

## 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.

### *June 2011 BIRD highlights*

- [Autism Center of Excellence](#) P50
- Collaborative opportunities with GA Tech towards [healthy independent living](#) and in applying [virtual reality technologies in obesity and diabetes](#)
- General Medical Science P01 opportunity towards solving [significant biological problems](#)
- Towards investigating [primary immunodeficiency diseases](#)
- Strategies towards [protecting infants against infectious diseases](#)
- [Global Network Children's Health Research](#) grant opportunity collaborating with research centers in low and lower-middle income foreign countries
- Basic cancer research towards [investigating the causes and mechanisms of cancer health disparities](#)
- [RWJF grants to build evidence to prevent childhood obesity](#) both through active living and healthy eating.
- [Career development opportunities](#) towards independent support
- [Pediatric Nanomedicine](#) seed funding opportunity

### **Program/Link Autism Centers of Excellence: Centers (P50)**

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-12-195.html>

#### **Purpose**

This FOA solicits applications for ACE Centers. Centers bring together expertise, infrastructure and resources focused on major questions about autism. Centers should involve collaborations of basic and clinical scientists optimally suited to address the research questions posed. NIH expects Centers to provide

an environment and core resources to bring together biomedical, behavioral, and clinical science investigators to study autism. Collaborations involving more than one institution are strongly encouraged to provide optimal resources and expertise. The Centers should provide investigators with well-characterized patients and control subjects, family information, and other scientific resources that facilitate research projects. Applications for Centers must include a minimum of three but no more than six research projects.

An ACE Center must support major multidisciplinary research programs, consisting of interdependent and interrelated subprojects. Meaningful and committed interactions among the disciplines must be evident. Subprojects may share materials, results, data, patient populations, or methodologies. Results of one subproject may well affect the understanding and interpretation of data from another project and thereby influence the nature of the research performed in one or more of the other subprojects. In addition, each subproject must have goals and objectives that focus on the common unifying theme that interrelates the subprojects.

**Funds Avail** An applicant may request an annual budget for direct costs up to \$1.5 million for a Center. Maximum project period is 5 years

**Deadline** November 16, 2011

**Remarks** ➤ Companion RFA Research Project Grant R01 (<http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-12-196.html>) for Autism Centers of Excellence: Networks (ACE Networks). A network will consist of multiple sites focusing on a specific topic of research for R01 support through this funding opportunity. Each network will submit one R01 application that includes subcontracts to the collaborating sites. An ACE Network application must include one or more collaborative projects that require multiple sites for optimal design and conduct of studies.

An application to this RFA is being prepared by the director of the Marcus Autism Center, Dr. Ami Klin, and his research colleagues.

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**Program/Link** **Technologies for Healthy Independent Living (R01)**  
<http://grants.nih.gov/grants/guide/pa-files/PAR-11-020.html>

**Purpose** Encouraging applications for research and development of technologies that monitor health or deliver care in a real-time, accessible, effective, and minimally obtrusive way. These systems are expected to integrate, process, analyze, communicate, and present data so that the individuals are engaged and empowered in their own healthcare with reduced burden to care providers. The development of these technology systems has the potential to significantly improve the quality of life for people with disabilities, people aging with mild impairments, as well as individuals with chronic conditions.

**Funds Avail** Application budgets are not limited, but need to reflect actual needs of proposed project.

**Deadline** September 19, 2011; January 19, 2012; May 18, 2012; September 19, 2012; January 18, 2013; May 17, 2013; September 19, 2013

**Remarks**

- It is expected that many of these projects will be collaborations between engineers and computer scientists; and nurses, physical therapists, doctors, and other clinicians. Behavioral scientists may also be involved in identifying the best approaches to ensure adoption of the approach and patient engagement and motivation.
- Participating organizations include NICHD, NIBIB and NINR
- Companion RFA is the R21, Exploratory/Developmental Grant - <http://grants1.nih.gov/grants/guide/pa-files/PA-11-021.html>

This provides a possible collaborative opportunity between Dept of Pediatrics physicians and GA Tech engineers. Contact [stacy.heilman@emory.edu](mailto:stacy.heilman@emory.edu) if you are interested in exploring the possibilities.

