

# grants & you

a publication of the Sponsored Programs department

ATSU  
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## Congratulations – Funded

\***Janet Head, RN, MS, EdD**, KCOM AHEC Program Office, “ATSU-KCOM AHEC Point of Service Maintenance and Enhancement,” HRSA, \$305,010, Sept 2013 – Aug 2014.

\***Frederic N. Schwartz, DO, FACOFP**, and **Mara Hover, DO**, SOMA, “Advanced Training in Public Health at Community Health Center Clinical Campuses – Year 3,” HRSA, \$186,853, Sept 2013 – Sept 2014.

\***Margaret Wilson, DO**, and **Jay Danto, DO**, KCOM, and **Richard LaBaere II, DO**, Still OPTI, “Curriculum and Faculty Development in Evidence-based Medicine, Year 8,” NIH – NCCAM, \$208,462, Sept 2013 –2014.

## Good Luck – Pending Grants

\***Art Matthews, MA, LPC**, ATSU Student Services, “The Kognito Interactive Gatekeeper Training (KIGT)”, Make it Better Foundation/Cousins Subs,” \$5,320, Jan 2014 – Dec 2014.

### REMINDER:

### AOA RESEARCH GRANT DEADLINE

Faculty interested in seeking an AOA research grant under the December 2013 application deadline were to notify Sponsored Programs by mid-September. If you failed to do so, please contact our office immediately. Faculty planning to submit a grant must also have data analysis completed no later than October 16.

## BIOMEDICAL SCIENCE PROPOSALS FUNDED – \$5,000

**Seth McIntire and James Cox, PhD**, KCOM Biochemistry, “A comparison of cystatin C variances administered exogenously in the inhibition of metastasis of B16-F10 melanoma tumors.”

**Neal Springer and Neal Chamberlain, PhD**, KCOM Microbiology/Immunology, “Investigation of persister cell formation in *Staphylococcus aureus*.”

**Brett Holdaway and Yingzi Chang, PhD**, KCOM Pharmacology, “MCPIP-1 and adipogenesis.”

**Joshua Moody and Yingzi Chang, PhD**, KCOM Pharmacology, “MCPIP-1 gene knockout and hepatic lipoprotein secretion.”

**Sydney Priest and Timothy Geisbuhler, PhD**, KCOM Physiology, “The effects of hawthorn extract on antibody-induced congenital heart block.”

**Tyler Nickle and David Middlemas, PhD**, KCOM Pharmacology, “Effect of chronic corticosterone-induced depression in pre- and post-pubescent femal rats.”

**Tyler Marler and Keith Elmslie, PhD**, KCOM Pharmacology, “Characterization of voltage-gated sodium channel 1.9 in muscle afferent neurons.”

**John Harper and Vineet Singh, PhD**, KCOM Microbiology/Immunology, “Multiplex PCR investigation to periodontal pathogens.”

**Michael Young and David Middlemas, PhD**, KCOM Pharmacology, “The effects of agomelatine on juvenile rat behavior and hippocampal cell development.”

**Shawn Johnson and Raja Rachakatla, PhD**, KCOM Anatomy, “Platelet rich plasma and umbilical cord stem cells for treating cartilage defects.”

**Muhammad Hussain and Neil Sargentini, PhD**, KCOM Microbiology/Immunology, “Role of fis gene in radiation survival of *Escherichia coli*.”

**Ladonna Shaffer and William Sexton, PhD**, KCOM Physiology, “Roles of eNOS and nNOS on diaphragm PO<sub>2</sub> kinetics and contractile function.”

*Coming Soon:*

*ATSU's New Grant/Contract Application  
Internal Approval Form*

*Watch your inbox for this upcoming release!*



## Recently Released Research Grant Opportunities

The following table lists RFAs, PAs, and PARs recently released by the National Institutes of Health. If any of these opportunities are of interest to you, contact Sponsored Programs or Research Support at ext. 2860. Grant guidelines and submission deadlines for all active NIH funding opportunities are available at <http://grants.nih.gov/grants/guide/index.html>.

