



TSC ALERT

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February 2006

Welcome to the February 2006 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 March 2006 *TSC Alert* contact: vwhittemore@tsalliance.org

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IMPORTANT ANNOUNCEMENTS

UPCOMING TSC CONFERENCES:

TS ALLIANCE AND PKD FOUNDATION TO PRESENT SPECIAL WORKSHOP FOR RESEARCHERS AND CLINICIANS.

The two organizations are co-sponsoring "Polycystic Kidney Disease and Tuberous Sclerosis Complex: Building Bridges to the Future," March 9-10, 2006 in Chicago, IL. For more information and to register, click [here](#).

NUTRIENT SENSING, INSULIN SIGNALING AND HAMARTOMA SYNDROMES MEETING

This conference will be held May 11- 12, 2006 in Lister Hall, National Institutes of Health, Bethesda, MD. Organized and sponsored by the National Institute of Diabetes and Digestive and Kidney Disease and the National Cancer Institute, National Institutes of Health
For more information, see: <http://www.niddk.nih.gov/fund/other/nutrientsensing/index.htm>

FUNDING OPPORTUNITIES

TUBEROUS SCLEROSIS COMPLEX RESEARCH PROGRAM (TSCRCP) IN CONGRESSIONALLY DIRECTED MEDICAL RESEARCH PROGRAM (CDMRP) RELEASES RFPS

Three award mechanisms are available for TSC researchers:

Concept Awards
Clinical Resource Development Awards
Idea Development Awards
Submission deadline: April 25, 2006
Funding Notification: November 2006
Information on the TSCR and the RFPs: <http://cdmrp.army.mil/tscrp/default.htm>

UNDERSTANDING AND TREATING TUBEROUS SCLEROSIS COMPLEX

Participating Organizations

National Institutes of Health (NIH), (<http://www.nih.gov/>)
Tuberous Sclerosis Alliance (TS Alliance), (<http://www.tsalliance.org>)

Components of Participating Organizations

National Institute of Neurological Disorders and Stroke (NINDS), (<http://www.ninds.nih.gov>)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), (<http://www.niddk.nih.gov/>)
National Institute of Mental Health (NIMH), (<http://www.nimh.nih.gov>)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), (<http://www.niams.nih.gov>)
National Cancer Institute (NCI), (<http://www.nci.nih.gov>)

Letters of Intent Receipt Date(s): Not Applicable

Application Receipt Dates(s): Standard dates apply, please see
<http://grants.nih.gov/grants/funding/submissionschedule.htm> for details

Peer Review Date(s): Standard dates apply, please see
<http://grants.nih.gov/grants/funding/submissionschedule.htm> for details

Council Review Date(s): Standard dates apply, please see
<http://grants.nih.gov/grants/funding/submissionschedule.htm> for details

Earliest Anticipated Start Date: April 2006

Additional Information To Be Available Date (Url Activation Date): Not Applicable

Expiration Date: March 2, 2008

AMERICAN EPILEPSY SOCIETY

The **Research & Training Workshop Award** program 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. For details and the application cover sheet go to <http://www.aesnet.org/Visitors/Research/sponsoredgrants/index.cfm>

The **Research Infrastructure Award** 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 March 15th. For details go to <http://www.aesnet.org/Visitors/Research/sponsoredgrants/index.cfm>

THE LAM FOUNDATION offers research funding for the study of the cellular and molecular basis of Lymphangioliomyomatosis (LAM). The three-year LAM Post Doctoral Fellowship Awards and Established Investigator Awards provide a maximum of \$150,000. Pilot project awards of up to \$25,000 are also available for the initiation of innovative research projects. Fellowship candidates must have at least two years of experience, a PhD, MD, or equivalent degree, and perform the work in a laboratory with established expertise in smooth muscle biology, genetics of tuberous sclerosis or other LAM-related areas. Established investigators must have a substantial track record in research. Mechanistic, hypothesis driven approaches of all types are welcomed. Formalin-fixed LAM tissues, dispersed LAM lung cells, genetic probes and other reagents are available. The spring application deadline is March 15th. Applicants will be notified by May 30th. Funding begins June 15. The fall deadline is September 15th. Applicants will be notified by December 30th. Funding begins January 15th of the following year. Application and guidelines are available for downloading on our website. For your convenience, you will find the terms and application form under [Funding for Scientists](#). For additional information, please contact The LAM Foundation at 10105 Beacon Hills Drive, Cincinnati, Ohio, 45241-1335 or email lam@one.net

