

Bringing in the Research Dollars! (BiRD)



**Presented by:
The Emory-Children's Pediatric Research Center**

The monthly BiRD announcement highlights
pediatric research funding opportunities

If you plan to apply to any of the opportunities cited below or
for other research grants, please contact
Stacy Heilman to learn more about our
Grant Editing and Biostatistical Support Cores
that provide fully subsidized services for efforts
towards acquiring extramural research grant support.

March 2011 BIRD highlights

- Translational research in [pediatric pharmacology](#)
 - Examining the interaction of [diet and environmental exposure on health](#)
 - Unusual funding opportunity to develop, test, and evaluate health service activities, and to foster the application of existing knowledge for the control of categorical diseases within the themes of [Allergy, Immunology and Transplantation](#)
 - Funding towards catalyzing [new international collaborations](#)
 - Opportunity to [understand and treat co-morbid conditions in adolescents with IDD](#)
 - [March of Dimes](#) grant announcement related to birth defects research
 - Intramural funding opportunities for translational research related to novel medical device diagnostic or imaging [technology development for cancer diagnosis/treatment](#) and for collaborations between faculty in biomedical engineering and clinicians [towards improving the diagnosis and treatment of human disease.](#)
 - Multiple [nursing research](#) funding opportunities sponsored by American Nurses Foundation
 - HIV funding opportunities related to [basic research on HIV persistence](#), an integrative approach combining [biobehavioral and sociocultural research towards preventing HIV transmission and infection](#) and [HIV/AIDS testing and follow-up in U.S. underserved populations](#)
 - NOTICES highlighting a resource for finding [funding for your unfunded NIH applications](#), and a commitment from AHRQ on [investing in career development in the field of health care system redesign](#)
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GENERAL FEDERAL/COLLABORATIVE POTENTIAL

Program/Link **Translational Research in Pediatric and Obstetric Pharmacology (R01)**

<http://grants.nih.gov/grants/guide/pa-files/PAR-09-155.html>

- Purpose** The overall goals of this FOA are to support: (1) pharmacological studies addressing the special differences of drug actions and responses among children at various developmental stages, between children and adults, and between pregnant and non-pregnant women; (2) development of new drug targeting children and pregnant women; (3) multidisciplinary collaborations between basic and physician scientists to improve the use of therapeutics in obstetrics and pediatrics.
- Funds Avail** Because the nature and scope of the proposed research will vary from application to application, it is anticipated that the size and duration of each award will also vary.
- Deadline** May 19, 2011
- Remarks**
- The OPPB encourages investigator-initiated basic, translational, and clinical studies to address the goals described in this FOA
 - Runs in parallel with FOAs of identical scientific scope, <http://grants.nih.gov/grants/guide/pa-files/PAR-09-154.html> that encourages applications under the R03 grant mechanism (also due 5/19/11) and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-156.html> that encourages applications under the R21 grant mechanism (also due 5/19/11)

Pediatric pharmacology is an area of targeted future growth within our system.

Program/Link **Dietary Influence on the Human Health Effects of Environmental Exposures (R21)**

<http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-11-002.html>

- Purpose** Solicits grant applications from institutions/organizations to develop and test plausible hypotheses that relate dietary factors to the development or progression of toxicant-induced diseases. The ultimate goal of this research program is to produce new research findings that will expand our understanding of how environmental toxicants and diet/nutrition interact to influence human health and enable the development of effective primary prevention and intervention strategies to mitigate environmentally-induced diseases.
- Funds Avail** Application budgets cannot exceed \$150,000 per year in direct cost in any one budget year. The total direct costs allowed over the life of the grant may not exceed \$300,000. The maximum period is 3 years.
- Deadline** April 21, 2011

- Remarks**
- Types of research and experimental approaches encouraged through this FOA include human-based studies and laboratory-based studies
 - NIEHS intends to commit an estimated total of \$2 million toward 10 awards
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Program/Link NIAID Research Demonstration and Dissemination Projects (R18)
<http://grants.nih.gov/grants/guide/pa-files/PAR-11-120.html>

Purpose Inviting applications that propose studies which will develop and test strategies to accelerate the adoption and integration of evidence into practice. This FOA supports dissemination and implementation studies to (1) develop innovative approaches to translating efficacious and/or evidence-based approaches and effective prevention modalities for immune-based disorders in the clinic, community, and other real-world settings; (2) test the effectiveness, sustainability, determinants, and cost-effectiveness of these approaches in a variety of real-world settings; and (3) examine the effectiveness of interventions as they are disseminated and implemented in real-world settings to reduce risk factors for and enhance prevention and treatment of immune-based disorders relevant to the NIAID mission. The ultimate goal of this program is to determine feasible and effective strategies to translate research findings into practice, to identify determinants of implementation effectiveness at all levels, and to accelerate the adoption, integration, and sustainability of evidence into practice and medical decision-making.

