

WEEKLY FUNDING ALERTS Week of 11.24.10

Featured Funding Opportunity

Christopher and Dana Reeve Foundation – Individual Research Grants

Description: Funds activities that identify therapies for paralysis caused by spinal cord injury and other sequelae of central nervous system injury. Current funding priorities include:

- Studying strategies that may promote neuronal growth and survival, encourage the formation of synapses, enhance the production of myelin, restore conduction capabilities, or may otherwise lead to restoration of the compromised circuitry in the acutely and chronically injured spinal cord;
- Evaluating the efficacy of drugs or other interventions that protect against secondary neuronal injury or provide insight into the mechanisms causing such damage;
- Defining anatomical characteristics of spinal cord injury in well-defined animal models and in the human spinal cord, specifically documenting the neuronal systems that are most vulnerable to spinal cord injury and the functional losses occurring as a result; and
- Elucidating the biological mechanisms underlying approaches to improve concomitant functions affected by spinal cord injury, (e.g., bladder function, sexual function) and alleviate chronic pain and spasticity.

The development of treatments for chronic injury is a high priority for the organization; however, funding will also be provided for studies more relevant to the acute phase of injury. Basic research will be supported if it has clear potential to accelerate progress at the applied end of the continuum or if it reflects a research “change of direction.”

Deadline: December 15, 2010

Amount: Independent investigators may request up to \$75,000 per year for two years. Postdoctoral fellows may request up to \$60,000 per year.

Eligibility: Applications will be accepted only from those with a PhD, MD, or other equivalent professional degree, employed at a qualifying research institution. Established scientists, young investigators (completed postdoc within last five years), and postdoctoral fellows may serve as PI.

Non-Federal, Foundation and Corporate Opportunities

OHSU Foundation Tracking and Clearance: Please note all of the following private foundation opportunities require OHSU Foundation clearance, unless otherwise indicated. If you intend to apply, please follow the instructions and complete the OHSU Foundation tracking and clearance form available [here](#).

Alex’s Lemonade Stand Foundation – Multiple Opportunities

- **Innovation Grants** – Provides seed funding for mid-career researchers with a novel approach to pediatric cancer scientific investigation. This may often represent a change in research direction or an innovative new idea that moves away from an investigator’s prior research. || **Deadline:** Letter of intent: December 1, 2010 / Full application by invitation only. || **Amount:** Up to \$100,000 per year for up to two years. || **Eligibility:** Applicants should be at the late assistant, associate or full professor level. They may be MD, MD/PhD, or PhD. Applicants should be established investigators with a track record of peer-reviewed publications and evidence of successfully competing for substantial extramural funding in other areas. Funds will be granted to non-profit institutions or organizations operating in the U.S. or Canada; however, researchers need not be U.S. citizens.
- **Program Infrastructure Awards** – Funds center-based grants designed to immediately support the infrastructure necessary to administer early phase children’s cancer clinical trials. || **Deadline:** Internal: December 1, 2010 / External: December 15, 2010 || **Amount:** Up to \$125,000 per year for three years. || **Eligibility:** *Limited submission* – See below & full announcement. Program Infrastructure applications should be limited to one per institution each grant cycle. Applications should originate from outstanding pediatric cancer centers with a strong track record of participation in Phase 1 and 2 clinical trials. The PI of the grant should be a seasoned scientist with experience in conducting early phase clinical research studies. Funds will be granted to non-profit institutions or organizations operating in the U.S. or Canada; however, researchers need not be U.S. citizens.

Limited Submission: Please note this opportunity requires internal coordination since an institution may submit only one application. If you intend to apply, complete a limited submission form at <http://ozone.ohsu.edu/research/rda/funding/limsubform.php> before the internal deadline.

