

2011-12 Georgia Tech – Children’s Seed Grant Program: Request for Applications (RFA)

Applications Due By: 5:00 p.m. EDT July 25th 2011

Program Description

Children’s Healthcare of Atlanta (Children’s) and the Health Systems Institute (HSI) are pleased to request applications for pilot research projects with the potential to improve healthcare quality, value, and health outcomes for pediatric populations. The program provides seed funds to support collaborative and interdisciplinary projects that will help stimulate innovative healthcare research and promote improvements in healthcare delivery. These awards are specifically designed to provide funding for novel projects that demonstrate a high degree of overlap with the programmatic objectives and the mission of the sponsoring organizations, as well as demonstrated potential to leverage seed funding into extra-mural support and result in high quality peer-reviewed publications.

Research Priority Areas

Funding will be focused on the priority areas listed below.

1. Computing and Information Technologies with Healthcare Applications
 - a. Data Management and health IT
 - b. Security and Privacy of Electronic Medical Records
 - c. Data mining or bio-statistical techniques to address health questions
 - d. Novel uses of consumer technologies in service of healthcare
2. Human Centered Design for Healthcare Technologies & Spaces
 - a. Interaction Techniques for Patient Adherence and Behavior Change
 - b. Architectural Design and Modeling for Health Outcomes
 - c. EHRs and PHRs for the Patient-Centered Medical Home
 - d. Media Technologies for Patient-Centered Care.
3. Health/Wellness Promotion
 - a. Environmental Health
 - b. Chronic Disease Management
 - c. Obesity Reduction & Nutrition Promotion
 - d. Transition of Care Strategies
4. Clinical Outcomes and Quality of Care
 - a. Demand Management & Patient Flow
 - b. Financial Modeling of Clinical Data (e.g. Medicaid)
 - c. Disparities in Healthcare

Eligibility Criteria

One of the main goals of this program is to promote collaborative research between Georgia Tech and Children’s. Therefore, proposed interdisciplinary collaborations must involve at least one investigator from Georgia Tech and one investigator from Children’s. Children’s Investigators can be based at any one (or more) of the Children’s facilities, and can include clinicians with appointments at Emory. The research should relate directly to the research priority areas described above and have demonstrable applications in

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healthcare. The objectives of the project should also include an outcome that will benefit patients and/or lead to improvements in healthcare delivery.

Program Organization

A maximum of \$50,000 will be awarded to each winning project, for a duration of one year. It is anticipated that 3-4 projects will be awarded in the 2011-12 cycle.

Proposal Requirements

The grant proposal must include the following components.

- 1) **Cover/Face Page** – Please use the PHS 398 Face Page
The PHS 398 Face Page can be found at the following link:
<http://grants2.nih.gov/grants/funding/phs398/phs398.html>.
- 2) **Description of the proposed project** following the outline provided below and **not to exceed 5 pages**.
 - a. *Research Problem or Hypotheses and Specific Aims*
A brief description of the research problem that will be addressed or the proposed hypotheses that will be investigated. A brief description of the contribution to the field. Citations of relevant work as appropriate.
 - b. *Research Methods*
A brief description of the methods that will be used to address the research problem or specific aims.
 - c. *Expected Outcomes*
A brief description of tangible and measurable benefits that the proposed work is likely to produce.
A brief description of the positive health/wellness outcomes that the project is aiming to address.
 - d. *Schedule*
A brief research plan with clear milestones (per quarter) that will be used to measure progress.
 - e. *Collaboration Plan & Leveraging of Resources*
A brief plan describing how the research team will collaborate on the proposed project and how this project will lead to sustained collaborations between the partnering organizations.
 - f. *Dissemination and Evaluation*
Brief plan for evaluation of research and plans for dissemination of proposed research.
 - g. *Plan for extra-mural funding*
A brief description of the plan to pursue other sources of funding for the proposed work and a timeline for this.
- 3) **Budget & Budget Justification**: Please provide an itemized budget for funds requested. Funds may be used for modest salary and fringe benefit support for faculty; support for graduate students and other research staff; but **MAY NOT** be used for general staff or administrative support. Operating supplies, minor equipment items, and travel directly associated with the research activity are also eligible for support. Indirect (F&A) costs and publication expenses will not be supported. Proposal budgets are expected to be a maximum of \$50,000 for one year. Investigators should submit a separate budget for each of the participating units. Investigators are also required to submit a detailed justification of all items requested in the budget.

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- 4) **Biographical Sketches:** Include biographical sketches for senior research personnel on the project formatted in accordance with NIH or NSF requirements. **PLEASE NOTE:** If using the NSF format, please submit information on current and pending funding for **ALL SENIOR PERSONNEL** on the project.

The NIH Biographical Sketch Format page and instructions can be found at: <http://grants2.nih.gov/grants/funding/phs398/phs398.html>.

Instructions on NSF guidelines can be found within the NSF Grant Preparation Guidelines (GPG) at: http://www.nsf.gov/pubs/gpg/nsf04_23/2.jsp.

- 5) **References:** References and citations may be used in support of the description of the research problem or proposed methods. While there is no page limit for references, this section should only include bibliographic citations and may not include information beyond the scope of the research description.

PLEASE NOTE: Budget, Budget Justification, Biographical sketches and References will not be counted towards the 5-page limit for the research description (additional pages are allowed for these sections).

6) **Other Requirements & Guidelines (only for projects that receive funding)**

- Submission of a research proposal to a federal, state, private, or corporate funding agency that advances the research beyond the initial pilot funding. Investigators have up to a year after the end of pilot funding to apply for extramural funding.
- The investigative team (under the guidance of the PI) is responsible for seeking, and obtaining all necessary IRB approvals, if any work with Human Subjects is involved.
- Submission of a report upon completion of the funding period.
- Provision of content describing the work to be displayed on the HSI and/or Children’s Pediatric Research websites and permission to display the content.
- Acknowledgment of this Pilot funding in research products stemming from the work.
- **INTELLECTUAL PROPERTY:** If awarded, Intellectual Property that is a direct result of this funding will be subject to the Children’s/Emory/GT Intellectual Property Agreement. For more information on this, please contact, Ms. Lauren MacLanahan at the Office of Technology Licensing at Georgia Tech (Lauren.MacLanahan@gtrc.gatech.edu); or Ms. Kristine Rogers, Director of Research at Children’s (Kristine.rogers@choa.org).

Submissions

Proposals must be submitted as a PDF document through the HSI electronic submission system: <http://www.hsi.gatech.edu/seedgrantcfp/> NO LATER THAN 5:00 p.m. EDT on July 25th 2011

Program Schedule

Applications Due: July 25th 2011

Awards Announced: August 8th 2011



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Review Criteria

Proposals will be reviewed by a number of professionals in fields related to the research priorities on the basis of innovation and scientific merit of the proposed work, strength of the research team, collaboration plan, potential for obtaining extramural funds and effective use of pilot funds.

For Additional Information, Please Contact:

Lalita Kaligotla lalita@hsi.gatech.edu OR

Stacy Heilman @ sheilma@emory.edu

For **technical matters related to the electronic submission system**, please contact: helpdesk@hsi.gatech.edu.