**Program/Link** **Virtual Reality Technologies for Research and Education in Obesity and Diabetes (R01)**

<http://grants.nih.gov/grants/guide/pa-files/PA-11-211.html>

**Purpose** The purpose of this Funding Opportunity Announcement (FOA) is to encourage submission of hypothesis-testing research applications that capitalize on the unique capabilities of Virtual Reality (VR) technologies to visualize outcomes, teach, motivate, and to extend the health care and learning environments, in order to foster to foster desirable eating, physical activity, self-care, and other health-related behaviors necessary for prevention and management of obesity and diabetes.

Of highest interest are well-designed multidisciplinary projects drawing on expertise in VR technologies and biomedical behavioral and pedagogical sciences. The overall goal is to develop the potential of VR technologies as research tools for behavioral science-oriented studies in diabetes and obesity, and as practical tools for clinical and public health-level prevention and management of obesity and diabetes.

**Funds Avail** Application budgets are not limited, but need to reflect actual needs of the proposed project. Project periods may not exceed 5 years.

**Deadline** Standard NIH due dates\*

**Remarks**

- Companion RFA's include:
  - R21, Exploratory/Developmental - <http://grants1.nih.gov/grants/guide/pa-files/PA-11-212.html>
  - R43/R44 SBIR - <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-12-020.html>
  - R41/R42 STTR - <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-12-024.html>
- Participating organizations include NICHR, NHLBI, OBSSR and TATRC

This provides a possible collaborative opportunity between Dept of Pediatrics physicians and GA Tech engineers. Contact [stacy.heilman@emory.edu](mailto:stacy.heilman@emory.edu) if you are interested in exploring the possibilities.

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**Program/Link** **Support of NIGMS Program Project Grants (P01)**  
<http://grants.nih.gov/grants/guide/pa-files/PAR-11-220.html>

**Purpose** This funding opportunity announcement (FOA) issued by the National Institute of General Medical Sciences encourages innovative, interactive program project grant applications from institutions/organizations that propose to conduct research which aims to solve a significant biological problem, important for the mission of NIGMS<sup>+</sup>, through a collaborative approach involving outstanding scientists who might not otherwise collaborate. The program project grant mechanism is designed to support research in which the funding of several interdependent projects as a group offers significant scientific advantages over support of these same projects as individual regular research grants.

*<sup>+</sup>NIGMS supports research in the broad areas of Cell Biology and Biophysics; Genetics and Developmental Biology; Pharmacology, Physiology, and Biological Chemistry; and Bioinformatics and Computational Biology.*

**Funds Avail** An upper limit of \$6,500,000 direct costs for the entire five year project period may be requested in a competing program project grant application to the NIGMS.

**Deadline** Standard NIH Deadlines\*

**Remarks**

- Must include a minimum of three individual, interdependent projects from different investigators. All of the projects must be relevant to the common unifying central theme, focus, and overall objective of the entire program project.
- One or more shared resources or cores may be requested
- Multiple PD/PI's for the overall P01 are not allowed in this FOA

NIGMS pay lines may be better than your own subspecialty institute. If you have a programmatic idea for this opportunity, you may contact [stacy.heilman@emory.edu](mailto:stacy.heilman@emory.edu) for strategic advice.

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**Program/Link** **Investigations on Primary Immunodeficiency Diseases (R01)**  
<http://grants.nih.gov/grants/guide/pa-files/PAR-08-206.html>

**Purpose** Support innovative investigations in primary immunodeficiency diseases with a focus on ex vivo studies with human specimens and on studies with existing or new animal models. This FOA will also support novel clinical strategies, not including clinical trials, to detect primary immunodeficiency diseases, to

identify the molecular basis of these diseases, and to develop innovative therapies for primary immunodeficiency diseases.

**Funds Avail** Budgets are not limited but must be well justified. The total project period may not exceed 5 years.

**Deadline** Standard NIH Deadline Dates\*

**Remarks**

- Investigators who have no prior history of receiving independent NIH funding in this field are encouraged to apply to this FOA.
- Co-sponsored by NIAID, NICHD, NINDS and NIDDK
- This FOA utilizes the NIH Research Project Grant (R01) award mechanism and runs in parallel with FOAs of similar scientific scope, PAR-07-446 (<http://grants.nih.gov/grants/guide/pa-files/PAR-07-446.html>) and PAR-07-447 (<http://grants.nih.gov/grants/guide/pa-files/PAR-07-447.html>) that encourage applications under the R21 and R03 award mechanisms, respectively.

