

## WEEKLY FUNDING ALERTS Week of 08.20.09

### Featured Funding Opportunity

#### [Life Sciences Research Foundation \(LSRF\) - Postdoctoral Research Fellowships](#)

**Description:** For fellowships across the spectrum of the life sciences: biochemistry; cell, developmental, molecular, plant, structural, organismic population and evolutionary biology; endocrinology; immunology; microbiology; neurobiology; physiology; virology.

**Deadline:** October 1, 2009 (*Submissions will open September 10, 2009*).

**Amount:** Varies – See full announcement.

**Eligibility:** M.D., Ph.D., D.V.M. or D.D.S. degrees. Persons doing a second postdoc are eligible only if they are transferring to a different supervisor's laboratory and embarking on a new project not connected to their previous research. This fellowship cannot be used to support research that has any patent commitment or other kind of agreement with a commercial profit-making company. A person holding a faculty appointment is not eligible to apply for an LSRF fellowship. See full announcement for further details.

### 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 at <http://ozone.ohsu.edu/research/rda/funding/clearance.shtml#foundation>.*

#### [The American Thoracic Society \(ATS\)- Tobacco-Dependence Research Fund Grants](#)

**Description:** Targeted to research in basic science, genetics, neurogenetics, pharmacology, neuropharmacology, and clinical intervention and treatment in the area of tobacco dependence. Preference will be given to projects that, because of their novelty, require bridge funding before becoming competitive for other funding mechanisms. A primary goal of the ATS Research Program is to enable new faculty-level investigators to make the transition to careers as established investigators. Partnerships between junior and senior investigators are strongly encouraged, particularly for new investigators who are within 1 to 5 years of the completion of their training.

**Deadline:** September 1, 2009

**Amount:** \$50,000/year for 2 years

**Eligibility:** Both US and non-US based investigators are encouraged to apply. At least one of the investigators must be an ATS member at the time of application, and the principal investigator must be an ATS member at the time that the grant is awarded. Each applicant may only submit one full grant application for the ATS Foundation Tobacco-Dependence Research Fund Grants.

#### [Tourette Syndrome Association - Research Grants & Postdoctoral Fellowships](#)

**Description:** Program interests include any research study that has the potential to contribute to the understanding of Tourette Syndrome, including genetics, pathogenesis, pathophysiology, clinical studies and animal model development.

- **Research Grants – Amount:** Up to \$75,000 for one year.
- **Postdoctoral Fellowships – Amount:** Up to \$40,000 for one year.

**Deadline:** Letter of Intent (required): October 1, 2009 / Full application: November 23, 2009

**Amount:** Varies per opportunity - See above & full announcement.

**Eligibility:** Candidates must have a M.D., Ph.D. or equivalent. Previous experience in the field of movement disorders is desirable, but not essential. Applicants may reside outside the United States.

### [Skin Cancer Foundation Research](#)

**Description:** For support of pilot research projects related to skin cancer which, if successful, can be developed to the point where they are eligible for larger grants from other sources. The Foundation funds basic research and clinical studies which address improved methods of prevention, detection, and treatment of skin cancer. Researchers are invited to submit applications for one-year projects.

**Deadline:** October 1, 2009

**Amount:** One year projects up to \$10,000

**Eligibility:** Research must be conducted at institutions within the U.S.

### [American Society of Colon & Rectal Surgeons \(ASCRS\) – Multiple Opportunities](#)

- **Ethicon Endo-Surgery, Inc. Research Grant in Innovative Surgical Technologies** -To promote and underwrite objective investigative projects that evaluate innovative surgical techniques, procedures and instruments including surgical training processes and associated clinical outcomes. || **Amount:** \$25,000 per year. || **Eligibility:** PI or Co-PI must be a member of the ASCRS. A Fellow of the ASCRS must be a Co-PI or provide a letter of support for the PI. Project must be investigator initiated, hypothesis driven. Project must be performed in the United States or Canada.
- **Career Development Award** - To provide young staff support for initiating and development of academic careers in the field of diseases of the colon, rectum and anus. || **Amount:** \$75,000 per year for two years. || **Eligibility:** For ASCRS members only. Applicants must be within 5 years of first full-time faculty appointment in a US or Canadian government, public or private not-for-profit medical institution. Be a US or Canadian citizen having completed an approved colorectal surgery training program; if foreign national, then must have valid working visa at time of application for colorectal department/institution where work is proposed. Three letters of recommendation and support must be provided, see full announcement for details.
- **Clinical Studies on Benign Colorectal Disorders** - To foster outstanding research in specific areas of colorectal diseases or disorders leading to the improvement and management of common, yet understudied colorectal problems. || **Amount:** \$50,000 per year for two years. || **Eligibility:** The proposed research must be hypothesis-driven and investigator-initiated. The proposed research must be conducted within the United States or Canada. ASCRS member must be the Principal Investigator or a Co-Principal Investigator.