- **Young Investigator Awards** – Provides start-up funds for new scientists at the end of their fellowship training or early in their research careers. Demonstration of outstanding mentorship and demonstration of a career plan that shows commitment to pediatric cancer investigation are critical components of a successful application. || **Deadline:** December 15, 2010 || **Amount:** \$40,000 per year for two years. || **Eligibility:** MD or MD/PhD applicants must either be in an accredited fellowship program or within six years from the completion of a three-year fellowship program at the time the funding will start. PhD applicants must be within six years from the granting of the PhD at the time the funding will start (i.e. PhDs received in 2005 are eligible to apply for a 2011 grant.) Post-docs are encouraged to apply but must also be within the six year time frame. The applicant must not currently hold an independent NIH grant (R or P Award). Applicant may currently have a NIH K Award. A research mentor must be identified and the application must document his or her involvement in experimental design and execution.

American Association for the Advancement of Science (AAAS) – Science and Technology Policy Fellowship

Description: Provides a professional development opportunity to highly qualified individuals interested in learning about the science-policy interface while applying their scientific and technical knowledge and analytical skills to the federal policy realm.

Deadline: December 5, 2010

Amount: Not disclosed.

Eligibility: Applicants must hold a doctoral-level degree (PhD, MD, DVM, DSc, PharmD, or other terminal degrees), in any physical, biological, health/medical or behavioral/social science, any field of engineering, or any relevant interdisciplinary field (individuals with a master's degree in engineering and at least three years of post-degree professional experience also may apply). Applicants must be U.S. citizens.

Global Gateway Foundation – Scientific Research Competitive Grants Initiative

Description: Provides seed funding to investigators undertaking research in areas of interest to the Foundation (see below), with the understanding that applicants whose projects show promise will be encouraged to apply to third party funding agencies with more extensive research budgets. The Foundation's primary area of interest is in new technologies emerging in the field of health and healing, and in particular:

- Current and emerging "subtle energy" technologies that support greater physical, mental and spiritual integration;
- Application of new discoveries in the "hard sciences" (physics, mathematics, electronics, engineering, network modeling, biophysics, and materials science) to healing modalities;
- The underlying dynamics of energy-based health and wellness disciplines such as Network Spinal Analysis Care, Somato Respiratory Integration, traditional chiropractic care, acupuncture, Ayurvedic medicine, homeopathy, and similar approaches;
- How these dynamics may lead to new understandings and/or directions for basic research in (a) the hard sciences, and (b) the social sciences, such as organizational development, increased understanding of the integral and core nature of individuals, and reorganizational strategies that support greater personal and social integration and harmony; and
- Methods for evaluating the impacts and outcomes of these new understandings when applied to health and wellness, industrial applications, and society.

Deadline: Letter of intent: December 13, 2010 / Full application by invitation only.

Amount: \$2,500 to \$10,000

Eligibility: Applications will be considered from individuals and organizations with the appropriate experience and credentials to carry out a project as proposed.

[American Society for Clinical Oncology \(ASCO\) Foundation – Loan Repayment Program, funded by Susan G. Komen for the Cure](#)

Description: Provides repayment of qualifying educational loans to oncologists, or to oncology fellows upon completion of training, who commit to practicing oncology in a medically underserved region of the U.S.

Deadline: December 16, 2010

Amount: Up to \$35,000 per year for two years.

Eligibility: Applicants must be enrolled in or have completed an approved oncology fellowship training program in the U.S by July 1, 2011. Candidates must be U.S. citizens, U.S. nationals or permanent residents. Candidates must have a M.D., D.O. or equivalent medical doctoral degree from an accredited institution. An applicant must be an Associate or Active ASCO member or submit an ASCO membership application with the Loan Repayment Program application. See full announcement for additional eligibility information.

[Wallace H. Coulter Foundation – Translational Research in Biomedical Engineering](#)

Description: Provides funding for professors in established Biomedical Engineering Departments within the U.S. The award seeks to support biomedical research that is translational in nature, and to encourage and assist eligible biomedical engineering investigators to establish themselves in academic careers involving translational research. The translational research projects should be directed at promising technologies with the goal of progressing toward commercial development and entering clinical practice.

Deadline: Pre-application (required): December 30, 2010 / Full application: March 1, 2011

Amount: \$90,000 per year for two years.

Eligibility: Applicants must be full-time tenured or tenure-track faculty members with a primary, secondary or affiliated appointment in a Biomedical Engineering/Bioengineering Department in a U.S. university. Approval for the intellectual property and market review from the technology transfer office and validation of appointment by the Biomedical Engineering Department Chair are required.