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**Program/Link** **Strategies for the Protection of Pregnant Women and Infants Against Infectious Diseases (R01)**

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-11-036.html>

**Purpose** The goal of this FOA is to obtain a better understanding of the mechanisms by which pathogens that infect pregnant women have an adverse impact on placental function and fetal health. The knowledge gained will provide a basis for developing interventions against these pathogens and meeting the long-term goal of reducing their impact on pregnancy and fetal health.

Applicants should propose hypothesis-driven specific aims that directly address one or more of the three major areas below.

- Mechanisms of pathogen-mediated placental pathology and/or dysfunction.
- Mechanisms of trans-placental transmission of pathogens and their components.
- Mechanisms of pathogen-mediated pregnancy loss and pre-term delivery.

**Funds Avail** Budgets for direct costs of up to \$350,000 per year may be requested. In any year in which studies involving non-human primates or humanized mouse models are proposed, an additional \$150,000 in direct costs may be requested, with appropriate justification. Maximum project duration is 5 years.

**Deadline** October 13, 2011

**Remarks** ➤ NIAID intends to fund an estimated eight awards, corresponding to a total of \$2.9M, for fiscal year 2012.

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**Program/Link** **Global Network for Women's and Children's Health Research (U10)**

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-12-200.html>

**Purpose** The NICHD invites applications from investigators willing to participate under

a cooperative agreement in an ongoing multicenter international research network designed to perform randomized clinical trials and intervention studies focused on reducing the major risks to maternal, neonatal, infant, and early childhood health in the low and lower-middle income countries.

This FOA solicits applications from U.S. institutions to support Research Units within the Global Network. Individual Research Units (RU) will consist of U.S.-based research centers in partnership with research centers in low and lower-middle income foreign countries. The RUs within the Global Network will participate in addressing the major causes of maternal, neonatal, infant, and early childhood morbidity and mortality. The grantees will form a cooperative network in scientific partnership with NICHD to conduct common, randomized clinical trials evaluating interventions in resource-poor settings. The catchment populations for the RUs will include a diversity of ethnic, linguistic and cultural groups.

Originally funded to perform diverse, site-specific individual protocols, the Global Network has transitioned to the conduct of common research protocols (conducted by 3-4 Research Units) to more efficiently address the major causes of morbidity and mortality among women and young children in the developing world. Grantees will be part of a Global Network that will include up to seven (7) clinical Research Units (RUs, dyads of U.S. and foreign teams) and a Data Coordinating Center (DCC). The Global Network is intended to strengthen and enhance the global infrastructure and research capacity for women's and children's health research. It will increase opportunities for scientific linkages, interaction, knowledge development and transfer, and collaborative partnerships among U.S. and foreign investigators and institutions.

**Funds Avail** Applications for the RUs may request a budget for direct costs of up to \$170,000 per year for RU base costs and \$420,222 direct costs under Other Expenses as restricted funds, to be used for common protocols. Final award budgets for protocols will be negotiated at a later date and may be adjusted upwards/downwards as necessary. Project periods equal 5 years.

**Deadline** August 11, 2011

**Remarks** ➤ Applications for a Global Network Research Unit grant must be submitted jointly by collaborating teams of investigators that include the applicant U.S. PD/PI and a senior foreign investigator (SFI), who must be a national of a low and lower-middle income country residing in his/her own country.

There is a strong interest in participating in global health research in the Emory Dept of Pediatrics. A group is forming to discuss a possible response to this RFA. Interested investigators should contact [stacy.heilman@emory.edu](mailto:stacy.heilman@emory.edu).

