



RESEARCH update

April 2009

Improving ACHRI's Facilities and Programs for Kids

At the Arkansas Children's Hospital Research Institute (ACHRI), researchers and staff work diligently to conduct and support research that will ultimately change children's lives. In seeking tomorrow's miracles, the institute must continue to improve its facilities and programs. State-of-the-art research requires state-of-the-art technology, equipment, and facilities.



Four new large, open style laboratories on ACHRI's second floor will be completed in May.

ACHRI's biomedical research programs have expanded dramatically during the past decade. The institute's total external funding exceeds \$21 million, twice the funding received in 1999. Over 100 researchers submitted applications for grant funding through the institute's administrative offices in 2008. To keep up with the rapid pace of research expansion on campus, several projects to improve and expand facilities and resources are currently underway.

Soon ACHRI will have 6,000 square feet of new space on the research building's second floor. In mid May, a project to finish shell space that was constructed in 2006 will be complete, yielding four large, open style laboratories, sometimes referred to as team research laboratories. Together, these four laboratories will accommodate approximately twelve researchers. Additionally, the space will include a tissue culture room and a large equipment room.

In response to one of the National Institutes of Health (NIH) funding opportunities supported by the American Recovery & Reinvestment Act of 2009, ACHRI is preparing a proposal requesting funds to add two floors to the research building and to finish out the shell space in the Arkansas Children's Nutrition Center. The proposal will be submitted to NIH in June. If the project is funded, the construction will begin next spring. If the project moves forward, it will be the third major facility expansion project since the institute first opened its doors in 1992.

ACHRI is also preparing a proposal requesting approximately \$500,000 from NIH to purchase a heavy duty, large capacity tunnel washer and rack washer used for cleaning cages, bottles, and other items used in the care of laboratory animals. The age and condition of the animal facility's cage washing equipment drive the need for this proposal. Because the institute's budget has taken a major hit with the recent expense of \$1.4 million for brick repair on the building's exterior wall, receipt of grant funding is critical. In addition, funds will be used to replace the flooring in the animal facility's large washing area. This proposal will be submitted to NIH in May.

These projects are important as they are directly related to research that impacts the lives of children. One project at a time, our facilities grow and improve so that we can do more for kids. At ACHRI, miracles begin.

President's Choice

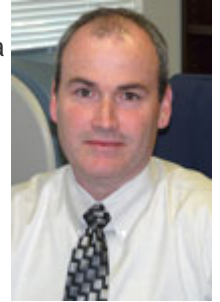
Stop by the bulletin board located in the first-floor lobby of the ACHRI building to see this month's President's Choice publications. The following articles were selected as this month's feature publications.

- James SJ, Rose S, Melnyk S, Jernigan S, Blossom S, Pavliv O, Gaylor DW. Cellular and mitochondrial glutathione redox imbalance in lymphoblastoid cells derived from children with autism. *FASEB J.* 2009 Mar 23.
- Tuzcu V, Nas S, Ulusar U, Ugur A, Kaiser JR. Altered heart rhythm dynamics in very low birth weight infants with impending intraventricular hemorrhage. *Pediatrics.* 2009 Mar;123(3):810-5.

ACHRI would like to know about your published findings, as your articles are published, please email or mail a copy to [Phaedra Yount](#) (mail slot 842). The number of publications by our researchers is reported to the hospital and ACHRI boards, so it is important that we receive an accurate count of the publications your research produces. To see all recent publications by ACHRI researchers and their collaborators, please visit the [publications web page](#).

Director of the Biostatistics Program Arrives!

Todd G. Nick, PhD, the new Director of the Biostatistics Program in the UAMS Department of Pediatrics, started on March 30. He comes to us from Cincinnati Children's Hospital Medical Center where he was a Professor of Pediatrics in the Division of Biostatistics and Epidemiology. Previous to his 4-year stint in Cincinnati, Dr. Nick was a Professor at the University of Mississippi Medical Center in Jackson for 12 years. He earned his PhD in Biometry from the Louisiana State University Health Sciences Center in New Orleans. Recently, Dr. Nick was named Chair-Elect of the Statistical Consulting Section of the American Statistical Association. He serves on the editorial board of the journal *Pharmacogenetics and Genomics* and has served on study sections for NIH and CDC. A native New Orleanian, Dr. Nick moved to Little Rock on March 29. You can reach him via email at tgnick@uams.edu.