ALLIANCE FOR CANCER GENE THERAPY Alliance for Cancer Gene Therapy (ACGT) funds research aimed at furthering the development of gene therapy approaches to the treatment of cancer. To this end, ACGT offers several categories of awards to qualified scientists who are working in the field of cancer gene therapy:

[YOUNG INVESTIGATORS AWARD](#) ▼

(with six main areas of research)

[INVESTIGATORS AWARD IN THE CLINICAL TRANSLATION OF GENE THERAPY FOR LUNG CANCER](#) ▼

[INVESTIGATORS AWARD IN THE CLINICAL TRANSLATION OF ANTI-ANGIOGENIC GENE THERAPY FOR CANCER](#) ▼

JAMES S. McDONNELL FOUNDATION: 21st CENTURY SCIENCE INITIATIVE - 2006

Research Award Application Deadline: 5:59 PM CST on Monday March 13, 2006

The James S. McDonnell Foundation (JSMF) announces updated program descriptions and application guidelines for its 21st Century Science Initiative Research Awards. The 21st Century Research Awards support investigator-initiated research. Funding is available for research projects in Brain Cancer; Bridging Brain, Mind, and Behavior; and Studying Complex Systems. Program information, application guidelines, and proposal preparation instructions are available at: <http://www.jsmf.org> No geographic restrictions; international applications are encouraged. Information on the Foundation's 21st Century Collaborative Activity Awards is also available on the website.

EPILEPSY FOUNDATION FUNDING OPPORTUNITIES

The Epilepsy Foundation invites applications for its Behavioral Sciences Postdoctoral Fellowships (\$40,000), Behavioral Sciences Student Fellowships (\$3,000), and Health Sciences Student Fellowships (\$3,000). The deadline for submission of applications is March 1. Funding of projects is to commence July 1, 2006. Guidelines, including applications and deadlines, are available at www.epilepsyfoundation.org/grants

REQUEST FOR INFORMATION (RFI): NOMINATION OF KNOCKOUT MICE FOR DEPOSITION IN PUBLIC REPOSITORIES (NOT-DA-06-008)

National Institute on Drug Abuse

National Cancer Institute

National Center for Research Resources

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 Child Health and Human Development National

Institute on Deafness and Other Communication Disorders National

Institute of Dental and Craniofacial Research National Institute of

Diabetes and Digestive and Kidney Diseases National Institute of

Environmental Health Sciences National Institute of Mental Health

National Institute of Neurological Disorders and Stroke

<http://grants.nih.gov/grants/guide/notice-files/NOT-DA-06-008.html>

REQUEST FOR INFORMATION: MODIFICATIONS TO NHLBI POLICY FOR DISTRIBUTION OF DATA FROM CLINICAL TRIALS AND EPIDEMIOLOGY STUDIES (NOT-HL-06-116)

National Heart, Lung, and Blood Institute

<http://grants.nih.gov/grants/guide/notice-files/NOT-HL-06-116.html>

NOTICE OF THE NHLBI PROGRAM IN COMPUTATIONAL MODELING FOR HEART, LUNG, BLOOD, AND SLEEP BIOLOGISTS: INTRODUCTORY COURSES (NOT-HL-06-115)

National Heart, Lung, and Blood Institute

<http://grants.nih.gov/grants/guide/notice-files/NOT-HL-06-115.html>

TUMOR MICROENVIRONMENT NETWORK (TMEN) (U54) (RFA-CA-06-014)

National Cancer Institute

Application Receipt Date(s): May 10, 2006

<http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-06-014.html>

EXPLORATORY GRANTS FOR INCREASING THE UTILIZATION AND IMPACT OF THE NATIONAL CANCER INSTITUTE'S CANCER INFORMATION SERVICE (R21) (RFA-CA-06-015)

National Cancer Institute

Application Receipt Date(s): April 19, 2006

<http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-06-015.html>

INTERDISCIPLINARY RESEARCH CONSORTIUM (U54)(RFA-RM-06-008)

Letters of Intent Receipt Date: Not applicable

Application Receipt Date: December 19, 2006

<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-06-008.html>

PREAPPLICATION FOR INTERDISCIPLINARY RESEARCH CONSORTIUM (X02)(PAR-06-122)

Letters of Intent Receipt Date: March 21, 2006

Application Receipt Date: April 18, 2006

<http://grants.nih.gov/grants/guide/pa-files/PAR-06-122.html>

STRUCTURAL BIOLOGY OF MEMBRANE PROTEINS (R01)(PA-06-119)

