

grants & you

a publication of the Sponsored Programs department

ATSU
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Congratulations – Funded

***Christopher Halliday, DDS, MPH, MOSDOH**, “ATSU’s Missouri Community-focused Dental Education Program – Year 3,” Missouri Foundation for Health, \$1,500,000, April 2013 – March 2014.

***Tony Hashemian, DDS, ASDOH**, “Text2Floss: An Innovative Option to Improve Oral Health Behavior,” DentaQuest, \$199,985, June 2013 – May 2014.

Deborah Heath, DO, SOMA, “Integration of Real Time Non-Invasive Physiologic Measurements to Enhance Osteopathic Medical Student Learning Experience for Osteopathic Medical Treatments,” John C. Lincoln Health Foundation, \$52,443, May 2013- April 2014.

***Debra Loguda Summers and Brian F. Degenhardt, DO, C-NMM/OMM, C-OFP**, Museum of Osteopathic Medicine, “The Legacy Project,” Cranial Academy Foundation, \$7,200, March 2013 – Feb 2014.

ATSU STRATEGIC RESEARCH FUND– Submitted

Brian F. Degenhardt, DO, C-NMM/OMM, C-OFP, A.T. Still Research Institute, “Effects of Surgically-induced Musculoskeletal Deformation on Rib Cage Kinematics in Fontan Patients,” \$17,430.

Rachel Ruhlen, PhD, A.T. Still Research Institute, and **Kevin Marberry, MD**, KCOM Surgery, “Cilia and Mechanotransduction in Chondrocytes During Osteopathic Manipulation,” \$17,074.

Tamara C. Valovich McLeod, PhD, ATC, ASHS Athletic Training; **Troy Hale, AuD, CCC-A, FAAA**, and **Henry Trahan, AuD**, ASHS Audiology; and **John Heick, PT, DPT**, ASHS Physical Therapy, “Improving Outcomes with Vestibular Rehabilitation in Concussed Adolescents,” \$27,515.

Rafael Zagarra-Parodi, DO (Europe), and **Brian F. Degenhardt, DO, C-NMM/OMM, C-OFP**, A.T. Still Research Institute, and **Peter Park, OMS-I**, “Peripheral Skin Blood Flow Changes Following Different Controlled Cervical Osteopathic Mobilizations,” \$5,211.

Good Luck – Pending Grants

Michelle Gross-Panico, RDH, MS, ASDOH, “Pinal County’s Toothfairy,” National Children’s Oral Health Foundation, \$17,876, July 2013 – June 2014.

***Debra Loguda Summers and Heather Rudy, MA**, Museum of Osteopathic Medicine, “Disaster Training and Supplies for Museum of Osteopathic Medicine and International Center for Osteopathic History,” National Endowment for the Humanities, Preservation Assistance, \$5,998, Jan – Dec 2014.

WARNER/FERMATURO & ATSU BOARD OF TRUSTEES FUND- Submitted

Richard Hall, PhD, and **Barry Robbins, DO**, KCOM Neurobehavioral Science, “Physiological Effects of Alpha-Stim AID on: Cortisol Levels, Galvanic Skin Response, Heart Rate, Heart Rate Variability, and Anxiety,” \$4,000.

Sherif Hassan, MD, PhD, and **Terrence McGarvey, PhD**, KCOM Anatomy, “Does Lox Expression Correlate with Vascular and Lymph Vessel Density in Bladder Carcinoma?” \$3,625.

David Middlemas, PhD, KCOM Pharmacology, “Serotonergic and Melatonin Agonists in Juvenile Depression,” \$4,000.

Pandurangan Ramaraj, PhD, KCOM Biochemistry, “Differential Effect of Androgens on Mouse and Human Melanoma Cell Growth,” \$2,800.

Neil Sargentini, PhD, and **Deborah Hudman, MS**, KCOM Microbiology/Immunology, “Characterization of New Radiation-sensitive *Escherichia coli* Mutants for Radiation Survival, Mutagenesis and DNA Recombination Phenotype,” \$4,000.

Karen Snider, DO, KCOM OMM, and **Jane Johnson, MA**, ATSU Research Support, “The Effect of Table Trainer Ratios on Student Learning of Cervical Muscle Energy Techniques,” \$4,000.

*Full proposal development and support provided by the ATSU Sponsored Programs team

**Limited technical support provided by the ATSU Sponsored Programs/Research Support team(s)



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 the Department of Sponsored Programs or Research Support at ext. 2860. Grant guidelines with submission deadlines and information for these and other opportunities are available via the NIH at <http://grants.nih.gov/grants/guide/index.html>.

