



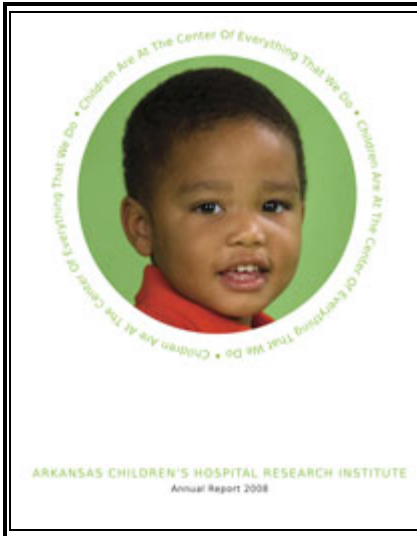
...where miracles begin



RESEARCH UPDATE

December 2008

ACHRI's 2008 Annual Report: Children Are at the Center of Everything That We Do



To emphasize the basis of our research endeavors, ACHRI titled its annual report this year “[Children Are at the Center of Everything That We Do](#)”. The report provides an overview of research revenue and milestones for the Institute. It also presents the accomplishments of ACHRI researchers through features describing the impact of their pediatric research and through highlights chronicling their achievements over the past year. ACHRI uses the report to provide information about itself to our board of directors, research community, ACH, donors and other supporters, as well as the public.

Taking a moment to review the report shows numerous accomplishments and undertakings by ACHRI researchers and staff. The report documents these activities in features and an extensive list of research highlights. The report reflects ACHRI's diverse research expertise, ranging from basic science to clinical and community-based research, and shows how ACHRI researchers are improving the health of children, families, and their communities through clinical, basic science, health promotion, health outcomes, health services, and prevention research. New to this year's annual report, you will now find details of the recent Summer Science Program students.

In an introduction to the report, Dr. Richard F. Jacobs states, “In the last decade, research funding for the institute has doubled, and in fiscal year 2008, ACHRI's research funding reached \$21 million.” This progress is a great achievement that we continue to build upon. Dr. Jacobs notes this progress “would not have been possible without the dedication of our supporters, our board of directors, our researchers, and our staff.”

In case you're wondering who that handsome young man you see on the front of the report is, he's Preston Perry, son of Dr. Tamara Perry.

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.

- Chen JR, Lazarenko OP, Haley RL, Blackburn ML, Badger TM, Ronis MJ. Short term effects on bone quality associated with consumption of soy protein isolate and other dietary protein sources in rapidly growing female rats. *Exp Biol Med* (Maywood). 2008 Nov;233(11):1348-58.
- Badger TM, Ronis MJ, Wolff G, Stanley S, Ferguson M, Shankar K, Simpson P, Jo CH. Soy protein isolate reduces hepatosteatosis in yellow Avy/a mice without altering coat color phenotype. *Exp Biol Med* (Maywood). 2008 Oct;233(10):1242-54.

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](#).

SPORT Obesity Prevention Program Unveils Web Site

To support the efforts of SPORT (School Partnership for Obesity Research and PrevenTion), a school-based physical activity and nutrition program, in its participating schools, Dr. Judy Weber and her research team from the Center for Applied Research and Evaluation (CARE) have recently launched a Web site: www.mysportkids.com. The site provides access to information to help increase physical activity and healthy eating for the two schools participating in SPORT, Martin Luther King, Jr., and Pulaski Heights Elementary Schools in Little Rock, but is applicable for all parents, children and schools. The site also serves as a resource for the Wellness Committees and SPORT Planning Committees of these schools. The site shows cumulative steps and

miles for classrooms participating in the SPORT Walking Program and the Little Rockers Marathon, and it provides information about classroom exercise breaks and the effects of sedentary activity (for example, TV watching and video/computer game playing) on children's health. A grant from the Robert Wood Johnson Foundation funds SPORT. Arkansas Action for Healthy Kids, ACHRI, Injury Free Coalition for Kids, Midwest Dairy Council, UA Cooperative Extension Service and UAMS also provide assistance for SPORT and its activities. Watch for a research feature on SPORT in an upcoming edition of Research Update.

Business Mileage Rate for 2009

The IRS has announced that the business mileage rate for **2009** will be **\$0.55**. This is a decrease from the 2008 rate of \$0.585. For travel occurring after 12/31/08, the new rate should be used when requesting mileage reimbursement.