**Deadline:** Letter of Intent (required): October 1, 2009 / Full application: Invitation only.

**Amount:** Varies per opportunity – See above & full announcements.

**Eligibility:** Varies per opportunity – See above & full announcements.

### [The Alzheimer's Drug Discovery Foundation – Novel Approaches to Drug Discovery for Alzheimer's Disease](#)

**Description:** To catalyze and accelerate the discovery and development of innovative and effective treatments for Alzheimer's disease. The program will fund high throughput screening of novel targets to identify hits and leads, lead validation and optimization through medicinal chemistry, and pre-clinical in-vitro and in-vivo evaluation, including pharmacology, toxicology, pharmacokinetics, formulation chemistry and the conduct of pre-clinical "proof of concept" studies.

**Deadline:** Letter of intent (required): October 1, 2009 / Full proposal: Invitation only.

**Amount:** Not specified.

**Eligibility:** Principal Investigator must hold an MD or PhD degree.

### [Amyotrophic Lateral Sclerosis & American Academy of Neurology Foundation - Clinician-Scientist Development Award](#)

**Description:** This award, from the Amyotrophic Lateral Sclerosis (ALS) Association and the American Academy of Neurology Foundation, seeks to recognize the importance of good clinical research and encourage young investigators in clinical studies. Funding is to support research into drug discovery and development of therapies that will effectively treat ALS.

**Deadline:** October 1, 2009

**Amount:** Annual salary of \$75,000 (three years), plus a \$5,000 institutional award.

**Eligibility:** Applicants must be a neurologist interested in an academic career in clinical research.

Applicants must hold an M.D., D.O., or equivalent degree from an accredited institution, and be licensed

to practice medicine in the United States. Applicants must have completed residency training but be less than seven years from completion of residency when funding begins.

#### **Grammy Foundation Grants - Scientific Research**

**Description:** Support efforts that advance the research and/or broad reaching implementations of original scientific research projects related to the impact of music on the human condition, such as the links between music study and early childhood development, the effects of music therapy and the medical and occupational well being of music professionals.

**Deadline:** October 1, 2009

**Amount:** Up to \$20,000

**Eligibility:** For organizations and individuals to support efforts that advance research and implementation of original scientific research projects.

#### **American Psychiatric Association – APIRE/Lilly Psychiatric Research Fellowship**

**Description:** For two post-graduate psychiatry trainees specifically to focus on research and personal scholarship. Minimal time (less than 15%) will be devoted to teaching, patient care, consultation, or other duties. The protection of time for research should be assured by the department chairman.

**Deadline:** October 14, 2009

**Amount:** \$45,000

**Eligibility:** *Limited submission at the Department Level* - See below & full announcement. Individuals who have received their M.D. or D.O. degree and who have completed residency training in general psychiatry or child psychiatry immediately prior to the time the fellowship commences. The Fellowship is designed for residents who a) demonstrate significant research potential, b) have not had extensive research training prior to residency, and c) are not already established investigators. The individuals must also be members of the APA.

**Limited Submission at the Department Level:** *Please note this opportunity requires internal coordination since the Department of Psychiatry 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.*