The proposed research must address scientific areas **relevant to the NIAID mission and are limited to the specific research priorities of the Division of Allergy, Immunology and Transplantation (DAIT)*** including the mechanisms of normal immune function and immune dysfunction resulting in autoimmunity, immunodeficiency, allergy, asthma, and transplant rejection; and research to develop vaccines, therapeutics, and diagnostics to prevent and treat immune-mediated, and allergic diseases.

Funds Avail Application budgets are not limited, but need to reflect actual needs of the proposed project. Because the nature and scope of the proposed research will vary from application to application, it is anticipated that the size and duration of each award will also vary. A project duration of up to five years may be requested.

Deadline May 16, 2011; May 16, 2012; May 16, 2013

- Remarks**
- *Investigators are encouraged to visit the NIAID website for additional information about the research mission and high-priority research areas of DAIT
<http://www.niaid.nih.gov/about/organization/dait/Pages/default.aspx>
 - The R18 mechanism is designed to provide support to develop, test, and evaluate health service activities, and to foster the application of

existing knowledge for the control of categorical diseases.

- It is anticipated that the request for demonstration and dissemination support through the R18 mechanism will occur on an infrequent basis and only in circumstances where other mechanisms of support from the NIAID are not appropriate.
- Funds for these projects are limited and the Institute does not expect to make more than 1-2 competing awards per year.

Program/Link Catalyzing New International Collaborations

<http://www.nsf.gov/pubs/2011/nsf11508/nsf11508.htm>

Purpose	Support of international activities is an integral part of NSF's mission to sustain and strengthen the nation's science, mathematics, and engineering capabilities. NSF recognizes the importance of enabling U.S. researchers and educators to advance their work through international collaboration and of helping to ensure that future generations of U.S. scientists and engineers gain professional experience beyond the nation's borders early in their careers. Grants from the Office of International Science and Engineering (OISE) contribute to NSF's mission by supporting research and education activities that present unique opportunities and offer potentially high benefits through collaboration with scientists and engineers abroad. OISE support is intended to enhance current U.S. research capacity, develop a cadre of scientists and engineers who will play a leadership role in forging the international collaborations of the future, and broaden the participation of students, recent PhDs, early career faculty members, women, and minority and disabled scientists and engineers. NSF may consider proposals from U.S. institutions for collaborative work with any country that is not explicitly proscribed by the Department of State. Activities can be in any field of science and engineering research and education supported by NSF. This solicitation offers support for the initial phases of an international collaboration with the strong expectation that the next phase will involve submission of a follow-on proposal for continued funding of the collaborative research. U.S. groups will be expected to develop a future proposal for continued funding that would be competitive in the merit-review process of the appropriate NSF program. Demand for funding of the follow-on international activities may generate new models and enhanced capabilities for supporting such projects.
Funds Avail	Funding levels for catalytic activities can typically range from as little as \$10,000 to as much as \$100,000, depending on the activities proposed.
Deadline	September 01, 2011 (and each Sept 01 thereafter), March 01, 2012 (and each March 01 thereafter)
Remarks	➤ Activities proposed are 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

Program/Link Understanding and Treating Co-Morbid Conditions in Adolescents with Intellectual and Developmental Disabilities (R01)

<http://grants1.nih.gov/grants/guide/pa-files/PA-11-039.html>

Purpose Encourages research project grant (R01, R03, R21) 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 (IDD) during adolescence. The objective is to create a more substantial base of evidence to inform future research directions in studies of adolescents with IDD and to better meet the medical, psychosocial, and psychiatric needs of a growing population of individuals with IDD in the United States and internationally. The scope of the FOA would broadly include biomedical, educational, social, psychosocial, and psychiatric issues in adolescents with IDD. Applications from investigators experienced in studies of adolescents with IDD are particularly encouraged.

Funds Avail Budgets for direct costs of up to \$500,000 per year may be requested for a maximum of \$2,500,000 direct costs over a five-year project.