Letters of Intent Receipt Date: Not applicable

Application Receipt Dates: Multiple dates; see announcement

<http://grants.nih.gov/grants/guide/pa-files/PA-06-119.html>

PHS 2006-02 OMNIBUS SOLICITATION OF THE NIH, CDC, AND FDA FOR SMALL BUSINESS INNOVATION RESEARCH GRANT APPLICATIONS (Parent SBIR [R43/R44]) (PA-06-120)

Letters of Intent Receipt Date: Not applicable

Application Receipt Dates: Multiple dates; see announcement

<http://grants.nih.gov/grants/guide/pa-files/PA-06-120.html>

PHS 2006-2 OMNIBUS SOLICITATION OF THE NIH FOR SMALL BUSINESS TECHNOLOGY TRANSFER GRANT APPLICATIONS (Parent STTR [R41/R42]) (PA-06-121)

Letters of Intent Receipt Date: Not applicable

Application Receipt Dates: Multiple dates; see announcement

<http://grants.nih.gov/grants/guide/pa-files/PA-06-121.html>

NIH PATHWAY TO INDEPENDENCE (PI) AWARD (K99/R00) (PA-06-133)

Letters of Intent Receipt Date: Not applicable

Application Receipt Dates: Multiple dates; see announcement.

<http://grants.nih.gov/grants/guide/pa-files/PA-06-133.html>

SMALL ANIMAL IMAGING RESOURCE PROGRAM (U24) (RFA-CA-07-004)

National Cancer Institute

Application Receipt Date(s): May 18, 2006

<http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-07-004.html>

CLINICAL PROTEOMIC TECHNOLOGY ASSESSMENT FOR CANCER (U24)(RFA-CA-07-012)

National Cancer Institute

Application Receipt Date(s): April 21, 2006

<http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-07-012.html>

INTERVENTION RESEARCH GRANTS TO PROMOTE THE HEALTH OF PEOPLE WITH DISABILITIES (RFA-DD-06-004)

National Center for Birth Defects and Developmental Disabilities

Application Receipt Date(s): April 11, 2006

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DD-06-004.html>

GENOME-WIDE ASSOCIATION STUDIES TO IDENTIFY GENETIC COMPONENTS THAT RELATE TO HEART, LUNG, AND BLOOD DISORDERS (R01)(RFA-HL-06-012)

National Heart, Lung, and Blood Institute

Application Receipt Date(s): April 20, 2006

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-06-012.html>

NEW TSC PUBLICATIONS

Belmar P, Boixeda P, Baniandres O, Fernandez-Lorente M, Arrazola JM (2005) [Long-term follow up of angiofibromas treated with CO2 laser in 23 patients with tuberous sclerosis.] *Actas Dermosifiliogr* 96(8):498-503 [Article in Spanish]

Bisceglia M, Galliani CA, Senger C, Stallone C, Sessa A (2006) Renal Cystic Diseases: A REVIEW. *Adv Anat Pathol* 13(1):26-56

Chong-Kopera H, Inoki K, Li Y, Zhu T, Garcia-Gonzalo FR, Rosa JL, Guan KL (2006) TSC1 stabilizes TSC2 by inhibiting the interaction between TSC2 and the HERC1 ubiquitin ligase. *J Biol Chem* 2006 Feb 7 [Epub ahead of print]

Clarke MJ, Foy AB, Wetjen N, Raffel C (2006) Imaging characteristics and growth of subependymal giant cell astrocytomas. *Neurosurg Focus* 20(1):E5

Ech-Cherif El Kettani N, Salaheddine T, El Quessar A, El Kharras A, El Hassani M, Chakir N, Boukhrissi N, Benameur M, Jiddane M (2006) [Neuro-imaging of tuberous sclerosis.] *J Radiol* 87(2 Pt 1):109-13 [Article in French]

Franz DN, Leonard J, Tudor C, Chuck G, Care M, Sethuraman G, Dinopoulous A, Thomas G, Crone KR (2006) Rapamycin causes regression of astrocytomas in tuberous sclerosis complex. *Ann Neurol* 2006 Feb 1 [Epub ahead of print]

Harari S, Paciocco G (2005) An integrated clinical approach to diffuse cystic lung diseases. *Sarcoidosis Vasc Diffuse Lung Dis* 22 Suppl 1:S31-9

Hatori M, Watanabe M, Kokubun S (2005) Angiomyolipoma in the knee--a case report. *Ups J Med Sci* 110(3):245-9

