akt/mammalian target of rapamycin pathway in osteoblasts. *J Biol Chem* 2007 Jun 21 [Epub ahead of print]
- Taviloglu K, Yanar H, Dilege E, Poyanli A, Zorba O, Ertekin C, Guloglu R, Dursun M (2007) Non-traumatic kidney rupture in a tuberous sclerosis patient with renal angiomyolipomas. *Intern Med J* 37(7):504-5
- van Slegtenhorst M, Khabibullin D, Hartman TR, Nicolas E, Kruger WD, Henske EP (2007) The Birt-Hogg-dube and tuberous sclerosis complex homologs have opposing roles in amino acid homeostasis in *Schizosaccharomyces Pombe*. *J Biol Chem* 2007 Jun 7 [Epub ahead of print]
- Weiss HR, Liu X, Zhang Q, Chi OZ (2007) Increased cerebral oxygen consumption in Eker rats and effects of N-methyl-D-aspartate blockade: Implications for autism. *J Neurosci Res* 2007 Jun 4 [Epub ahead of print]
- Wu M, Wahl PR, Le Hir M, Wackerle-Men Y, Wuthrich RP, Serra AL (2007) Everolimus Retards Cyst Growth and Preserves Kidney Function in a Rodent Model for Polycystic Kidney Disease. *Kidney Blood Press Res* 30(4):253-259 [Epub ahead of print]
- Yano T, Hasizume I, Kasamatsu N, Kato T, Shibata M, Ashinuma N, Kobayashi K, Yasuda T, Nakamura A (2007) [A case of lymphangioliomyomatosis found due to chylous ascites, pleural effusion and pelvic lymphadenopathy.] *Nihon Kokyuki Gakkai Zasshi* 45(5):399-403 [Article published in Japanese]

CONFERENCES AND SEMINARS

July 10, 2007

Thirteenth Meeting of the Secretary's Advisory Committee on Genetics, Health, and Society

Hubert H. Humphrey Building, Room 800
200 Independence Avenue S.W.
Washington D.C., 20201

The meeting is open to the public, and pre-registration is not required. Seating will be available on a first-come-first-serve basis. For directions, please visit <http://www.hhs.gov/about/hhhmap.html>

September 6-8, 2007

4th Annual World Congress of the International Brain Mapping & Intraoperative Surgical Planning Society (IBMISPS)

Washington Plaza Hotel, Washington, D.C.

Information and Registration: www.ibmisp.org

September 7-11, 2007

Joint Molecular Imaging Conference

Providence, RI

Information: <http://www.molecularimaging.org/2007jointconf/abstracts07.php>

September 20 & 21, 2007

Eyes on the Prize: Truth Telling about Genetic Testing

Washington, DC

More information and registration coming soon!

September 23-25, 2007

Tuberous Sclerosis Complex: From Genes to New Therapeutics

International TSC Research Symposium organized by the Tuberous Sclerosis Alliance

Loews Annapolis Hotel, Annapolis, MD

For more information, visit the TS Alliance website at www.tsalliance.org

October 23-27, 2007

57th Annual Meeting of the American Society of Human Genetics

San Diego Convention Center, San Diego, CA

For more information: www.ashg.org

November 3-4, 2007

Advances in Tuberous Sclerosis: From Pathway to Therapy

Sydney Children's Hospital, Randwick, NSW, Australia

For more information, contact Dr. David Mowat at d.mowat@unsw.edu.au or Dr John Lawson at John.Lawson@unsw.edu.au

November 27-29, 2007

2007 National Prevention and Health Promotion Summit

Hyatt Regency Capitol Hill

Washington D.C.

Conference Contact Information: <http://www.cdc.gov/cochp/conference/index.htm>

November 30 - December 4, 2007

American Epilepsy Society

Philadelphia Convention Center, Philadelphia, PA

For more information and to submit an abstract, go to: www.AESNET.org

TSC SIG will be held on Friday, November 30 at 1:00 pm, and stop by the TS Alliance exhibit in the Exhibit Hall!

April 11-13, 2008

LAM Foundation 2008 International Research Conference (LAMposium)

Westin Hotel, Cincinnati, OH

For more information: www.thelamfoundation.org

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

NEWS

Encourage Policymakers to Offer an Opinion on the Nation's Healthcare Research

Visit www.yourcongressyourhealth.org, sponsored by Research!America, and send a message to your state Representative and Senators requesting their participation in an online Your Congress-Your Health questionnaire. The Society for Neuroscience has partnered with Research!America in its ongoing campaign to make medical and health research a higher national priority. The questionnaire can be viewed at www.yourcongressyourhealth.org/about_questions.php

How a Genetic Roll of the Dice Paves the Way for Lymphatic Cancers

For most cells, keeping DNA in optimal condition is a high priority. Most cells do not hesitate to halt their usual life cycle while they fix anything that is amiss, even resorting to suicide to stop damage from spreading. But the immune system persistently gambles, putting organisms at risk for cancer and other diseases as it prepares to defend against potential pathogens. A new study shows how loss of a single enzyme that performs two critical functions can create the potential for cancer when immune cells divide and mature. This research by Michel C. Nussenzweig, M.D., Ph.D., HHMI investigator at The Rockefeller University was published in the June 29, 2007, issue of Cell. For the full story, go to: <http://www.hhmi.org/news/nussenzweig20070629.html>

New Online Resource from Epilepsy.com

The Epilepsy Therapy Development Project, the non-profit, parent organization of Epilepsy.com (www.epilepsy.com), today announced the launch of "Seizure Preparedness," a comprehensive online resource that provides vital information to help patients and families develop a seizure preparedness plan, with the goal of maximizing faster response and safety in a seizure emergency. "Seizure Preparedness" contains downloadable printable tools and forms including seizure actions plans that can be easily tailored to individuals of all ages. It addresses issues from managing seizures to recognizing emergency situations and provides the clear, concise information needed for caregivers and those working with people with epilepsy.

TSC CLINICAL TRIALS AND STUDIES

A 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>

TSC INFORMATION

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 July 2007 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 August 2007 *TSC Alert* contact: vwhitemore@tsalliance.org

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