Deadline Standard NIH due dates*

Remarks ➤ Companion FOA's include an R03 Small Grant Program (<http://grants1.nih.gov/grants/guide/pa-files/PA-11-040.html>) and an R21 Exploratory/Developmental Grant (<http://grants1.nih.gov/grants/guide/pa-files/PA-11-041.html>)

FOUNDATION

Program/Link March of Dimes Research Program

http://www.marchofdimes.com/2012_March_of_Dimes_Research_RFP.pdf

Purpose Inviting applications for research grants directed at the prevention of birth defects. Research subjects appropriate for support by the March of Dimes include basic biological processes governing development, genetics, clinical studies, studies of reproductive health, environmental toxicology, and social and behavioral studies. The general March of Dimes Research portfolio funds many different areas of research on topics related to their mission to prevent birth defects, premature birth and infant mortality. These investigations include — but are not limited to — basic biological processes of development, genetics, clinical studies, studies of reproductive health, environmental toxicology, and studies in social and behavioral

sciences that focus on factors contributing to adverse pregnancy outcomes, and on consequences of birth defects and prematurity. In Social and Behavioral Sciences, they are interested in applications proposing research that advances the understanding of –and therefore the ability to prevent – the cognitive and behavioral risks that affect outcomes of pregnancy, the perinatal period and subsequent child development.

- Funds Avail** Based on budgetary need of project. The average award from last year was \$93,342 with a range between \$60,225 and \$157,593. The grants are awarded for a three-year period.
- Deadline** The on-line process for LOI submission must be completed by April 30, 2011
- Remarks**
- These grants do not cover the recipient's or other faculty salaries, but do provide salary support for technical help
 - A scientific advisory committee will extend invitations for full applications by July 15, 2011
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INTRAMURAL/SEED/PILOT

Program/Link Joint Winship Cancer Institute/ACTSI Translational Research Grant Program

http://www.actsi.org/news/2011/documents/winship_actsi.pdf

- Purpose** Resources are being pooled between Winship and the ACTSI to provide support for novel medical device, diagnostic or imaging technologies that substantially enhance the diagnosis or treatment of cancer. Outcomes required to achieve this goal include follow-on funding, inventions, patent applications, licenses and commercial products.
- Funds Avail** Grants are expected to range from \$50,000 – \$75,000 for a one-year period
- Deadline** June 30, 2011 at 5pm
- Remarks**
- This is a multiple-PI grant. At least one PI must be a member of the Winship Cancer Institute. The other PI must be permanent faculty in the professorial ranks (assistant, associate, or full) from Emory University, MSM or Georgia Tech.
 - Collaboration of PIs from different disciplines and from different institutions is preferred but not required.
 - The 5 page body of the proposal must contain the following information:
 - A description of the unmet clinical need and business, market, or clinical application opportunity
 - Overall project goals, approximate timing to achieve them, and

- expected outcomes
- Specific first-year milestones (per quarter) and a plan for achieving them
- Plan for extramural (e.g., NIH) funding after this award expires, consistent with overall project goals and timing
- List of current funding and pending proposals for each co-investigator (including dollar amount)
- If needed, approval status for animal and human subjects

Program/Link Annual Wallace H. Coulter Translational Research Grant Program

<http://www.bme.gatech.edu/coulter/cctrp.php>

Purpose Supports collaborative translational research projects that involve a faculty investigator whose primary or program appointment (full or partial) is in The Wallace H. Coulter Department of Biomedical Engineering at Georgia Tech and Emory University and a faculty clinician investigator in a clinical department in the Emory University School of Medicine. The overall goal of this program is to improve the diagnosis and treatment of human disease. Outcomes typically required to achieve this goal include inventions, patent applications, successful pre-clinical or clinical studies, follow-on funding, licenses and commercial products.

Funds Avail Up to \$100,000 for a one-year period

Deadline March 31, 2011, at 5pm

Remarks

- Please contact Greg Dane, Coulter Project Director, if you are planning to submit a proposal (404/385-5036, greg.dane@bme.gatech.edu)
- Each proposal must have co-investigators, at least one from The Wallace H. Coulter Department of Biomedical Engineering at Georgia Tech and Emory University and at least one from a clinical department in the Emory School of Medicine.
- The research must relate directly to applications in health care, and the objectives of the project should include an outcome that will benefit patients.
- Evaluation of each proposal will be on the basis of scientific merit, potential health care impact, and the potential to obtain further financial support toward commercialization.