[Global Probiotics Council – Young Investigator Grant for Probiotics Research](#)

Description: Provides funding to senior fellows or early faculty members who are interested in understanding the health benefits of probiotics and the relationship between probiotics, gastrointestinal microbiota and the body. The research focus for 2011 is on the role of probiotics and gastrointestinal microbiota in health and wellness. Objectives of the program are to: (1) stimulate innovative research relevant to the field of gastrointestinal microbiota, (2) impact academic and career development of young investigators in the U.S. and attract them into the field of probiotics and gastrointestinal microbiota, (3) provide preliminary data for future funding from NIH and other funding sources.

Deadline: February 15, 2011

Amount: \$50,000 for one year.

Eligibility: Young investigators who are senior fellows with a committed faculty appointment or early faculty members within a maximum of five consecutive years of their first faculty appointment in the U.S. may apply. Applicants are limited to one submission per investigator.

[Robert Wood Johnson Foundation \(RWJF\) – Clinical Scholars Program](#)

Description: A collaboration between RWJF and the U.S. Department of Veterans Affairs to foster the development of physicians who will lead the transformation of Americans' health and health care. These future leaders will conduct innovative research and work with communities, organizations, practitioners and policy-makers to address issues essential to the health and well-being of all Americans. The goal of the program is to integrate scholars' clinical expertise with training in program development and research methods to help them find solutions for the challenges posed by the U.S. health care system and the health of U.S. communities. The program offers master's degree graduate-level study and research in a university-based, post-residency training program. The Clinical Scholars program generally involves two years of study with generous protected time for research. Scholars train at one of the following participating institutions: the University of California, Los Angeles; the University of Michigan; the University of Pennsylvania; and Yale University. The U.S. Department of Veterans Affairs scholars also train at their affiliated Veterans Affairs medical centers.

Deadline: February 28, 2011

Amount: \$62,000 stipend per year for two years.

Eligibility: To be eligible, physicians must: be committed to a career in academic medicine, public health, health policy or another career congruent with the program's purposes and priorities of developing

physician leaders and skilled researchers; be highly regarded by those responsible for their clinical training; intend to complete the clinical requirements of their residency training by the date of entry into the program (except for surgeons); and be citizens or permanent residents of the U.S. or its territories. Both MDs and DOs are eligible to apply.

NIH Federal Opportunities

NEW NIH FORMATTING REQUIREMENTS ARE NOW IN EFFECT: A new version of the [application forms and instructions](#) are available. The new form and instructions must be used to apply for receipt dates on January 25, 2010 and beyond. For more information on how the application is being restructured, please visit http://enhancing-peer-review.nih.gov/restructured_applications.html.

[Fogarty International Research Collaboration – Behavioral and Social Sciences \(FIRCA-BSS\) Research Award \(R03\)](#) and [Fogarty International Research Collaboration – Basic Biomedical \(FIRCA-BB\) Research Award \(R03\)](#)

Description: Facilitates collaborative behavioral and social sciences research between scientists supported by the NIH and investigators in low- and middle-income countries (LMICs). Special consideration will be given to proposed research that addresses significant global health problems, particularly those of high relevance to a LMIC or region, and that includes research capacity building as a major aim of the proposed project.

Deadline: January 10, 2011, January 10, 2012, January 10, 2013

Amount: \$50,000 per year for up to three years.

Eligibility: The scientist who applies as the PI must either (1) be an NIH-funded Investigator or (2) have previously been the LMIC collaborator on an awarded FIRCA. See full announcement for additional information on eligibility.

[Indo-US Collaborative Program on Low-Cost Medical Devices \(R03\)](#)

Description: The purpose of this program is to encourage collaborative research and technology development between scientists and engineers in the U.S. and India. Specifically, the National Institute of Biomedical Imaging and Bioengineering (NIBIB) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) encourage Small Research Grant applications for a program on the collaborative development of low-cost medical devices. Research efforts should focus on how to develop new, low cost, appropriate diagnostic and therapeutic medical technologies for low-resource settings. Appropriate medical technologies are those that are useable, cost effective, sustainable, and effective in meeting a significant clinical need in a low-resource setting. Collaborations should be aimed at the development, translation and use of medical technologies that can significantly impact underserved populations within the U.S. or India. To facilitate the development of collaborations between US and Indian investigators, the NIBIB and Department of Biotechnology in India (DBT) have established an online networking group at LinkedIn.com:

http://www.linkedin.com/groups?home=&gid=2949818&trk=anet_ug_hm.