#### **Dermatology Research Awards – Multiple Proposals Requested**

- **Physician Scientist Career Development Award-** Supports the academic career of a physician scientist who is devoted to clinical dermatology, and assists in the transition from fellowship to established investigator. This award is intended for the academic investigator demonstrating significant creativity in clinically relevant research. || **Amount:** \$55,000 for up to three years. || **Eligibility:** M.D.; M.D., Ph.D.; or D.O. degree; Completed training in a U.S. dermatology residency program; Junior faculty member in a department or division of dermatology, through an Assistant Professor level, at the time of funding; Under the mentorship of a medical dermatologist; Strong institutional commitment for the individual's career development; Not available to an individual receiving simultaneous salary support from other granting agencies. *\*\*Department of Dermatology may submit one application.*
- **Clinical Career Development Award in Dermatologic Surgery-** Supports research projects that will further the practice of dermatologic surgery, and develop the teaching, research and leadership careers of dermatologic surgeons. Priority will be given to new applications from institutions that do not currently have a recipient of this award. The mentor and environment are critical ingredients of successful applications. || **Amount:** \$55,000 || **Eligibility:** M.D.; M.D., Ph.D.; or D.O. degree; Completed at least one-year post-residency surgical training in the U.S. at the time of funding; Junior faculty member in a department or division of dermatology, through an Assistant Professor level, at the time of funding; Strong institutional commitment for the individual's career development; Not available to an individual receiving simultaneous salary support from other granting agencies. *\*\*Department of Dermatology may submit one application.*
- **Clinical Career Development Award in Health Care Policy-** Supports the establishment and development of health policy careers for dermatologists. Health policy research includes outcome studies, information system development, and evaluation of methods for delivery and practice of population-based dermatology. The environment of the candidate, the quality of project, and the ability of the project to clarify the place of dermatologic practice in the changing health care

environment will be the primary criteria used to select an award recipient. || **Amount:** \$55,000 for up to three years. || **Eligibility:** M.D.; M.D., Ph.D.; or D.O. degree; Completed training in a U.S. dermatology residency program; Junior faculty member in a department or division of dermatology, through an; Assistant Professor level, at the time of funding; Under the mentorship of a medical dermatologist; Strong institutional commitment for the individual's career development; Not available to an individual receiving simultaneous salary support from other granting agencies. *\*\*Department of Dermatology may submit one application.*

- **Medical Dermatology Career Development Award-** For future intellectual leaders, educators, and clinical scholars in that aspect of the specialty that addresses severe dermatologic disease. The award fosters the careers of young dermatologists who will become the future role models and mentors for physicians diagnosing and treating complex skin disease. || **Amount:** \$55,000 for up to three years. || **Eligibility:** M.D.; M.D., Ph.D.; or D.O. degree; Completed training in a U.S. dermatology residency program; Junior faculty member in a department or division of dermatology, through an; Assistant Professor level, at the time of funding; Under the mentorship of a medical dermatologist; Strong institutional commitment for the individual's career development; Not available to an individual receiving simultaneous salary support from other granting agencies. *\*\*Department of Dermatology may submit one application.*
- **Research Career Development Award-** Assists an individual in the transition from fellowship to established investigator. It provides career development support in skin research for a junior investigator. || **Amount:** \$55,000 for up to three years. || **Eligibility:** M.D.; M.D., Ph.D.; or D.O. degree; Completed training in a U.S. dermatology residency program; Junior faculty member in a department or division of dermatology, through an; Assistant Professor level, at the time of funding; Under the mentorship of a medical dermatologist; Strong institutional commitment for the individual's career development; Not available to an individual receiving simultaneous salary support from other granting agencies. *\*\*Department of Dermatology may submit one application.*
- **Dermatologist Investigator Research Fellowship-** Supports dermatologists who desire research training and have a commitment to an academic career in medical and surgical dermatology. Consideration will also be given to individuals with substantial training in other areas who are entering into skin research. Applicants may not apply simultaneously for this award and a Foundation grant. || **Amount:** \$30,000 || **Eligibility:** Applicants must: have M.D.; M.D., Ph.D.; or D.O. degree; Completed training in a 3-year U.S dermatology residency program or completed one year of 4-year U.S. dermatology residency program and will be in lab or research year during award period; Only receive simultaneous salary support from department funds, NIH training grant, mentor's R01/P01 grant, and other granting agency providing support equivalent to a training grant; devote 75% of time to cutaneous research. Mentor must have an academic appointment in dermatology or another program at the sponsoring institution that is approved by the dermatology chair. Assistant Professor or above is not eligible. *\*\*Department of Dermatology may submit two applications.*
- **Fellowship in Pediatric Dermatology-** Fosters the development of clinical scholars in pediatric dermatology that will advance the field through patient care, research and teaching. The successful candidate must demonstrate a record of academic interest through publication and/or research. Recipients may apply for a second year of funding on a competitive basis. || **Amount:** \$45,000. *\*\*Department of Dermatology may submit one application.*
- **Patient Directed Investigation Grant-** Support medical and surgical dermatologic studies that have the potential to directly benefit patients. Funding is intended to enhance the career development of clinical investigators in the early stages of career development. It is the expectation that the recipients of this award will be the future clinical leaders in dermatology, helping to shape the future of the specialty. Recipients may apply for a second year of funding on a competitive basis. || **Amount:** \$20,000 || **Eligibility:** Applicants must have M.D.; Ph.D.; M.D., Ph.D.; or D.O. degree; Dermatologist or pathologist who will have completed a dermatopathology fellowship in a division or department of dermatology, pathology or dermatopathology at the time of funding, and is attempting to embark on a research career. Research proposals may include bench research, classical epidemiology, outcomes analysis or other approaches and should be clearly related to advancing the field of dermatopathology; Investigator in the early stages of career development; Project not funded from other sources. *\*\*Department of Dermatology may submit one application.*