This is a great collaborative opportunity between BME at GA Tech/Emory and clinician investigators within the Emory Dept of Pediatrics.

Nursing

Program/Link ANF 2011 Nursing Research Grants

<http://www.anfonline.org/MainCategory/NR-Grant/ANFResearchGrant.aspx>

- Purpose** The purpose of the American Nurses Foundation (ANF) Nursing Research Grants (NRG) Program is to encourage the research career development of all nurses. Each year, through our Nursing Research Grants (NRG) Program, ANF provides funds to beginning and experienced nurse researchers to conduct studies that contribute toward the advancement of nursing science and the enhancement of patient care. Awards are given in all areas of nursing, including healthy patient outcomes, health care policy development, critical care, gerontology, women's health, community and family intervention.
- Funds Avail** 30 different awards with funding ranges between \$3,000-\$25,000.
- Deadline** May 2, 2011
- Remarks** ➤ In all award categories, the principal investigator must be a licensed registered nurse who has obtained at least one degree, either a baccalaureate degree or higher, in nursing

HIV/AIDS

Program/Link Basic Research on HIV Persistence (R01)

<http://grants.nih.gov/grants/guide/pa-files/PA-09-152.html>

- Purpose** The purpose of this initiative is to support studies that address basic aspects of the persistence of HIV or SIV infection in individuals receiving highly active anti-retroviral therapy (HAART). It is expected that proposals supported under this FOA will involve cellular, structural and systems biology, host and viral genetics, immunology, or virology. All aspects of the challenge of so-called latent viral infection are encouraged including mechanisms responsible for creation, maintenance, and removal of residual viral infection, new assay development, mathematical, cell, and animal model development, and development of new technologies needed for expansion of our understanding of HIV persistence. Applicants are encouraged to show how proposed studies that will explore the mechanisms underlying persistence will inform the future investigation and design of therapeutic strategies for long term remission without treatment (functional cure) or complete eradication of persistent virus and achievement of a full cure for HIV infection and AIDS. **The emphasis of this initiative is on the development of new ideas and approaches in HIV-1 persistence including model and assay development that**

may directly inform future studies on the design of therapeutic strategies to achieve long term remission without treatment or a complete eradication of residual virus and complete cure for HIV infection and AIDS.

Funds Avail Because the nature and scope of the proposed research will vary from application to application, it is anticipated that the size and duration of each award will also vary.

Deadline Standard NIH AIDS Deadlines*

Remarks ➤ Companion FOA: R21 Exploratory/Developmental Grant;
<http://grants1.nih.gov/grants/guide/pa-files/PA-10-137.html>

Program/Link Integrating Biobehavioral and Sociocultural Research to Prevent HIV Transmission and Infection (R01)

<http://grants1.nih.gov/grants/guide/pa-files/PA-08-188.html>

Purpose Solicits Research Project grant applications from applicant organizations to develop theoretically grounded approaches to prevention of HIV infection and transmission that incorporate biobehavioral approaches in studies that are culturally appropriate. Biobehavioral approaches may be biomedical, or they may consist of behavioral interventions using biological markers of efficacy. Sociocultural appropriateness involves, at minimum, application of knowledge of the norms, beliefs and values of potential research subjects in varied contexts, and an appreciation of culture as dynamic. It is anticipated that such knowledge will improve both the quality and applicability of research among the diverse populations affected by the pandemic, in the US or abroad. Intervention and pre-intervention studies are welcomed, but descriptive ethnographic and epidemiological research is still needed in some areas. For example, descriptive research may delineate the impact of cultural variables on behaviors that impede or promote biological markers (e.g., seroconversion), lead to a better understanding of ethical concerns in biomedical preventive studies, or may illuminate as yet unrecognized issues concerned with adherence to a prevention interventions. Intervention studies should evaluate the efficacy of biomedical interventions, or of behavioral interventions that also use biological variables, in light of the sociocultural context. **The goal of this announcement is to invite research that integrates biobehavioral and sociocultural variables in a program of HIV prevention research. It addresses both primary prevention of infection and the**

prevention of transmission by people already living with HIV. The research approach must be appropriate for the research questions being asked in response to the objectives of this announcement.

Funds Avail Because the nature and scope of the proposed research will vary from application to application, it is anticipated that the size and duration of each award will also vary.