Huggins RH, Janusz CA, Schwartz RA (2006) Vitiligo: A sign of systemic disease. *Indian J Dermatol Venereol Leprol* 72(1):68-71

Kaper F, Dornhoefer N, Giaccia AJ (2006) Mutations in the PI3K/PTEN/TSC2 Pathway Contribute to Mammalian Target of Rapamycin Activity and Increased Translation under Hypoxic Conditions. *Cancer Res* 66(3):1561-9

Liu L, Cash TP, Jones RG, Keith B, Thompson CB, Simon MC (2006) Hypoxia-Induced Energy Stress Regulates mRNA Translation and Cell Growth. *Mol Cell* 21(4):521-531

McCall T, Chin SS, Salzman KL, Fults DW (2006) Tuberous sclerosis: a syndrome of incomplete tumor suppression. *Neurosurg Focus* 20(1):E3

Mhaweck-Fauceglia P, Cheney RT, Schwaller J (2006) Genetic alterations in urothelial bladder carcinoma: an updated review. *Cancer* 2006 Feb 8 [Epub ahead of print]

Piedimonte LR, Wailes IK, Weiner HL (2006) Tuberous sclerosis complex: molecular pathogenesis and animal models. *Neurosurg Focus* 20(1):E4

Saleem I, Moss J, Egan JJ (2005) Lung transplantation for rare pulmonary diseases. *Sarcoidosis Vasc Diffuse Lung Dis* 22 Suppl 1:S85-90

Salvi PF, Bellotti C, Giulii Cappone M, Gigli R, Scicchitano F, Cancrini A (2005) Angiomiolipoma renale gigante in paziente con sclerosi tuberosa: descrizione di un caso e revisione della letteratura.] G Chir 26(11-12):411-4 [Article in Italian] <http://www.giornalechirurgia.it/index.php?PAGE=article&ID=935>

Steagall WK, Taveira-DaSilva AM, Moss J (2005) Clinical and molecular insights into lymphangiomyomatosis. Sarcoidosis Vasc Diffuse Lung Dis 22 Suppl 1:S49-66

Valencia JC, Pacheco-Rodriguez G, Carmona AK, Xavier J, Bruneval P, Riemenschneider WK, Ikeda Y, Yu ZX, Ferrans VJ, Moss, J (2006) Tissue-Specific Renin-Angiotensin System in Pulmonary Lymphangiomyomatosis (LAM). Am J Respir Cell Mol Biol 2006 Feb 10 [Epub ahead of print]

Wong H, Hadi M, Khoury T, Geary D, Rubin B, Filler G (2006) Management of severe hypertension in a child with tuberous sclerosis-related major vascular abnormalities. J Hypertens 24(3):597-599

CONFERENCES

March 9-10, 2005

PKD/TSC Research Workshop

Chicago, IL

For more information and to register, click [here](#).

March 9 – 11, 2006

American Society for Experimental Neurotherapeutics: Eighth Annual Meeting

Omni Shoreham Hotel, Washington, DC

For more information: ASENT Executive Office at 414-273-8290 or e-mail: info@asent.org

March 31 – April 2, 2006

LAM Foundation 2006 Research Conference

Hilton Netherlands Cincinnati Hotel

Cincinnati, OH

<http://lam.uc.edu>

May 11-12, 2006

Hamartoma Syndromes and Insulin Signaling

Lister Hall, National Institutes of Health, Bethesda, MD

Information: <http://www.niddk.nih.gov/fund/other/nutrientsensing/index.htm>

May 20-25, 2006

American Psychiatric Association: From Science to Public Policy

Toronto, Canada

www.psych.org

June 4-7, 2006

Genomics & Public Health

4th International DNA Sampling Conference

Omni Hotel, Montreal, Canada

Deadline for abstract submission: March 15, 2006

Information: www.humgen.umontreal.ca/events/dnasampling

June 15-17, 2006

American Epilepsy Society Mid-Year Meeting

Oak Brook, IL

www.aesnet.org

July 2-6, 2006

7th European Congress of Epileptology

Helsinki Fair Centre, Helsinki, Finland

<http://www.epilepsyhelsinki2006.org>

July 8-12, 2006

5th Forum of European Neuroscience

Austria Center Vienna, Austria

<http://www.fens.org>

July 8-12, 2006

UICC World Cancer Congress 2006

Washington Convention Center, Washington, DC

<http://www.2006conferences.org/u-program.php>

Submit abstracts to UICC 2006 through the official conference website at

http://2006.confex.com/2006/uicc/index_UICC.epi

All abstracts must be submitted electronically.