- **Dermatopathology Research Grant-** Provide financial support for research projects in dermatology and cutaneous biology that benefit the dermatology community at large. || **Amount:** \$20,000. || **Eligibility:** Applicants must have M.D.; Ph.D.; M.D., Ph.D.; or D.O. degree; Dermatologist or pathologist who will have completed a dermatopathology fellowship in a division or department of dermatology, pathology or dermatopathology at the time of funding, and is attempting to embark on a research career. Research proposals may include bench research, classical epidemiology, outcomes analysis or other approaches and should be clearly related to advancing the field of dermatopathology; Investigator in the early stages of career development; Project not funded from other sources. **\*\*Department of Dermatology may submit one application.**
- **Program Development Grant-** Provides funding to support the development of the scientific infrastructure in a dermatology division which has not successfully competed for Foundation funding during the last five years. Unlike other Foundation awards, this grant is available to the chair, chief or research director of a department or division of dermatology. The award has a oneyear term and offers up to \$10,000 in infrastructure support. Funds may be used (but are not limited) to: acquire critical research equipment; stimulate a promising pilot project; facilitate travel of accomplished scientists to the department; support visits by young potential investigators to established programs at other institutions. || **Amount:** \$10,000 || **Eligibility:** Applicant must be the chair, chief or research director of the department/division of dermatology; Dermatology department/division is accredited for residency training in the U.S.; Department/division has not successfully competed for funding from the Foundation during the past five years; Project not funded from other sources. **\*\*Department of Dermatology may submit one application.**
- **Science of Human Appearance Career Development Award** - Provides salary support for the career development of individuals who wish to understand the cell and molecular mechanisms of altered human appearance or of therapeutic interventions. Funding is available for research involving the cell and molecular mechanisms of altered human appearance including those mechanisms involved in hyper or hypo-pigmentation, aging, photoaging, dry skin, excessive/deficient hair and other human appearance disorders. Funding can also be used to study cell and molecular mechanisms involved in therapeutic interventions such as non/minimally-invasive devices, peels, fillers, antioxidants, retinoids, other topical and systemic agents. || **Amount:** \$55,000 for up to three years. || **Eligibility:** M.D.; M.D., Ph.D.; or D.O. degree; Completed training in a U.S. dermatology residency program; Junior faculty member in a department or division of dermatology, through an; Assistant Professor level, at the time of funding; Under the mentorship of a medical dermatologist; Strong institutional commitment for the individual's career development; NOT available to an individual receiving simultaneous salary support from other granting agencies. **\*\*Department of Dermatology may submit one application.**

**Deadline:** October 15, 2009

**Amount:** Varies per opportunity – See above & full announcements

**Eligibility:** **Limited submission at the Department Level**, Varies per opportunity – See above & full announcements.

**Limited Submission at the Department Level:** *Please note these opportunities require internal coordination since only the Department of Dermatology can only sponsor a limited number of applicants per award (\*\*see above & full announcement). If you intend to apply, please contact the department/division head or chair.*

#### **American Health Assistance Foundation (AHAf) – Alzheimer's Disease Research Opportunities**

- **Standard Awards** - Provides significant funding for researchers who have already generated some amount of preliminary data, but still require significant progress before they can apply to governmental agencies. || **Amount:** \$400,000 total for 3 years. || **Eligibility:** The Principal Investigator (P.I.) must be an academic rank equivalent or higher than Assistant Professor. The applicant must be permitted by the applicant's organization to petition for and receive research grant support and must be permitted to supervise any additional personnel named in the application.
- **Pilot Awards** - To take a highly innovative proposal with modest preliminary data and give investigators the opportunity to prove their ideas. These awards are typically described as being "high risk – high reward". They are often given to investigators who need funding to demonstrate the validity of a very focused hypothesis. || **Amount:** \$150,000 total for 2 years. || **Eligibility:** The

Principal Investigator (P.I.) must be an academic rank equivalent or higher than Assistant Professor.