Deadline: January 26, 2011, May 24, 2011, September 23, 2011, January 24, 2012, May 24, 2012, September 24, 2012, January 24, 2013, May 24, 2013, September 24, 2013

Amount: \$75,000 per year for two years.

Eligibility: NIBIB will fund the dollar costs for meritorious applications from US investigators who can justify the need and viability of collaboration with an Indian collaborator. The rupee costs for conducting the Indian component of the research protocol will be covered by DBT.

[Integrative Neuroscience Initiative on Alcoholism Consortia \(INIA\) \(U01 / U24\)](#)

Description: Provides renewed support for two previously funded consortia under INIA by supporting the most scientifically meritorious projects (U01) and resource-related cores (U24). New research project and core project proposals from investigators not previously affiliated with INIA can also respond to this opportunity. Wherever possible, the proposals should take advantage of the infrastructure that was established in the previous funding periods of the INIAs.

Deadline: February 23, 2011

Amount: No more than \$5.1 million per year in Direct Costs may be requested in fiscal year 2011 for the first consortium (i.e., cluster of research component projects plus resource-related and administrative cores) and no more than \$3.4 million may be requested in fiscal year 2012 for the second consortium.

[Centers without Walls for Collaborative Research in the Epilepsies: Genetics and Genomics of Human Epilepsies \(U01\)](#)

Description: Encourages linked cooperative agreement applications from large, multidisciplinary groups of investigators to accelerate the rate of progress in identifying the genetic factors that contribute to epilepsy syndromes. It is expected that advances in understanding the genetic underpinnings of the epilepsies will enable more rapid translation of targeted clinical therapies and prevention strategies. Linked applications may include an administrative core, a genetics core, and specific scientific projects.

Deadline: March 11, 2011

Amount: Varies – See full announcement.

Eligibility: Because this program is intended to support collaborative projects conducted by multidisciplinary teams, it is expected that the Center project will be submitted as linked U01 applications. This arrangement provides each PI a unique cooperative agreement award, but the component U01 is a clearly integrated part of the overall multidisciplinary Center program. The Center must include at least one PI whose primary field of expertise is outside of the epilepsies but whose inclusion provides a significant, relevant contribution to the project. This requirement is intended to enrich the perspectives and methodologies brought to bear in addressing the challenge. In addition, multidisciplinary teams are encouraged to consider having an early-stage or new investigator lead a component of the project.

[Specialized Cooperative Centers Program in Reproduction and Infertility Research \(U54\)](#)

Description: The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) provides funding for a limited number of research centers in the reproductive sciences. This opportunity announces the re-competition of the Specialized Cooperative Centers Program in Reproduction and Infertility Research (SCCPIR). These centers provide an arena for multidisciplinary interactions between basic and clinical scientists interested in establishing high quality translational research programs in the area of reproduction and infertility. The centers also serve as national resources for the training and career development of new scientists electing to pursue careers conducting translational research in high priority areas of reproduction and infertility. Finally, center investigators are expected to participate in important community outreach and education efforts to increase awareness and convey the importance and implications of their research activities to the general public.

Deadline: May 26, 2011

Amount: Up to \$1.4 million per year for five years.

[Preclinical Research on Model Organisms to Predict Treatment Outcomes for Disorders Associated with Intellectual and Developmental Disabilities \(R01\)](#)

Description: The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), the National Institute of Mental Health (NIMH), and the National Institute of Neurological Disorders and Stroke (NINDS) seek applications from institutions addressing preclinical research in model organisms of neurodevelopmental disorders. Applications should propose to develop, validate, or calibrate outcome measures, surrogate markers, and biomarkers in model organisms that can inform and effectively translate to human clinical trials for individuals with intellectual and developmental disabilities. In addition, applications may propose to conduct rigorous, controlled and standardized preclinical animal trials designed for safety, toxicity, and efficacy prediction or to perform an independent validation of efficacy in animals prior to human clinical trials. The goal of this opportunity is to accelerate and improve the preclinical testing of candidate treatments and therapeutic compounds in order to move promising new drug therapies into clinical trials.