For more information about abstract submission, please see

<http://www.2006conferences.org/u-abstracts.php>

SAVE THE DATE! July 14-16, 2006

National TSC Conference

Organized by the Tuberous Sclerosis Alliance

[Indian Lakes Resort](#)

Chicago, Illinois

<http://www.tsalliance.org>

July 27-30, 2006

6th Asian & Oceanian Epilepsy Congress

Kuala Lumpur Convention Centre

Kuala Lumpur, Malaysia

www.epilepsykualalumpur2006.org

August 2-4, 2006

10th European Conference on Epilepsy & Society

Copenhagen, Denmark

For more information: <http://www.epilepsyandsociety.org>

August 6-10, 2006

11th International Congress of Human Genetics

Brisbane, Australia

<http://www.ichg2006.com>

August 6-11, 2006

Gordon Research Conference on Mechanisms of Epilepsy and Neuronal Synchronization

Colby College, Waterville, Maine

For conference program and application form, see <http://www.grc.uri.edu/programs/2006/epilepsy.htm> Note that conference attendance is strictly limited, therefore, early application is highly recommended. Poster presentations are key and popular aspects of Gordon conferences, and poster information is to be included in the application form. Women and minorities are especially encouraged to apply. Some travel assistance to students, postdocs and minorities will be available based on need.

Did you know that The GRC has limited funds available through the **Carl Storm Underrepresented Minority Fellowship program** to support the participation of eligible minority students, faculty and scientists at Gordon Research Conferences during 2006? Please follow [this link](#) to learn more about, and apply for this program.

In some cases, the above link may not work. If you have trouble please copy and paste the following link into your web browser.

<https://www.grc.org/csf/CSF1.asp?id=1445316>

September 6-9, 2006

4th Latin American Congress on Epilepsy 2006

Guatemala City, Guatemala

<http://www.epilepsyguatemala2006.org>

September 10-14, 2006

XXVIIIth International Congress of Clinical Neurophysiology

Edinburgh, UK

www.iccn2006.com

October 6-11, 2006

Plastic Surgery 2006

San Francisco, CA

www.plasticsurgery.org/annual_meeting

October 7-10, 2006

19th Annual ISONG Conference: Genomic Health Care: The Future is Now

Bourbon Orleans Hotel, New Orleans, LA

For more information: www.isong.org

October 30 – November 2, 2006

World Congress on Autism

Cape Town, South Africa

Call for Papers closes 30th September 2005

Early Bird Registration Closes June 30th 2006

Please visit www.autismcongress.com

March 2007

NINDS Epilepsy Conference

Follow-up to 2000 Conference "Curing Epilepsy: Focus on the Future"

<http://www.ninds.nih.gov>

May 18-21, 2007

20th Annual ISONG Conference: Global Issues in Genomic Healthcare

Marriott Bristol City Centre, Bristol, England

For more information: www.isong.org

July 8-12, 2007

27th International Epilepsy Congress

Suntec Singapore International Convention and Exhibition Center

Singapore

For more information: www.epilepsycongress.org

NEWS

PUTTING ON THE BRAIN'S BRAKES Researchers know a lot about the genes that make our biological clocks tick, but little is known about how the brain's clock causes animals to busy themselves or rest. Now, neuroscientists at Harvard Medical School have found a molecule that the brain uses to slam the brakes on daily activity at certain times. Understanding the molecular mechanisms that drive the cycles of activity and rest could help scientists identify the circuits that convert timing information from the brain's clock into rhythmic behavioral responses. Identifying these circuits might enable researchers to develop drugs to adjust a person's propensity for rest or for

action at different times of day. This research was published in the February 03, 2006, issue of Nature Neuroscience. For the full story, go to <http://www.hhmi.org/news/kraives20060203.html>

EMPLOYMENT OPPORTUNITIES

Scientific Director, The Rothberg Institute The Scientific Director will be responsible for providing oversight to The Rothberg Institute's Drug Development Program. **Interested individuals can view the job description at:** <http://www.childhooddiseases.org>

Director, Coordinating Center for Health Promotion (CoCHP) AD-601/602 –00 Department of Health and Human Services (HHS), Centers for Disease Control and Prevention (CDC), Coordinating Center for Health Promotion (CoCHP), Atlanta, GA **Applicants may visit the CDC Home Page at** <http://www.cdc.gov>

TSC INFORMATION

For information about TSC, 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.