- **Postdoctoral Fellowship Awards** - Intended for young researchers in their final stages of mentored training. These awards are meant to fund projects in an established laboratory that will serve as the basis for the applicant's own independent research career. || **Amount:** \$100,000 total for 2 years. || **Eligibility:** Research fellowships are available to junior and senior postdoctoral fellows. The proposal should be initiated by the postdoctoral fellow and not the supervisor. In the event that a senior postdoctoral fellow becomes an independent investigator during the duration of the award, the balance of the award may be transferred to the new position at the discretion of the American Health Assistance Foundation. AHAF accepts the NIH/NSF definition of a Postdoctoral Research Fellow emphasizing the mentored training component of the position.

**Deadline:** October 19, 2009

**Amount:** Varies – See above & full announcement.

**Eligibility:** *Limited submission at the Department Level* - See below & full announcement.

Requirements vary per opportunity – See above & full announcement.

**Limited Submission at the Department Level:** *Please note these opportunities require internal coordination since only one investigator per lab may hold funding from AHAF for each opportunity. If you intend to apply, please contact your department/division head or chair.*

#### **American Health Assistance Foundation (AHAF) – National Glaucoma Research Standard Awards**

**Description:** Provides significant funding for researchers who have already generated some amount of preliminary data, but often still require significant progress before they can apply to governmental or industrial funding agencies.

**Deadline:** October 23, 2009

**Amount:** \$100,000 total for two years.

**Eligibility:** *Limited submission at the Department Level* - See below & full announcement. The Principal Investigator (P.I.) must be an independent researcher at a non-profit research institution and hold an academic rank equivalent or higher than Assistant Professor. The applicant must be permitted by the applicant's organization to petition for and receive research grant support and must be permitted to supervise any additional personnel named in the application. A single post doctoral fellow may be listed as a Co-Principal Investigator on a Macular Degeneration Research proposal as long as the post doctoral fellow remains under the mentorship and direct supervision of the named Principal Investigator. This Co-Principal Investigator may not be the successor of any award resulting from the proposal without approval from the AHAF Board of Directors. Post doctoral fellows should not be named as Co-PI on AHAF Alzheimer's Disease Research awards, but should instead apply for the ADR Post Doctoral fellowship.

**Limited Submission at the Department Level:** *Please note this opportunity requires internal coordination since only one investigator per lab may hold funding from AHAF for this opportunity. If you intend to apply, please contact your department/division head or chair.*

#### **Dr. Ernest J. Ring Academic Development Grant**

**Description:** Designed to provide support to junior interventional radiology faculty members early in their academic careers to allow time for the conduct of research. The goal of this grant is to have the recipient subsequently obtain additional funding from other peer-reviewed sources (e.g. National Institutes of Health (NIH) grants).

**Deadline:** Internal: October 23, 2009 / External: December , 2009

**Amount:** \$50,000 per year for two years.

**Eligibility:** *Limited submission* - See below & full announcement. Grants available to full-time interventional radiology faculty and trainees with a M.D., D.O., Ph.D., or equivalent degree in educational institutions within the United States and Canada.

**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.*

### [Gerber Foundation – Multiple Opportunities for Pediatric Research](#)

**Description:** To enhance the quality of life of infants and young children in nutrition, care, and development. Priority is given to projects whose primary beneficiaries are young children from birth to three years of age.

- **Pediatric Health Grant:** Promoting health and preventing disease. Projects are geared toward applied research that will reduce the incidence of serious neonatal and early childhood illnesses, or improve cognitive, social and emotional aspects of development.
- **Pediatric Nutrition Grant:** Assuring adequate nutrition for infants and young children.
- **Nutrient Competitors Grant:** Evaluate the effects of environmental hazards on infants and young children.

**Deadline:** Letter of intent (required): December 1, 2009 / Full application: (invitation only) February 15, 2009

**Amount:** Up to \$50,000 for 1 year.

**Eligibility:** Organizations recognized as tax-exempt under *Internal Revenue Code 501(c)(3)* are eligible to apply for Foundation grants. Public governmental institutions such as universities are included in this definition. With few exceptions, only organizations with principal operations in the United States and its territories are eligible for funding. Within the United States, there is no geographic limitation to the Foundation's grant making.