Emails Bouncing Back or Not Received?

Please be aware that we have heard numerous reports of emails to individuals with UAMS addresses getting lost or bouncing back with messages "undeliverable." One of two things might be happening. **#1)** Your Microsoft Outlook may be operating in cache mode and is not pulling the most current email address/account information from the global address book. Changing the setting from cache mode takes only a minute and Techsource (phone: 364-5299) will be happy to walk you through making the change. **#2)** If you are using the autocomplete feature (you type a couple letters of a name in the address bar and a list pops up with a few names to select from), you may need to go to the global address book and select the person's name to ensure you are using the most recent email address since the most current address might not pop up with the autocomplete feature.

Several ACHRI staff members have had recent changes to their email accounts and have learned that emails to them have been returned or lost. If you have sent an email to one of them and you have not received a response in a reasonable amount of time, please verify that your email was received.

Advertise Your Clinical Trial on the ACH Website

Are all of your potential research subjects aware of your clinical trial? An excellent tool you can use to recruit participants for your studies is available at www.archildrens.org/research. This website lists currently enrolling studies, so interested parents can contact you about possible participation. To have your study included on the website, you must have received IRB approval for your study advertisement. Once you have done so, please email a copy of the approved material and a completed [Clinical Trial Website Form](#) to [Rebecca Myrick](#) or call her at 364-3577.

Administrative Supplements to Provide Summer Research Experiences for Students and Science Educators

NIH has \$21 million from the American Recovery and Reinvestment Act of 2009 available to facilitate educational opportunities for students and science educators in laboratories holding active NIH grants. These administrative supplements providing summer research experiences for students and science educators are now available on an expedited basis to those with active NIH research grants.

Consider working with one or more of these individuals in your laboratory this summer, as well as next summer. Salary support plus a modest amount of supplies would come from the administrative supplement to your research grant. You may apply for the supplement immediately without identifying these individuals. Follow the instructions in the NIH Guide Notice [NOT-OD-09-060](#) to apply for funds that will support these employment opportunities for students and science educators.

Be sure to consult with your NIH project officer to learn about your supporting Institute's participation in this program. Eligibility, priorities, and deadlines will vary across NIH. Contact [John Gregan](#) (364-6296) at ACHRI if you need to discuss your interest in applying for one of these administrative supplements. ACHRI staff can assist you with preparation of the supplement and with finding a student if an award is made.

Compliance Corner: Read Any Good Approval Letters Lately?

You have submitted a new project, modification, or continuing review to the IRB. When you receive your approval letter, take a moment to make sure it is correct. If you submitted several documents at one time, one or more may have been left off of the approval letter, or the date or version number shown for a particular document might not be correct. If you notice that something is incorrect in an approval letter, get in touch with the IRB and ask for a corrected letter. That way you'll have documentation showing that you're using the correct, approved version of each study document. Until you have a

correct approval letter from the IRB to use a certain document, that document is not approved for use. If you have any questions, contact the IRB office or Margie Brackeen at ACHRI 364-3586 or brackeenmargie@uams.edu.

New Procedure for Requesting an ARIA Username and Password

The IRB is in the process of streamlining their procedures. As part of this initiative, they have instituted a new procedure for requesting an ARIA username and password. First, you must have current Human Subject Protection Training through the CITI program. Go to www.citiprogram.org and affiliate with ACHRI during your sign-up process. Once you have completed your training, simply go to www.uams.edu/orc, complete an "ARIA Account Creation/ Modification Request form", and follow the directions which accompany it.

ACHRI Address Change

With the dedication of Children's Way (formerly Marshall Street), ACHRI has a new street address: 13 Children's Way. Use this address on grant applications submitted through ACHRI. Refer to the [sample SF 424](#) with ACHRI information at our Web site to view the change for NIH submissions.

Review your clinicaltrials.gov submission every six months!

Do you have a study on clinicaltrials.gov? Take a moment today to put a reminder in your calendar to check your submission every six months. Not only is this required, but just good practice. Protocol records for active trials should be reviewed or modified as needed at least every six months. **Pay special attention to the recruiting status and contact information** as the accuracy and timeliness of this information is extremely important to patients and health care professionals. Update the record's verification date (via the Edit Protocol screen) to confirm the record has been reviewed.