Deadline: Standard dates apply – See full announcement.

Amount: Varies – See full announcement.

[Outcome Measures for Use in Treatment Trials for Individuals with Intellectual and Developmental Disabilities \(R01\)](#)

Description: The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), the National Institute of Mental Health (NIMH), and the National Institute of Neurological Disorders and Stroke (NINDS) seek applications from institutions that propose to develop, validate, and/or calibrate informative outcome measures for use in clinical trials for individuals with intellectual and developmental disabilities. This funding opportunity will address a significant need in the field, one that is especially apparent in efforts to develop pharmacological treatments for these populations. It will focus

ongoing clinical and translational research on a neglected area essential for therapy and pharmacological treatment development.

Deadline: Standard dates apply – See full announcement.

Amount: Varies – See full announcement.

Understanding and Treating Co-Morbid Conditions in Adolescents with Intellectual and Developmental Disabilities ([R01](#) / [R03](#) / [R21](#))

Description: The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) encourages research project grant applications from institutions/organizations that propose to focus investigator-initiated research upon the factors that impact functioning and quality of life in individuals with intellectual and developmental disabilities (e.g. those with inborn errors of metabolism or other genetic syndromes, such as Down syndrome, Rett syndrome, Autism Spectrum Disorders, Fragile X syndrome, Williams syndrome, Prader-Willi syndrome, Angelman syndrome, etc.) during adolescence. The scope of the opportunity would broadly include biomedical, educational, social, psychosocial, and psychiatric issues in adolescents with intellectual and developmental disabilities. Applications from investigators experienced in studies of adolescents with intellectual and developmental disabilities are particularly encouraged.

Deadline: Standard dates apply – See full announcement.

Amount: Varies – See full announcements.

[National Institute of Diabetes and Digestive and Kidney Diseases \(NIDDK\) Program Project Applications \(P01\)](#)

Description: Invites submission of investigator-initiated program project applications. The proposed programs should address scientific areas relevant to the NIDDK mission including diabetes; endocrine and metabolic diseases; digestive diseases and nutrition; and kidney, urologic and hematologic diseases. Additionally, this opportunity includes new approaches to prevent, treat, and cure these diseases, including clinical research. A description of NIDDK scientific program areas can be found at <http://www2.niddk.nih.gov/Funding/default.htm>.

Deadline: Standard dates apply – See full announcement.

Amount: Varies – See full announcement.

Non-NIH Federal Opportunities

[Centers for Disease Control and Prevention \(CDC\) – Pilot Longitudinal Data Collection to Inform Public Health: Fragile X Syndrome Grant](#)

Description: Solicits proposals to support a Consortium with two primary objectives: 1) promote longitudinal data collection from fragile X clinical centers, and 2) support a comprehensive data management and analysis center. Patient, parent, clinician, and laboratory reported data will be collected, analyzed, and disseminated to increase knowledge about the impact of fragile X syndrome across the lifespan.

Deadline: Internal: December 10, 2010 / External: January 18, 2011

Amount: \$550,000 per year for four years.

Eligibility: *Limited submission* – See below & full announcement. Only one application per institution is allowed. Applicants must demonstrate access to at least 500 people with fragile X syndrome through any number of clinics. Participating clinics must have a minimum of 30 patients with fragile X syndrome. Evidence of clinic participation must be provided in a letter of support from each consortium partner ensuring that they have access to at least 30 patients with fragile X syndrome.