## NIH Federal Opportunities

### [Specialized Programs of Translational Research in Acute Stroke \(SPOTRIAS\) for Year 2009 \(P50\)](#)

**Description:** To support a collaboration of clinical researchers from different specialties whose collective efforts will lead to new approaches to early diagnosis and treatment of acute stroke patients. The goal of the SPOTRIAS will be to reduce the disability of and mortality in stroke patients by promoting rapid diagnosis and effective interventions.

**Deadline:** October 1, 2009

**Amount:** Varies – See full announcement.

**Eligibility:** Only one PD/PI may be designated on the application.

### [Research to Understand and Inform Interventions that Promote the Research Careers of Students in Biomedical and Behavioral Sciences \(R01\)](#)

**Description:** To test assumptions and hypotheses regarding social and behavioral factors with the aim of advising and guiding the design of potential interventions intended to increase interest, motivation and preparedness for careers in biomedical and behavioral research. This opportunity is particularly interested in those interventions that are specifically designed to increase the number of students from underrepresented groups entering careers in these disciplines. The proposed research need not be restricted to underrepresented minority students. Comparative research that analyzes the experience of all groups in order to place that of underrepresented students in context and to learn whether and how interventions should be tailored to make more underrepresented students successful in biomedical careers may well be particularly illuminating and is, therefore, encouraged.

**Deadline:** October 22, 2009

**Amount:** \$250,000 (direct costs) per year for up to four years.

### [Cooperative Research Partnerships to Promote Workforce Diversity in the Reproductive Sciences \(U01\)](#)

**Description:** Facilitates research partnerships between faculty at minority-serving institutions (MSIs) and faculty at academic institutions with established reproductive science research programs to form the new Cooperative Research Partnerships to Promote Workforce Diversity in the Reproductive Sciences (CPDR).

**Deadline:** November 17, 2009

**Amount:** \$400,000 in direct costs per year for up to five years.

**Eligibility:** This opportunity requires the involvement of multiple-PIs from two institutions, one of whom must have a full-time faculty appointment at one of the following: Hispanic-serving Institutions,

Historically Black Colleges and Universities (HBCU), Tribally Controlled Colleges and Universities (TCCU), or Alaska Native and Native Hawaiian Serving Institutions. The partnering PD/PI must hold a full-time faculty position at an institution with an established program in reproductive science or medicine. Multiple-PIs may also be selected within each partnering institution. However, only one PD/PI from each institution should be designated as the contact PI. Partnering investigators will also be responsible for providing CPDR-related research experiences to a diverse cadre of undergraduate students.

#### **Transforming Primary Care Practice (R18)**

**Description:** To validate that healthcare quality, as reflected in quantifiable changes in process and outcome measures, has in fact improved subsequent to practice transformation into a patient-centered medical home. Investigators will then study in detail how the transformation occurred and its impact on costs of care and actual patient and provider experiences/satisfaction. In addition, investigators will study the organizational and contextual factors within practices that have influenced the success of these efforts. The sponsoring agency is interested in research that will identify, describe and disseminate the best methods for transforming the structure, characteristics and function of primary care so that practices can improve quality, reduce costs, and better satisfy the needs of patients and families.

**Deadline:** November 18, 2009

**Amount:** \$300,000 per year for the project period, which may be one to two years.

#### **The Role of Human-Animal Interaction in Child Health and Development (R01 & R03)**

**Description:** To build an empirical research base on how children perceive, relate to and think about animals; how pets in the home impact children's social and emotional development and health (e.g. allergies, the immune system, asthma, mitigation of obesity); and whether and under what conditions therapeutic uses of animals is safe and effective.

**Deadline:** November 19, 2009

**Amount:** Varies per funding mechanism – See full announcement.

#### **Pilot Studies for Studying the Mechanisms of Improvement in Type 2 Diabetes and Cardiovascular Risk Factors or in Cardiovascular, Lung, or Sleep Diseases after Bariatric Surgery (R01)**

**Description:** To determine the optimal research design as well as collect pilot data on feasibility and implementation for a randomized clinical trial of the effects of bariatric surgery on type 2 diabetes and cardiovascular risk factors in people with type 2 diabetes or in cardiovascular, lung and sleep diseases in people. All studies should focus on subjects with a BMI of 30 to 40.