2009 Summer Science Program - Mentors Needed

The UAMS Department of Pediatrics and ACHRI are again co-sponsoring the Summer Science Program. The program is intended to give upper level college students experience in working in medical research and a view of medicine in general. The program lasts ten weeks during the summer. To learn more about the program and to download the mentor or student application, please visit the program web page at <http://achri.archildrens.org/Education/SummerScienceProgram.htm>.

Applications are due no later than **March 2, 2009**. Please forward completed applications to Jenny Kubacak, Summer Science Program Coordinator, at 364-6527.

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 Grogan](#) 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.

Recent Awards and Submissions

Awards				
PI	Agency	Project Title	Project Period	Total Funding for All Years
Charlotte Hobbs	CDC	Centers for Birth Defects Research and Prevention (CBDRP)	12/1/08-1/30/13	\$5,000,000
Submissions				
PI	Agency	Project Title	Project Period	Total Funding
Judith O'Connor	NIH sub Washington University	Childrens U01	1/1/09-12/31/13	\$658,278
Kathleen Gilbert	NIH	Determining how Trichloroethylene Alters CD4t T Cell Function	4/1/09-3/31/12	\$1,102,500
Reza Hakkak	DOD	Effects of Anti-Obesity Dietary Supplement DHEA on DMBA-Induced Mammary Cytochrome p450 Expression	7/1/09-6/30/10	\$110,250
Rosie Simmen	NIH/NICHD	Uteroferrin Gene Expression During Development	7/1/09-6/30/14	\$2,314,432

Compliance Corner

The New Year is approaching. While looking forward to the activities of the months to come take a moment to review your assets and commitments to make sure that you do not have any new conflicts of interest.

ACHRI's Conflict of Interest policy can be found at: http://achri.archchildrens.org/resources/policies/conflict_interest.doc
UAMS their Conflict of Interest policy in November 2007 and it can be found at:
<http://www.uams.edu/orsp/COI%20policy%2011%201%2007%20final%20academic.pdf>

Dissecting Research Misconduct (a 3-part series)

The Office of Research Integrity defines Misconduct as: "...fabrication, falsification, or plagiarism in proposing, performing, or reviewing research, or in reporting research results..."

As a general working definition, ORI considers plagiarism to include both the theft or misappropriation of intellectual property and the substantial unattributed textual copying of another's work. It does not include authorship or credit disputes.

The theft or misappropriation of intellectual property includes the unauthorized use of ideas or unique methods obtained by a privileged communication, such as a grant or manuscript review.

Substantial unattributed textual copying of another's work means the unattributed verbatim or nearly verbatim copying of sentences and paragraphs which materially mislead the ordinary reader regarding the contributions of the author. ORI generally does not pursue the limited use of identical or nearly-identical phrases which describe a commonly-used methodology or previous research because ORI does not consider such use as substantially misleading to the reader or of great significance.

Look in the January and February editions of this publication for an elaboration on falsification and fabrication!

ACHRI Investigator Meeting

The next ACHRI Investigators' meeting will be held February 11 in the Brandon Auditorium at 11:30 a.m. Lunch will be provided to the first 50 attendees.

The [October meeting PowerPoint presentation](#) is available at the ACHRI web site.

Funding Opportunities

Please note that if you are interested in applying for funding to one of the foundations described below, you will need to notify Lee Smith as early as possible. Some private funding agencies will not accept multiple applications from an institution during a given funding cycle. In the event that we have interest from multiple researchers, the ACHRI Scientific Advisory Board may be asked to select an applicant.

- **Heineman Foundation Provides Seed Money to Start-Up Projects**

The purpose of the Heineman Foundation is to provide seed money to start-up projects and new projects within existing organizations for a maximum of three to five years. The average range of our donations is \$20,000.00 to \$50,000.00, per annum. Applications/Proposals must be submitted no later than September 1st.

The Foundation's has several general areas of interest, including research into prevention of and treatment for childhood illnesses.

- **Feldstein Medical Foundation Launches First Grant Cycle - Deadline: February 15, 2009**

The Feldstein Medical Foundation (<http://www.feldsteinmedicalfoundation.org/>), a private foundation created to promote and advance previously neglected areas of medical research, is currently accepting Letters of Intent for its first grant cycle. FMF will fund individual re- search projects for periods of either one or two years, with grant amounts ranging up to \$75,000 per year.

FMF will award grants in varied areas of medical research, including basic science, translation/implementation studies, early clinical research, and education. Although the foundation will prioritize the New York/New Jersey metropolitan area where it is based, it will also make grants on a nationwide basis.