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**Program/Link** Basic Cancer Research in Cancer Health Disparities (U01)

<http://grants.nih.gov/grants/guide/pa-files/PA-11-156.html>

- Purpose** Inviting cooperative agreement research (U01) grant applications from investigators interested in conducting basic research studies into the causes and mechanisms of cancer health disparities, including those related to basic research in prevention strategies. These awards will support innovative mechanistic studies that investigate biological/genetic bases of cancer health disparities, including those related to basic research in prevention strategies. This FOA is also designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of basic research expertise in cancer health disparities research who can develop resources and tools, such as biospecimens, cell lines and methods that are necessary to conduct basic research in cancer health disparities.
- Funds Avail** Direct costs are limited to \$250,000/year and may not exceed 5 years.
- Deadline** June 23, 2011; November 23, 2011
- Remarks**
- Runs in parallel with an FOA of identical scientific scope, <http://grants.nih.gov/grants/guide/pa-files/PAR-09-160.html> which utilizes the Exploratory/Developmental (R21) grant mechanism.
  - For this FOA, the NCI is particularly interested in the interplay of race/ethnicity with cancer biology, such as the use of biospecimens from different racial/ethnic groups or the use of ancestral markers in determining more genetically defined measures of race and ethnicity. These awards will provide support for development and testing of new methodologies, prevention strategies, development and testing of new research technology, secondary analysis of existing data, self-contained research projects, and innovative studies that provide a basis for more extended research in cancer disparities (see also <http://dccps.nci.nih.gov/smallgrants/>).

**Program/Link** **Robert Wood Johnson Foundation**  
**Active Living Research: Building Evidence to Prevent Childhood Obesity**  
[http://www.rwjf.org/applications/solicited/cfp.jsp?ID=21121&cid=XEM\\_205591](http://www.rwjf.org/applications/solicited/cfp.jsp?ID=21121&cid=XEM_205591)  
**Healthy Eating Research: Building Evidence to Prevent Childhood Obesity**  
[http://www.rwjf.org/applications/solicited/cfp.jsp?ID=21341&cid=XEM\\_205591](http://www.rwjf.org/applications/solicited/cfp.jsp?ID=21341&cid=XEM_205591)

**Purpose** Offering funding opportunities supporting research to identify and evaluate policies and environmental approaches that have the potential to prevent and reduce childhood obesity, especially among children at highest risk. Scopes of research include:

**Active Living** - supports opportunistic studies that take advantage of emerging or anticipated changes in physical activity-related policies or environments. Studies funded under this CFP are expected to produce findings relevant to policy debates for local, state or national action and accelerate progress toward policy and environmental strategies to prevent and reduce childhood obesity.

**Healthy Eating** – supports studies to identify and evaluate policies and



environmental approaches that have the greatest potential to improve children's diets and energy balance to reverse the nation's levels of childhood obesity. These grants will support time-sensitive and opportunistic studies on emerging or anticipated changes in food-related policies or environments that can be conducted only during a short window of opportunity and are needed to inform policy debates for local, state or national action.

**Funds Avail**

**Active Living:** A total of up to \$1.5 million will be awarded under this call for proposals. The maximum award for a single grant is \$150,000, with a funding period not to exceed 18 months.

**Healthy Eating:** Approximately \$875,000 will be awarded of up to \$150,000 each, for a maximum funding period of 18 months.

**Deadline**

**Active Living: LOI due July 1, 2011** - Within two weeks of receipt of the letter of intent, Stage 1 applicants will be notified of the review results and selected applicants will be invited to submit a full proposal.

**Healthy Eating:** Aug 2, 2011

**Remarks**

- Target populations include children and adolescents ages 3 to 18 and their families, especially in lower-income and racial and ethnic populations at highest risk for obesity.

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**Program/Link** **The Chicago Community Trust Searle Scholars Program**

<http://www.searlescholars.net>

**Purpose**

Supports research in medicine, chemistry and the biological science. Applicants will be expected to be pursuing independent research careers in the following disciplines: biochemistry; cell biology; genetics; immunology; neuroscience; pharmacology; and related areas in chemistry, medicine and biological sciences. The Searle Scholars Program does not ordinarily support purely clinical research but has supported research programs that include both clinical and basic components. Potential applicants who are unsure if their research is appropriate for our Program are encouraged to examine the research interests of present and former Searle Scholars on this website. Full information can be found at the website noted above.

**Funds Avail**

Grants of \$100,000 per year for three years will fund newly independent investigators who began their first tenure-track position at the assistant professor level on or after July 1, 2010.