Limited Submission: *Please note this opportunity requires internal coordination since an institution may submit only one application. If you intend to apply, complete a limited submission form at <http://ozone.ohsu.edu/research/rda/funding/lmsubform.php> before the internal deadline.*

[Centers for Disease Control and Prevention \(CDC\) – Centers for Autism and Developmental Disabilities Research and Epidemiology \(CADDRE\): Study to Explore Early Development \(SEED\) II \(U01\) Grant](#)

Description: The purpose of this program is to support: (1) continuation of the epidemiological research capability of the Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE); with implementation of the Study to Explore Early Development (SEED) Phase II; and (2) continuation of the SEED Central Laboratory and Biosample Repository with implementation of reporting

for SEED Phase II. CADDRE is a collaborative effort between The National Center on Birth Defects and Developmental Disabilities and the funded sites. The primary CADDRE collaborative activity is SEED, a case-control study of genetic and environmental risk factors for autism with multiple-source, population-based ascertainment of case and control groups.

Deadline: January 18, 2011

Amount: Varies – See full announcement.

Eligibility: Complex eligibility requirements apply – See full announcement.

Department of Defense (DoD)/Environmental Security Technology Certification Program (ESTCP) – Technologies for Treatment of Perchlorate-Contaminated Groundwater for Drinking Water

Description: Proposals are requested to demonstrate and validate technologies to improve the treatment and monitoring of perchlorate in large-scale water treatment operations for public water supply.

Technologies proposed must be ready for demonstration and validation in the field. Laboratory or bench-scale work will not be considered, except in the case where brief site-specific treatability studies are warranted. The proposed technology demonstration should lead to a robust, cost-effective treatment technology as demonstrated by the projected life cycle cost of the technology, including installation, operation, maintenance, and waste disposal. The effort should also provide sufficient information to predict the practicability and cost of the proposed technology under full-scale implementation.

Deadline: Pre-proposals: January 20, 2011 / Full proposals by invitation only.

Amount: See full announcement.

Eligibility: Researchers from federal organizations, universities, and private industry can apply for ESTCP funding.

National Science Foundation (NSF) – Dynamical Systems

Description: Supports innovative research on the theories of dynamical systems, including new analytical and computational tools, as well as the novel application of dynamical systems to engineered systems. The program is especially interested in transformative research in the area of complex systems, uncertain or stochastic nonlinear dynamical systems, model order reduction of nonlinear or infinite dimensional dynamical systems, discrete nonlinear dynamical systems, and modeling, simulation, analysis and design of multi-scale multi-physics dynamical systems.

Deadline: February 15, 2011

Amount: See full announcement.

Eligibility: Standard NSF eligibility requirements apply.

National Science Foundation (NSF) – Collaborative Research in Computational Neuroscience

Description: Through this program, participating institutions—including the National Science Foundation (NSF), the National Institutes of Health (NIH), and the German Federal Ministry of Education and Research—will support collaborative activities that will advance the understanding of nervous system structure and function, mechanisms underlying nervous system disorders, and computational strategies used by the nervous system. Three classes of proposals will be considered:

- **Research Proposals** describing collaborative research projects;
- **U.S.-German Research Proposals** describing international collaborative research projects to be funded in parallel by U.S. and German agencies; and
- **Data Sharing Proposals** to enable sharing of data and other resources.

Deadline: February 16, 2011; November 2, 2011; November 2, 2012

Amount: Varies – Approximately \$100,000 to \$250,000 per year in direct costs, with durations of three to five years.

Eligibility: An investigator may participate as PI or Co-PI in no more than one class of proposal (i.e. research proposal or data sharing proposal) per review cycle.

National Science Foundation (NSF) – Catalyzing New International Collaborations Grant

Description: Supports U.S. participation in a variety of different types of activities intended to catalyze new international collaborations. These include, but are not limited to: planning visits, small workshops, initial data gathering activities, and the development of research coordination networks. The community is invited to propose innovative mechanisms and strategies for catalyzing new international collaborations to the stage that competitive research and education proposals can be submitted to relevant NSF

programs for on-going support of the project. Any well-justified activity that fulfills the goals of the program will be considered. Creative use of technology in promoting international collaboration is encouraged.

Deadline: March 1, 2011; September 1, 2011; March 1 and September 1 annually thereafter

Amount: Ranges from \$10,000 to \$100,000 depending on activities proposed.

Eligibility: Only one proposal may be submitted per PI per deadline.