UAMS Conflict of Interest and Gift Policies Frequently Asked Questions

UAMS recently posted to their intranet site the answers to frequently asked questions regarding the UAMS Conflict of Interest and Gift Policies. If you have questions regarding these policies, please review the FAQ list so see if your question has been answered. [Click here to view the list.](#)

Wanted: Researcher Profiles!

Last month there were almost 900 page visits to ACHRI's "Our Researchers" index page. These views were from many of the over 1,800 unique visitors to ACHRI's Web site. Would you like to add your researcher profile to our Web site? If so, send [John Gregan](#) the following information: your title, a paragraph about your research interests and accomplishments, a list of your current research funding, appropriate contact information, and a list of five key publications. Include a current digital photograph if you have one available. You can view the profiles we've developed here: <http://achri.archildrens.org/researchers/faculty.htm>.

If you already have a profile at our web site, contact John if you need to revise it in regards to accomplishments, publications, and funding.

Upcoming Educational Opportunities There are several on-campus educational opportunities scheduled in the next couple months. Some of the topics are listed below. Learn more about these opportunities and others at <http://achri.archildrens.org/resources/calendar.htm>.

- Clinicaltrials.gov: Your Guide to Filing and Complying
- Human Subject Research Study Start-Up at ACHRI
- Challenges of Enrolling Non-English Speaking Subjects in Research
- Navigating Your New Submission in ARIA

Research Day 2009: Celebrating the Scholarship of Education, Evidence-Based Practice and Research

The Arkansas Children's Hospital Nursing Division is a co-sponsor of an annual nursing research conference, Research Day 2009: Celebrating the Scholarship of Education, Evidence-Based Practice and Research. The conference is a joint effort of Arkansas Children's Hospital Nursing Division, UAMS College of Nursing, UAMS Medical Center, Central Arkansas Veteran's Healthcare System, and the Gamma Xi Chapter of Sigma Theta Tau International. The conference will be held on April 24, 2008, on the UAMS campus. Thirteen ACH nurses are presenting their work including Lori Brown, Angela Green, Amy Hester, Luann Jones, Janie Kane, JoAnne Kaye, Karalyn Kerby, Angie McJunkins, Tyra Mogenson, Jessica Parent, Beth Scotter, and Lisa Spikes. More information about the program and registration for Research Day 2009 is at <http://nursing.uams.edu/RESEARCH%20DAY%202009%20Program.docx>.

Funding Opportunities

The National Association of Children's Hospitals (NACH) prepares and distributes upcoming funding opportunities every two weeks. Funding opportunities recently distributed by the NACH are available on the ACHRI web site (http://achri.archildrens.org/resources/funding_opp.htm). This file is updated monthly. Bookmark the page! The listing of funding opportunities is located on the intranet; you must have access to MyACH vault files to open the file.

New Industry-Sponsored Projects

Clinical Trials	Agency	Project Period	Total Cost
Stephen Kemp	Altus	3/09 - 12/10	\$80,400.00
Karen McNiece	Merck	3/09 - 2/10	\$38,194.00

Recent Grant Submissions

PI	Agency	Project Title	Project Period	Total Funding
Sarah Blossom	NIH	Mechanisms of Trichloroethylene-Induced T-Cell Alterations and Adverse Neurological Outcome	12/1/09-11/30/11	\$398,250.00
Kathleen Gilbert	NIH	Determining how Trichloroethylene Alters CD4t T-Cell Function	8/1/09-7/31/12	\$1,102,500.00
Reza Hakkak	DOD	Effects of Anti-Obesity Dietary Supplement DHEA on Breast Cancer Development	9/1/09-8/31/11	\$551,250.00
Laura James	NIH	PPRU Bridge Funds	1/1/09-12/31/09	\$294,341.00
Charles Lumpkin	NIH/NIAAA	Aging & Skeletal Regeneration: Comparative Therapeutics	2/1/2010-1/31/12	\$735,500.00
Tamara Perry	RWJ	School-based Telemedicine for Rural Education on Asthma Management (STREAM)	1/1/10-12/31/14	\$420,000.00
Ronald Sanders	NIH	Endothelial Progenitor Cells in Pediatric Acute Lung Injury	12/1/09-12/1/14	\$1,355,945.00
Rosalia Simmen	NIH	Uteroferrin Gene Expression During Development	4/1/09-1/31/10	\$145,364.00
Michael Stroud	NIH/NICHD	Goal-directed Resuscitative Interventions during Pediatric Inter-facility Transport (The GRIPIT Trial)	7/1/09-6/30/11	\$206,548.00