Deadline Standard NIH due dates*

Remarks ➤ Companion FOA: R21 Exploratory/Developmental Grant;
<http://grants.nih.gov/grants/guide/pa-files/PA-08-189.html>

Program/Link HIV/AIDS Testing and Follow-up Among the Underserved in the United States (R01)

<http://grants.nih.gov/grants/guide/pa-files/PA-11-118.html>

Purpose Encouraging research which will increase rates of HIV screening/testing and increase the number of persons who follow-up on a positive HIV screening test and receive treatment, particularly in underserved and at-risk populations within the United States. With this initiative, the ultimate goal is to decrease the rate of HIV transmission and increase the quality of life for people living with HIV/AIDS (PLWHA) by initiating diagnosis and treatment earlier.

Funds Avail Application budgets are not limited, but need to reflect actual needs of the proposed project. Maximum project period is 5 years.

Deadline Standard NIH AIDS Application Deadlines*

Remarks ➤ Companion FOA: R21 Exploratory/Developmental Grant;
<http://grants.nih.gov/grants/guide/pa-files/PA-11-119.html>

NOTICES/ANNOUNCEMENTS

Help for Your Unfunded NIH Applications

The National Health Council just announced the availability of a database that will help link unfunded NIH applications with potential non-governmental funding sources. This database (found at <http://healthresearchfunding.org/>) will serve as a kind of clearinghouse for unfunded research proposals. PIs can choose to put basic information about their scored but unfunded NIH grant applications directly into the National Health Council's HealthResearchFunding.org database. Potential funders will then be able to search the database to find projects they might be interested in funding. To be eligible for HealthResearchFunding.org, you must be the principal investigator on a grant application that was submitted to the NIH, the application must have been peer-reviewed, it had to have received a numerical overall impact score, and the NIH made the decision not to fund the project. To read more about NIH's endorsement of this tool, go to <http://nexus.od.nih.gov/all/2011/02/07/help-for-your-unfunded-applications/>

NOT-HS-11-006:**AHRQ Announces Interest in Career Development (K01, K02, K08) Grants focused on Health Care System Redesign**

With this Notice, AHRQ announces intent to support individual mentored and independent career-development grants (I.e., K01, K02, K08 grants) to doctorally-prepared clinicians and scientists interested in pursuing research careers related to evaluating and comparing health care delivery system designs; developing and evaluating system redesigns; and implementing and disseminating effective, evidence-based design practices. Applicants must have an interest in developing their careers in research related to improving quality of care by comparing and/or evaluating health care delivery system practice. The objective of individual career development grants is to provide support and “protected time” for an intensive research career development experience, which may be either mentored or independent. Details on the scope, eligibility, deadlines, and application procedures for these grants can be found at one of the following sites: <http://www.ahrq.gov/fund/training/trainix.htm#indlg>, or <http://www.ahrq.gov/fund/>.

*NIH STANDARD DUE DATES CITED ABOVE

Mechanism(s)	Cycle I Due Date	Cycle II Due Date	Cycle III Due Date
P Series ALL – new, renewal, resubmission, revision	25-Jan	25-May	25-Sept
R01 NEW <i>renewal, resubmission, revision</i>	5-Feb 5-Mar	5-Jun 5-Jul	5-Oct 5-Nov
R03, R21, R34 NEW <i>renewal, resubmission, revision</i>	16-Feb 16-Mar	16-Jun 16-Jul	16-Oct 16-Nov
K series NEW <i>renewal, resubmission, revision</i>	12-Feb 12-Mar	12-Jun 12-Jul	12-Oct 12-Nov
All AIDS and AIDS-Related Applications (for mechanisms cited above) <i>All - new, renewal, resubmission, revision</i>	7-May	7-Sept	7-Jan

For the full schedule of NIH standard due dates, see <http://grants1.nih.gov/grants/funding/submissionschedule.htm>



ABOUT THE BIRD:

This compilation of general interest funding opportunities and announcements with possible collaborative potential is distributed to our pediatric research community monthly. It is compiled by the Emory-Children's Pediatric Research Center to disseminate funding announcements of potential interest in a consolidated manner. More specific announcements are distributed in a more targeted fashion.

If you are not receiving this directly from Stacy Heilman and wish to be added to our Pediatric Research listserv, please e-mail stacy.heilman@emory.edu to make the request. Please also contact Stacy if you are interested in applying for any research funding opportunities and/or if you are interested in building collaborative efforts and programs towards applying for future funding.