**Deadline:** November 19, 2009

**Amount:** Up to \$400,000 per year for up to three years.

#### **Beta Cell Biology Consortium (U01)**

**Description:** To facilitate research in the following areas: 1) use cues from pancreatic development to directly differentiate pancreatic beta cells and islets from stem/progenitor cells for use in cell-replacement therapies for diabetes; 2) determine how to stimulate beta cell regeneration in the adult pancreas as a basis for improving beta cell mass in diabetic patients; 3) determine how to reprogram progenitor/adult cells into pancreatic beta-cells both in-vitro and in-vivo as a mean for developing cell-replacement therapies for diabetes; and 4) investigate the progression of human type-1 diabetes using patient-derived cells and tissues transplanted in humanized mouse models.

**Deadline:** November 23, 2009

**Amount:** Varies – See full announcement.

#### **Immunobiology of Xenotransplantation (U01, U19)**

**Description:** To participate in the Immunobiology of Xenotransplantation Cooperative Research Program (IXCRP) for the development of pre-clinical porcine to non-human primate (NHP) models of islet, kidney, heart, lung, or liver xenotransplantation. The goals of this program are to: (1) delineate the cellular and molecular mechanisms of xenograft rejection and the induction of tolerance; (2) develop effective strategies to improve xenograft survival; and (3) characterize the physiological compatibility/limitations of xenografts. The long-term goal of this program is to develop novel and

effective strategies for application of xenotransplantation in the clinic.

**Deadline:** December 2, 2009

**Amount:** Varies – See full announcement.

#### **Initiative to Maximize Research Education in Genomics (R25)**

**Description:** This funding opportunity supports two types of activities: (1) short, advanced level courses that are intended to disseminate new laboratory techniques, methods, analyses related to the mission of the National Human Genome Research Institute (NHGRI) and (2) research education and training initiatives that are linked to specific NHGRI research initiatives, such as Centers of Excellence in Genomic Science (CEGS) and large-scale sequencing and database grants.

**Deadline:** Internal: December 4, 2009 / Agency (Standard dates apply)/ Next deadline: January 25, 2010

**Amount:** Varies – See full announcement.

**Eligibility:** *Limited Submission* – See below & full announcement. For courses, applicants may submit more than one course application, provided each application is scientifically distinct. For research education and training initiatives linked to specific NHGRI research initiatives, institutions may submit only one application to encompass all the education and training activities related to all NHGRI grants in that institution. For example, if an institution has more than one NHGRI research initiative grant, such as a training grant and a CEGS, or two CEGS, only one application may be submitted to cover NHGRI's support of the education and research training at that institution.

**Limited Submission:** Please note this opportunity requires internal coordination since an institution may submit 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.

#### **Non-Human Primate Heart/Lung Transplantation Tolerance (U01, U19)**

**Description:** To participate in the heart and lung models portion of the Non-Human Primate Transplantation Tolerance Cooperative Study Group (NHPCSG) program. The NHPCSG is a multi-center, cooperative program for research on non-human primate (NHP) models of kidney, islet, heart, and lung transplantation. The long-range goal of this program is to develop and evaluate tolerance-induction regimens that will result in enhanced long-term graft survival in clinical transplantation. The purpose of this opportunity is to renew the NHP heart and lung transplantation models portion of the NHPCSG program.

**Deadline:** December 17, 2009

**Amount:** Varies – See full announcement.

#### **The Biology of Estrogen Receptor-Negative Breast Cancer in Various Racial and Ethnic Groups (U01)**

**Description:** To promote the systematic study of the biology of estrogen receptor (ER)-negative human breast cancers, the characterization of their molecular features, the signaling pathways and networks that support their growth, as well as to identify differences in the biology of ER-negative breast tumors among racial and ethnic groups.

**Deadline:** January 5, 2010

**Amount:** Up to \$667,000 per year for up to five years.

#### **Directed Stem Cell Differentiation for Cell-Based Therapies for Heart, Lung, and Blood Diseases (R21 & STTR)**

**Description:** To define the factors and mechanisms controlling the differentiation of embryonic or adult stem or progenitor cells, either in vitro or in vivo. It is designed to stimulate new scientific advances in stem cell differentiation including technology research that may not be hypothesis driven. The long range goal of this program is the development of methods to direct the differentiation or development of stem cells along specific cell lineages to yield replacement cells for clinical use, whether the replacement cells are formed in vitro for delivery or formed in vivo in the tissue or organ environment.

