

Budget Detail Request - Fiscal Year 2016-17

Your request will not be officially submitted unless all questions and applicable sub parts are answered.

1. Title of Project: All Children's Hospital Pediatric Research Zone
2. Date of Submission: 01/04/2016
3. House Member Sponsor(s): Chris Sprowls

4. DETAILS OF AMOUNT REQUESTED:

- a. Has funding been provided in a previous state budget for this activity? Yes
If answer to 4a is ?NO? skip 4b and 4c and proceed to 4d
- b. What is the most recent fiscal year the project was funded? 2015-16
- c. Were the funds provided in the most recent fiscal year subsequently vetoed? Yes
- d. Complete the following Project Request Worksheet to develop your request (Note that Column E will be the total of Recurring funds requested and Column F will be the total Nonrecurring funds requested, the sum of which is the Total of the Funds you are requesting in Column G):

FY:	Input Prior Year Appropriation for this project for FY 2015-16 (If appropriated in FY 2015-16 enter the appropriated amount, even if vetoed.)			Develop New Funds Request for FY 2016-17 (If no new Recurring or Nonrecurring funding is requested, enter zeros.)			
	Column: A	B	C	D	E	F	G
Funds Description:	Prior Year Recurring Funds	Prior Year Nonrecurring Funds	Total Funds Appropriated (Recurring plus Nonrecurring: Column A + Column B)	Recurring Base Budget (Will equal non-vetoed amounts provided in Column A)	INCREASED or NEW Recurring Requested	TOTAL Nonrecurring Requested (Nonrecurring is one time funding & must be re-requested every year)	Total Funds Requested Over Base Funding (Recurring plus Nonrecurring: Column E + Column F)
Input Amounts:	0	2,000,000	2,000,000	0	2,000,000	0	2,000,000

- e. New Nonrecurring Funding Requested for FY 16-17 will be used for:
 Operating Expenses Fixed Capital Construction Other one-time costs
- f. New Recurring Funding Requested for FY 16-17 will be used for:
 Operating Expenses Fixed Capital Construction Other one-time costs

5. Requester:

- a. Name: Amy Maguire
- b. Organization: All Children's Hospital Johns Hopkins Medicine
- c. Email: amymaguire@jhmi.edu
- d. Phone #: (727)767-2394

6. Organization or Name of Entity Receiving Funds:

- a. Name: Amy Maguire
- b. County (County where funds are to be expended) Pinellas
- c. Service Area (Counties being served by the service(s) provided with funding) Statewide

7. Write a project description that will serve as a stand-alone summary of the project for legislative review. The description should summarize the entire project's intended purpose, the purpose of the funds requested (if request is a sub-part of the entire project), and most importantly the detail on how the funds requested will be spent - for example how much will be spent on positions and associated salaries, specifics on capital costs, and detail of operational expenses. The summary must list what local, regional or statewide interests or areas are served. It should also document the need for the funds, the community support and expected results when applicable. Be sure to include the type and amount of services as well as the number of the specific target population that will be served (such as number of home health visits to X, # of elderly, # of school aged children to receive mentoring, # of violent crime victims to receive once a week counseling etc.)

All Children's Hospital is one of only three statutorily defined children's hospitals in Florida and is dedicated to the health and well-being of children and their families. Pediatric research and finding the cures for pediatric diseases is a priority for All Children's as defined in the hospital's mission statement. Through the partnership with Johns Hopkins Medicine, All Children's commitment to research collaboration has continued to grow in neurology, cancer, metabolomics, and genetics. As a regional referral center for children with some of the most challenging medical problems, All Children's serves children from every county in Florida, 30 states, and 15 countries. While the main hospital campus is located in St. Petersburg, All Children's has a network of 11 strategically located outreach care centers that provide diagnostic, rehabilitation and subspecialty care services to communities throughout a 17 county service area on the West Coast of Florida.

The \$2 million All Children's received in FY 2014-15 from the State of Florida made a direct impact on job creation in the area of pediatric research. The funds were used to hire 23 clinical and research employees, expand physician roles in research, as well as infrastructure and capital to support research initiatives. The primary areas of research impacted by these funds include the Institute for Brain Protective Sciences, childhood onset disease-specific cohorts of acute and chronic conditions (such as asthma and epilepsy), health children research cohorts, and the biorepository and metabolomics determinants core.

Since All Children's integration with Johns Hopkins Medicine in 2011, the impact of the world-class research and teaching for which Johns Hopkins Medicine is renowned has had an enhancing impact on All Children's clinical and research environment, and a number of innovative new programs and infrastructure for pediatric research have been rapidly growing on the All Children's Hospital Johns Hopkins Medicine campus. All Children's Research Program currently employs

over 25 research staff providing clinical, laboratory, informatics administrative and fiscal services supporting close to 300 Institutional Review Board (IRB) approved studies. With ACH's commitment to expand collaborations with Johns Hopkins physician and faculty researchers, the research enterprise is at a dynamic point in programmatic and infrastructure growth that has implications for pediatric health care and economic development in this geographic area. As a not for profit teaching and research children's hospital, All Children's Hospital is also an economic engine. With an impact of \$617 M indirect and direct impact to Florida, All Children's is proud to increase healthcare business in Florida.