**Deadline**

Internal Deadline: August 1, 2011 (if invited to apply, agency deadline is Sept 30, 2011)

**Remarks**

- Applicants must be in the first or second year of their first appointment at the assistant professor level, and whose current appointment is a tenure-track



position.

- **Submission Limitations:** Emory University may nominate 2 candidates for this program; **Internal Competition Guidelines:** Interested applicants must submit an abstract of their proposed projects (not to exceed 2 pages) and an NIH-style biosketch to Holly Sommers via e-mail ([hsomme2@emory.edu](mailto:hsomme2@emory.edu)) by no later than the internal deadline noted above for consideration. Please put *Searle Scholars Program – Candidate Name* in the subject line of the e-mail. Please note that written reviews or summary statements from the internal review and selection process will not be available.
- Contact [stacy.heilman@emory.edu](mailto:stacy.heilman@emory.edu) for a copy of the application guidelines

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### Program/Link **Edward Mallinckrodt, Jr. Foundation**

**Purpose** The basic aim of the Foundation is to dispense that amount of yearly income required by law for the purpose of advancing knowledge in the various fields of medical and health research.

It is further the general aim to confine contributions to those worthy projects that are in need of initial start-up funding to move the projects forward to the point of other independent support or to support highly promising young investigators at the time when start-up funds are limited and initial progress is dependent on additional funding.

**Funds Avail** The award amount is unspecified. Grants may be made for periods of 1-3 years.

**Deadline** Internal Deadline: July 5, 2011 (if invited to apply, agency deadline is Aug 1, 2011)

**Remarks** ➤ It is not the intent to support projects that are already under way and are already receiving significant grant support to provide long-range funding beyond an initial 3-year period of support.

➤ Emory may make **TWO** nominations.

Interested applicants should submit a two-page abstract (abstract should include along with your name and contact info, 1-specific aims and hypotheses, 2-background & significance, 3-preliminary data when available and 4-outline of research design & methods) plus a NIH biographical sketch.

Please email to:

Trish Haugaard [patricia.haugaard@emory.edu](mailto:patricia.haugaard@emory.edu) OR Kelly Simily Shaw [ksimily@emory.edu](mailto:ksimily@emory.edu)

➤ Contact [stacy.heilman@emory.edu](mailto:stacy.heilman@emory.edu) for a copy of the application guidelines

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### Program/Link **The Children's Center for Pediatric Nanomedicine (CPN) Pilot Request for Applications**

<http://www.pedsresearch.org/centers/sub-pages/center-for-pediatric-nanomedicine-call-for-proposal>

- Purpose** The intent of the seed grant program is to build strong collaborations and interdisciplinary projects leading to new *extramural funding* related to pediatric nanomedicine. It is expected that the pilot projects supported by the seed grants will foster the formation of research teams consisting of bioengineers, scientists and clinicians, and integrate pediatric nanomedicine research activities at Children’s, Georgia Tech and Emory University. Areas of research focus will include **cancer, cardiovascular disease, infectious disease**, and genetic diseases such as **sickle cell disease** and **cystic fibrosis**.
- Funds Avail** \$60,000 direct costs per pilot project, available for one year (08/01/11-07/31/12).
- Deadline** July 1, 2011
- Remarks**
- All faculty (including Research Faculty) members from Children’s, Georgia Tech, Emory University and Morehouse School of Medicine are eligible to apply for seed grant funds.
  - Multiple Principal Investigators are strongly encouraged, and *at least one of the Co-PIs should be an investigator in Pediatrics at Emory or Morehouse, or on the professional staff of Children’s Healthcare of Atlanta.*
  - Renewal of a project for a second year will be considered in 2012 on a competitive basis.
  - It is expected that 8 pilot projects will be awarded for 2011.

\*NIH STANDARD DUE DATES CITED ABOVE

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

<i>renewal, resubmission, revision</i>	<i>12-Mar</i>	<i>12-Jul</i>	<i>12-Nov</i>
<b>All AIDS and AIDS-Related</b> Applications (for mechanisms cited above)			
<i>All - new, renewal, resubmission, revision</i>	<b>7-May</b>	<b>7-Sept</b>	<b>7-Jan</b>

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](mailto: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.