FMF utilizes a two-step application process, beginning with a Letter of Intent. Approved applicants will be invited to submit a full grant application. Full grant applications should not be submitted without prior approval. Grant applications received by February 15, 2009, will be reviewed for the current grant cycle. The foundation's next anticipated grant cycle will conclude October 15, 2009.

- **Monthly Funding Opportunities List**

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.archchildrens.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.

Grant Writing Tip: 2009 NIH Regional Seminars on Program Funding and Grants Administration

Would you like to learn more about the National Institutes of Health's extramural program funding and grants administration? Each year NIH hosts two regional two-day seminars that provide information about the NIH funding process, from opportunity identification and application preparation through post-award administration. NIH has announced ([NOT-OD-09-012](#)) the locations and dates for its 2009 regional seminars. Presentations are targeted towards research administrators, new and experienced investigators, post docs and trainees.

- The first 2009 seminar will be held in Atlanta, Georgia, on April 16 and 17, 2009, hosted by the Georgia State University and Georgia Institute of Technology. NIH electronic research administration computer labs will be offered on Wednesday, April 15, 2009. For questions regarding registration, contact Garrett Steed at seminars@osp.gatech.edu; for logistics questions, contact Princeanna Walker at nihseminarsosp@gsu.edu. On-line registration is available on the [Atlanta - NIH Regional Seminar On-Line Registration Page](#). The seminar and workshops will take place at the Hyatt Regency Atlanta.
- The second seminar will be held in Las Vegas on June 25 and 26, 2009; co-ambassadors for the event are the University of Nevada, Las Vegas and the University of Nevada, Reno. NIH electronic research administration computer labs will be offered on Wednesday, June 24, 2009. For questions regarding registration, contact Tonilynn Coiley at tcoiley@reffect.net. On-line registration should be available in December 2008 and accessible through NIH's [Las Vegas - Save the Date Page](#)

Opportunities for informal interactions between seminar participants and NIH grants management, program, policy, and review staff are incorporated into the program and such interactions are highly encouraged. Questions on program content may be directed to Cynthia Dwyer, 2009 NIH Regional Seminar Coordinator, at dwyerc@mail.nih.gov. Links to program information and logistics from previous NIH Regional Seminars are available from the NIH Office of Extramural Research Regional Seminar Web site at: <http://grants.nih.gov/grants/seminars.htm>.

Mathematical Modeling Services for Researchers

Have you measured (or plan to measure) a variable consistently over a period of time, say growth, cell counts, cell movement, disease severity, or protein levels? Would you like to predict the outcome when you change some variables in your experiment without a complete repetition? Do you need to add extra scientific value to your grant to increase your chances of funding? If so, you may need help to develop a mathematical model for your research project. Contact Horacio Gómez-Acevedo, PhD, of the Department of Pediatrics to learn more about the advantages of mathematical modeling. He can work with you to take factors that are consistently measurable at different time points to build a model that can reinforce your conclusions and help you with some predictions on how any one of those factors can affect the outcome of your experiment. Model development is very open to various factors and applicable in many research scenarios. Contact Dr. Gómez-Acevedo at 364-4532 when you're planning your project. His early involvement can help you determine what you should measure and how to construct a model that provides support to your experimental work.

UAMS COM Research Web site and Calendar

Please take a minute or two to explore the UAMS COM Research and Web site: <http://www.uams.edu/com/research/>. The site offers a host of announcements and resources to assist UAMS faculty researchers. [Research conferences hosted by ACHRI are included on the research calendar](#). A link to the calendar can be found on the left-hand side of the [UAMS homepage](#). Linda Williams and Larry Cornett have done a fabulous job in putting this together.

Who do you call when you need Statistical Services?

For questions and requests regarding statistical services and reviews, please e-mail achbiostat@uams.edu. If you are currently working on a project with an individual in the statistics group, please copy achbiostat@uams.edu on your email correspondence with that individual.

Children in Clinical Studies Web site

A link to a web site designed to offer information about participation of children in clinical studies has been added to the ACH web site's [clinical trials page](#) and will soon be available on the CareHub system. The site, which was developed by NIH's National Heart Lung and Blood Institute, features videos of children, parents, and health care providers discussing their experiences with clinical research. This is a truly remarkable web site and we hope that you share this with families considering participation in clinical research. <http://www.nhlbi.nih.gov/childrenandclinicalstudies/index.php>