**Deadline:** Standard dates apply - See full announcement.

**Amount:** Varies per funding mechanism – See full announcement.

**Eligibility:** only Small Business Concerns may apply - See full announcement for STTR eligibility details.

#### **Image-guided Drug Delivery (IGDD) in Cancer (R01)**

**Description:** To support research in development of integrated imaging-based platforms for multifunctional and multiplexed drug delivery systems in cancer. Validation studies in non-human primates or large animal models and first in human studies directed towards translation of IGDD technology into the clinic will be considered appropriate for this opportunity.

**Deadline:** Standard dates apply - See full announcement.

**Amount:** Up to \$500,000 per year for up to five years.

#### **Erythropoiesis: Components and Mechanisms (R01)**

**Description:** To support research efforts towards a complete description of the molecular and cellular components of erythropoiesis and how these components contribute to erythropoiesis. Components include genes that are expressed (transcriptome) in erythroid cells, either during development or during differentiation, and the proteins (proteome) that are translated in erythroid cells, especially with post-translational modifications or subcellular localizations that are unique to erythroid cells. A long range goal of this program is to generate a concise description of erythropoiesis that unifies genetics, molecular processes and cytokine determinants in the erythroid lineages so that new therapeutics may be developed to measure and combat anemia.

**Deadline:** Standard dates apply - See full announcement.

**Amount:** Up to \$500,000 per year for up to five years.

#### **Ancillary Studies to Major Ongoing Clinical Research Studies to Advance Areas of Scientific Interest within the Mission of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (R01)**

**Description:** To conduct ancillary studies to major ongoing clinical research studies, including clinical trials, epidemiological studies and disease databases supported by the National Institute of Diabetes and Digestive and Kidney Diseases. Major studies include multi-center investigations, national databases and Phase 3 clinical trials.

**Deadline:** Standard dates apply - See full announcement.

**Amount:** Up to \$500,000 per year for up to five years.

#### **Optimization of Small Molecule Probes for the Nervous System (R21)**

**Description:** Develop new small molecule probes for investigating biological function in the nervous system via the application of advanced medicinal chemistry and the biological testing of compounds. Eligible investigators will have identified probe candidates via screening of small molecule collections, using in vitro assays of biological activity developed to interrogate these collections, and be able to show that the structural features of these small molecules are related to their biological activity.

**Deadline:** Standard dates apply - See full announcement.

**Amount:** \$150,000 per year for up to two years.

#### **National Eye Institute (NEI) Research Grant for Secondary Data Analysis (R21)**

**Description:** To conduct secondary data analyses utilizing existing database resources. Applications may be related to, but must be distinct from, the specific aims of the original data collection. The NEI supports an extensive portfolio of clinical trials and large-scale epidemiologic research projects, wherein numerous data collection activities are required to meet each project's specific aims. Data are not limited to that collected under NEI support but these data are of highest programmatic interest. The R21 may be used to develop new statistical methodologies or to test hypotheses using existing data.

**Deadline:** Standard dates apply - See full announcement.

**Amount:** \$275,000 over a two-year period.

**National Institute of Dental and Craniofacial Research (NIDCR) Dentist Scientist Pathway to Independence Award (K99/R00)**

**Description:** To ensure that dual degree dentist scientists receive sufficient mentoring and protected research time necessary to allow them to successfully transition to independent researchers. In order to accomplish this, the mentored K99 phase is required to last for the full two year award duration.

The sponsoring institution(s) must guarantee a minimum of 75% protected research time during both the K99 and R00 award phases. In addition, recipients may receive clinical specialty training during the R00 phase, which may be extended for up to five years. Funding from the K99/R00 award cannot be used to support the clinical specialty training. The R00 phase will be limited to 3 years in the event that the awardee already has clinical specialty training, or chooses not to pursue specialty training.

**Deadline:** Standard dates apply - See full announcement.

**Amount:** Varies – See full announcement.

**Eligibility:** This award is intended for and limited to postdoctoral dentist scientists who are in mentored training positions and do not have sufficient research experience or institutional authority to lead an independent research program. Individuals with a full-time tenure track assistant professor position (or equivalent) at the time of application are not eligible. Eligible PD/PIs are limited to outstanding postdoctoral candidates who have both a clinical DDS or DMD (or equivalent) degree and a PhD (or equivalent research doctoral) degree and who have no more than 5 years of postdoctoral research training since their most recent degree at the time of application (resubmissions must also comply with this requirement). It is not required that the degrees were earned together as part of dual degree (DSTP) training program. Clinicians in a clinical faculty position that denotes independence in clinical responsibilities but not in research may also be eligible for the K99/R00 award. See full announcement for details.