PROGRAM TITLE	FUNDING MECHANISM	FUNDING OPPORTUNITY NUMBER / WEB LINK
Grants for Early Medical/Surgical Specialists Transition to Aging Research (GEMSSTAR)	R03	<a href="#">RFA-AG-14-010</a>
Paul B. Beeson Clinical Scientist Development Award in Aging	K08	<a href="#">RFA-AG-14-013</a>
Paul B. Beeson Patient-Oriented Research Career Development Award in Aging	K23	<a href="#">RFA-AG-14-014</a>
NIH Director's Early Independence Awards	DP5	<a href="#">RFA-RM-13-009</a>
Improving Diabetes Management in Young Children with Type 1 Diabetes	DP3	<a href="#">RFA-DK-13-022</a>
Understanding Barriers and Facilitators to Type 1 Diabetes Management in Adults	DP3	<a href="#">RFA-DK-13-023</a>
Harvesting the Neuroimaging Cornucopia for Pancreatic Islet Imaging Reagents for Diabetes Research	DP3	<a href="#">RFA-DK-13-024</a>
2014 NIH Pioneer Award Program	DP1	<a href="#">RFA-RM-13-006</a>
2014 NIH Director's New Innovator Award Program	DP2	<a href="#">RFA-RM-13-007</a>
Health Promotion Among Racial and Ethnic Minority Males	R01, R21	<a href="#">PA-13-328</a> , <a href="#">PA-13-331</a>
Strategic Alliances for Medications Development to Treat Substance Use Disorders	R01	<a href="#">PAR-13-334</a>
Development of Appropriate Pediatric Formulations and Drug Delivery Systems	R01, R03, R21	<a href="#">PAR-13-325</a> , <a href="#">PAR-13-344</a> , <a href="#">PAR-13-326</a>
NIDCR Small Grant Program for New Investigators	R03	<a href="#">PAR-13-348</a>
Early Career Award in Chemistry of Drug Abuse and Addiction (ECHEM)	R21/R33	<a href="#">PAR-13-350</a>
Audacious Goals Initiative High Priority Research Area: Intersection of Aging and Biological Mechanisms of Eye Disease	R01	<a href="#">PA-13-332</a> ,
NLM Grants for Scholarly Works in Biomedicine and Health	G13	<a href="#">PAR-13-014</a>
Neuroscience Research on Drug Abuse	R01, R21, R03	<a href="#">PA-13-338</a> , <a href="#">PA-13-337</a> , <a href="#">PA-13-336</a>
Mechanisms of Alcohol and Stimulant Co-Addiction	R01, R21	<a href="#">PA-13-339</a> , <a href="#">PA-13-340</a>
Translational Research to Improve Diabetes and Obesity Outcomes	R01	<a href="#">PA-13-352</a>
Advancing the Science of Geriatric Palliative Care	R03, R21, R01	<a href="#">PA-13-356</a> , <a href="#">PA-13-355</a> , <a href="#">PA-13-354</a>

## American Lung Association Training Awards & Independent Investigator Awards

The American Lung Association is seeking grant applications in the following areas: 1) elimination of tobacco use and tobacco-related lung diseases; 2) improving air quality to reduce incidence/impact of lung disease; and 3) reducing the burden of asthma, COPD, and lung cancer on patients and their families. Follow the links below for full program details.

### Deadlines: NOVEMBER 12

#### TRAINING AWARDS

- [Lung Health Dissertation Grant](#) (1 grant available): \$21,000/yr.
- [Senior Research Training Fellowship](#) (8-10 grants): \$32,500/yr.

#### INDEPENDENT INVESTIGATOR AWARDS

- [Biomedical Research Grant](#) (10-12 grants): \$40,000/yr.
- [Dalsemer Research Grant](#) (1 grant): \$40,000/yr.
- [Clinical Patient Care Research Grant](#) (1-2 grants): \$40,000/yr.
- [Social-Behavioral Research Grant](#) (1-2 grants): \$40,000/yr.
- [Lung Cancer Discovery Award](#) (2 grants): \$100,000/yr.
- [American Lung Association / AAAAI Allergic Respiratory Disease Award](#) (2 grants): \$75,000/yr.



# NIH Releases New Parent Announcements for Research Grants

NIH recently released updated Parent Announcements for many of its research project grant mechanisms (R15, R03, R21, and R01) as well as their conference support program (R13/U13). In addition to the following brief summaries, full program details are available through the included hyperlinks.

Investigators are advised that competition is expected to be particularly intense due to sequestration. More than ever, proposed research topics, application documents, and investigator qualifications/biographical sketches will need to be of outstanding caliber to compete. Interested investigators are encouraged to:

1. Contact the ATSU Sponsored Programs team for help in identifying the [NIH Institute or Center \(IC\)](#) most likely to support your proposed research based on review of the each IC's updated scientific priorities/funding parameters, and
2. Provide a current biosketch detailing relevant publications and an early abstract of your proposed research project to ATSU administration (in accordance with University internal approval policy).

## **R01 – Research Project Grant (PA-13-302), no specific budgetary limit, up to 5-year project period:**

The Research Project Grant is an award made to an institution/organization to support a discrete, specified, circumscribed project to be performed by the named investigator(s) in areas representing their specific interests and competencies. Although the PDs/PIs write the grant application and are responsible for conducting and supervising the research, the actual applicant is the research institution/organization. Applicants requesting \$500,000 or more in direct costs for any year must obtain prior approval at least six weeks in advance of application.

## **R21 – NIH Exploratory Developmental Research Grant Program (PA-13-303), budget limit of \$275,000 for 2-year project period:**

This program seeks to foster the introduction of novel scientific ideas, new model systems, tools, agents, targets, and technologies that have the potential to significantly advance biomedical research. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on the designated field of research. Projects should break new ground or extend previous discoveries toward new directions or applications.

ATSU faculty have demonstrated success in competitive review and funding through the R15 and R03 programs, which are well-suited to investigators conducting

research at small universities that are not classified as Level 1 research-intensive institutions.