The research funding supports the following:

Biorepository

The JHM Pediatric Biorepository at ACH is the only CAP-accredited Biorepository devoted to pediatrics in the state of Florida. Specimens in the Biorepository are stored in three robotic sample access management freezers, which maintain temperatures of - 80 °C or lower for long-term specimen preservation. Each freezer is capable of storing 30,000 specimens and can quickly sort, reorganize and retrieve them. Two other freezers in the Biorepository utilize liquid nitrogen and keep samples at - 150 °C. The Biorepository represents an excellent collaboration tool, facilitating pediatric biomedical discovery (particularly work in prognostic biomarkers aimed at optimizing therapies and outcomes) conducted by multidisciplinary teams of investigators across ACH JHM and numerous partnering institutions. It serves as the main biobanking facility for several ACH and multi-institutional studies, including an international pediatric clinical trial. The Biorepository offers efficient, compliant, and high-quality processing, cryopreservation, and storage services and expertise across a range of biospecimens including sera, plasma, DNA, RNA, saliva, cerebral spinal fluid, viable peripheral blood mononuclear cells, and (in late 2015) solid tissue.

Clinical and Translational Research Organization (CTRO)

The ACH-JHM CTRO was established to facilitate clinical and translational research development in pediatrics with reach throughout the region. It provides a centralized infrastructure to enhance and support the design, execution and oversight of clinical and translational research, in fulfillment of the research mission of ACH JHM. This mission is to improve the health of children by providing patients and health care professionals with access to innovative research opportunities to advance the diagnosis, treatment and prevention of pediatric-onset diseases and their adverse outcomes. The CTRO offers several core resources and services to the ACH JHM community, including Research Operations, Research and Grants Administration, Database Design and Data Management, Study Design and Analysis, Biorepository, Investigational Drug Services and Regulatory Affairs and Quality Assurance.

Molecular Determinants Center

The Molecular Determinants Center (MDC) at All Children's will be a focal point for the support of pediatric research by implementing state-of-the-art technologies to measure the function of metabolism and several pathways of disease simultaneously. Specifically, the MDC will support a broad range of basic pediatric research spanning from neurological and cardiovascular disease to complex etiologies like understanding childhood obesity. An additional \$2 million in support of the pediatric research zone at All Children's was included in the 2015-2016 budget thanks to champions in the House and Senate. In February 2015 the Governor and Department of Economic Opportunity issued a press release exclaiming the success of the program and in support of the \$2 million All Children's received. Unfortunately, the \$2 million included in the 2015-2016 budget was vetoed.

If received, a recurring \$2 million investment from the State will go to support and enhance our mission of finding cures for pediatric diseases, as well as contribute to Florida's economy. Pediatric clinical research is the most successful and enduring means of improving outcomes of sick children. No scientific discovery, and no new medication or medical device, can benefit ill children without first being subjected to rigorous scientific pediatric clinical research. While the importance of medical research to the diagnosis and treatment of diseases has long been recognized, the importance of pediatric-specific research has only been recognized in the past several decades. Children are continuing to be cared for with medication and treatments that are based on adult medical research, and we do not know what the long-term impact of some of these drugs and treatments are on the developing minds and bodies of children. This is why research designed and conducted with the pediatric population is so important. The purpose of the pediatric research funding is to bring high paying, specialized health and biohealth jobs to Florida.

a)Target Population: 1. Children. Healthy, ill and chronically ill requiring research. 2. Future generations of children who may suffer from diseases including but not limited to genetic disorders, cancer, heart. 3. Research professionals who would relocate to Florida. 4. Biohealth Companies that see what Florida is doing

b)Benefit to the State of Florida: Positioning Florida to be a leader in the biohealth industry. Pediatric research is critical for healthy, ill and chronically ill children. All Children's has the only pediatric biorepository in the state. Researchers across the nation are recognizing this jewel and including Florida (ACH) as hubs of their research. As ACH recruits these coveted professionals, they are coming to Florida and experiencing the state's focus on research. They are sharing our successes and activities with institutions across the US. The addition of health focused jobs is a great benefit to the state. These researchers have brought 3-7 additional research positions with them. These individuals are purchasing/have purchased homes in Florida. They are enrolling their children in our schools and contributing to the economy. Economic development is built on successes within a state. This program continues to generate interest in Florida. This program is the impetus for future research in Florida.

c)Return on Investment: All Children's Hospital is one of the region's largest employers and has continued to grow and hire healthcare professionals even during the economic downturn. Since 2009, we have added close to 500 new team members. Nationally recognized Economic Research consultant, Appleseed, reports that for every \$1 invested in research, the national quantified return on investment is \$2.25. The state's anticipated return on investment from this appropriation is \$4.5M per year.

Success has already been experienced due to the previous State support. ACH has hired nationally recognized research teams from across the nation. We are already seeing success in some of the research being conducted. In addition, ACH regularly receives calls asking for more information about economic activities and interest. Our investment in research not only benefits Florida's children, but supports the State's economy. Pediatric researchers at All Children's are focused on producing innovative research to advance diagnosis, treatment and prevention of pediatric disease and these funds will allow us to further these efforts at an exponential pace while benefitting Florida's economy.

The previous funds received directly impacted:

Centrifuge, purchased and the Biorepository Core SAM

Newly Designated Personnel -

Biorepository Core - Biorepository Director

Biorepository Core - Biorepository Section Supervisor/Manager

Biorepository Core - Biomarker and Specimen Processing Technician/ Biorepository Technologist

Cancer Institute Director

Cancer Institute ? Research IT Systems Analyst

Clinical & Translational Research Organization (CTRO) - Biostatistician/Epidemiologist

Clinical & Translational Research Organization (CTRO) - Data Regulatory Specialist

Institution wide Prospective Inception Cohort Studies (IPICS) Research Core- iPICS/Obesity Research

Analyst/Research Technician

Metabolic Determinants Core Laboratory Director

8. Provide the total cost of the project for FY 2016-17 from all sources of funding:

Federal: 0

State: 0 (Excluding the requested Total Amount in #4d, Column G)

Local: 0

Other: 10,000,000

9. Is this a multi-year project requiring funding from the state for more than one year?

Yes