**R15 – Academic Research Enhancement Award – AREA (PA-13-313) Program, up to \$300,000 for 3-year project period:** This program is intended to stimulate research in educational institutions that provide baccalaureate/advanced degrees in the sciences but that have not been major recipients of NIH support. AREA grants create opportunities for scientists and institutions, otherwise unlikely to participate extensively in NIH research programs, to contribute to the nation's biomedical and behavioral research effort. AREA grants are intended to support small-scale research projects proposed by faculty members of eligible institutions, to expose students to meritorious research projects, and to strengthen the research environment of the applicant institution.

**R03 – NIH Small Research Grant Program (PA-13-304), up to \$100,000 for 2-year project period:** This program supports small research projects that can be carried out in a short period of time with limited resources. Proposed studies must be discrete and well-defined, including: pilot and feasibility studies; secondary analysis of available data sets; small, self-contained research projects; and development of research methodology and/or new research technology

**R13/U13 – NIH Research Conference Grant (R13) and NIH Research Conference Cooperative Agreement (U13) Programs (PA-13-347), no specific budgetary limit, up to 5-year project period:** This program seeks to support high quality scientific conferences that are relevant to the NIH mission and to public health. A conference is defined as a symposium, seminar, workshop, or any other organized and formal meeting, whether conducted face-to-face or via the internet, where individuals assemble (or meet virtually) to exchange information/views or explore/clarify a defined subject, problem, or area of knowledge.



## Check out the Latest Videos, Presentations, & Applicant Resources

- [Grants.gov Applicant General Overview](#) – Everything you need to know about navigating Grants.gov.
- [Grants.gov Applicant Training Video](#) – Need a quick lesson on how to Register, Find and Apply? Watch this short video to get tips on registering with Grants.gov; finding grant opportunities; understanding your search results; and, applying for opportunities. For additional questions/details, visit Grants.gov [Applicant Resources](#).

# Recent Survey Reveals that Faltering Federal Investment in Science Threatens American Research

The American Society for Biochemistry and Molecular Biology (ASBMB) has released its 2013 report on government-funded scientific research titled “[Unlimited Potential, Vanishing Opportunity](#).” The report, detailing the findings of a survey of more than 3,700 frontline scientists from all 50 states, Puerto Rico and the District of Columbia, clearly depict the broad impact of cuts to federal investments in science funding. The survey, conducted in June and July 2013 by 16 scientific societies representing a variety of scientific disciplines, asked questions regarding cuts to nondefense discretionary spending by Congress since 2010. These cuts reached a historic low in March with sequestration.

“For the first time, we are able to definitively tell the story of the federally funded scientist,” said Benjamin Corb, public affairs director for ASBMB. “The data shows that deep cuts to federal investments in research are tearing at the fabric of the nation’s scientific enterprise and have a minimal impact on overcoming our national debt and deficit problems. I hope leaders from both parties in Washington review these findings and join with scientists to say ‘enough is enough.’”

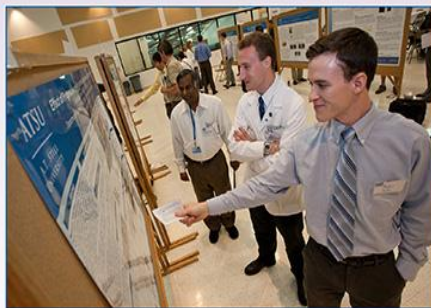
Some critical statistics from the report include:

- Private investment in academic research has been feeble. Only 2 percent of survey respondents have been able to find private funds to make up for those lost from federal grants.
- More than two thirds of survey respondents do not have the funds to expand their research operations, postponing important scientific advances in all fields.
- Research jobs have been lost. Nearly half of survey respondents have laid off researchers and 55 percent have a colleague who has lost his/her job.
- An overwhelming majority of scientists in all fields believes the U.S. has lost its position as the global leader in scientific research.

However, in the face of such adversity, nearly 95 percent of respondents indicated they want to continue their careers as scientists so they can attempt to make the breakthroughs and discoveries that will shape our society for decades to come. “The men and women in laboratories across the country live with the specter of budget uncertainty daily and yet continue to exemplify the passion and curiosity that has characterized American science for the past 70 years,” Corb concluded. “Congress must act before the damage caused by sequestration is irreversible. This damage won’t be measured just in the number of scientists laid off from labs today, but in the wait for breakthroughs in alternative energy, technology development, and cures for disease. Our report paints a clear picture of the importance of scientific research to American society, and why Congress should act now to overturn sequestration and return to a policy of a strong, sustained investment in science.”

## SAVE THE DATE!

November 2, 2013 • 8 a.m. to 3 p.m. • ATSU-KCOM campus • Kirksville, Mo.



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## Call for Abstracts

Abstracts must be submitted to Charity Thomann at [cthomann@atsu.edu](mailto:cthomann@atsu.edu) on or before

**Tuesday, October 15**

**Student- or resident-authored/presented posters will be eligible for a cash award.**

**Presenters may be offered an opportunity to also give a short oral presentation.**

**Don't Forget to Register ONLINE:** <http://www.atstu.edu/research/events/5thIBRS.htm>