PROGRAM TITLE	FUNDING MECHANISM	FUNDING OPPORTUNITY NUMBER / WEB LINK
The Effects of Modulating Chronic Low Grade Inflammation on Geriatric Conditions: Secondary Data and/or Biospecimen Analyses and Ancillary Studies in Ongoing or Completed Clinical Trials	R01	PA-13-221
Developing and Improving Institutional Animal Resources	G20	PAR-13-219
Center of Excellence for Research on CAM	P01	PAR-13-220
Research on Autism Spectrum Disorders	R01, R21, R03	PA-13-216 , PA-13-217 , PA-13-218 ,
Preclinical Research on Model Organisms to Predict Treatment Outcomes for Disorders Associated with Intellectual and Developmental Disabilities	R01	PAR-13-195
Outcome Measures for Use in Treatment Trials for Individuals with Intellectual and Developmental Disabilities	R01	PAR-13-213
Innovative Measurement Tools for Community Engaged Research Efforts	R01, R21	PA-13-209 , PA-13-212
Dual Purpose with Dual Benefit: Research in Biomedicine and Agriculture Using Agriculturally Important Domestic Animal Species	R01	PAR-13-204
Biophysical and Biomechanical Aspects of Embryonic Development	R21, R01	PAR-13-206 , PAR-13-207
Paul Calabresi Career Development Award for Clinical Oncology	K12	PAR-13-201
The Role of Extracellular RNA in Mediating the Health Effects of Alcohol	R21	PA-13-197
NIDCD Research On Hearing Health Care	R21/R33	RFA-DC-14-001
Mechanisms of Alcohol and Nicotine Co-Addiction	R21, R01	PA-13-193 , PA-13-194
Imaging and Biomarkers for Early Cancer Detection	R01	PAR-13-189
Detection of Pathogen-Induced Cancer	R01	PAR-13-190
Image-guided Drug Delivery in Cancer	R01	PAR-13-185
NIDCD Research Career Enhancement Award for Established Investigators	K18	PAR-13-186
Reducing the Duration of Untreated Psychosis in the United States	R01, R34	PAR-13-187 , PAR-13-188
Addressing Health Disparities in NIDDK Diseases	R01	PA-13-183
Academic-Industrial Partnerships for Translation of in vivo Imaging Systems for Cancer Investigations	R01	PAR-13-169
Indo-U.S. Vaccine Action Program (VAP) Small Research Grant Program	R03	PA-13-179
AHRQ Patient-Centered Outcomes Research (PCOR) Mentored Clinical Investigator Award	K08	PA-13-180
AHRQ Patient-Centered Outcomes Research (PCOR) Mentored Research Scientist Development Award	K01	PA-13-181
NIDCR Small Research Grants for Secondary Analysis of FaceBase Data	R03	PAR-13-178
Innovative Research Methods: Prevention and Management of Symptoms in Chronic Illness	R01, R15, R21	PA-13-165 , PA-13-166 , PA-13-167
Alcohol Use Disorders: Treatment, Services, and Recovery Research	R01, R21, R03	PA-13-160 , PA-13-161 , PA-13-162
NIDA Mentored Clinical Scientist Development in Drug Abuse & Addiction	K12	PAR-13-163
Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood	R01, R21	PA-13-153 , PA-13-154

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Summer 2013 Deadlines for AHA Programs

National AHA and its seven affiliates offer two funding cycles per year (winter and summer). Deadlines vary by affiliate, and not all programs are offered in each cycle. Only those listed below are available for summer 2013 application. Several programs have a broad target audience. Applicants should follow to the following hyperlink headings for program descriptions and application details.

Predoctoral Fellowship

Helps students initiate careers in cardiovascular and stroke research by providing research assistance and training.

- Offered by: Founders, Greater Southeast, **Midwest**, Southwest, and **Western States** Affiliates
- Career Stage: Gaining credentials – doctoral student

Postdoctoral Fellowship

Helps trainees initiate careers in cardiovascular and stroke research while obtaining significant research results under the supervision of a sponsor or mentor; supports individuals before they are ready for some stage of independent research.

- Offered by: Founders, Great Rivers, Greater Southeast, **Midwest**, Southwest, and **Western States** Affiliates
- Career Stage: Directed step – postdoctoral fellow

Mentored Clinical & Population Research Award (formerly Clinical Research Program)

Encourages early career investigators who have appropriate and supportive mentoring relationships to engage in high quality introductory and pilot clinical studies that will guide future strategies for reducing cardiovascular disease and stroke while fostering new research in clinical and translational science, and encouraging community- and population-based activities.

- Offered by: Founders, Greater Southeast, **National**, and **Western States** Affiliates
- Career Stage: Directed step/first independent step – healthcare professionals with a masters degree or certain doctoral degrees

Beginning Grant-In-Aid

Promotes the independent status of promising beginning scientists.

- Offered by: Great Rivers, Southwest, and **Western States** Affiliates
- Career Stage: First independent step – instructor, assistant professor or other first academic appointment or equivalent

Scientist Development Grant

Supports highly promising beginning scientists in their progress toward independence by encouraging and adequately funding research projects that can bridge the gap between completion of research training and readiness for successful competition as an independent investigator.

- Offered by: Founders Affiliate and **National**
- Career Stage: First independent step – instructor, assistant professor, or other first academic appointment or equivalent

Grant-In-Aid

Encourages and adequately funds the most innovative and meritorious research projects from independent investigators.

- Offered by: Founders, Southwest, and **Western States** Affiliates
- Career Stage: First independent step, intermediate level, or recognized investigator – instructor, assistant professor or other first academic appointment/ equivalent, associate professor or equivalent, professor or equivalent. Applicants are expected to be independent investigators.

Established Investigator Award

Supports mid-career investigators with unusual promise and an established record of accomplishments; candidates have a demonstrated commitment to cardiovascular or cerebrovascular science as indicated by prior publication history and scientific accomplishments. A candidate's career is expected to be in a rapid growth phase.

- Offered by: **National**

Innovative Research Grants

Supports highly innovative, high-risk, high-reward research that could ultimately lead to critical discoveries or major advancements that will accelerate the field of cardiovascular and stroke research.

- Offered by: **National**



Recently Released NIH Research Grant Opportunities *(Continued from page 2)*

Development/Application of PET & SPECT Imaging Ligands as Biomarkers for Drug Discovery and for Pathophysiological Studies of CNS Disorders	R21, R21/R33	PA-13-157 , PAR-13-158
Development and Characterization of Animal Models for Aging Research	R01, R21	PA-13-155 , PA-13-156
NIAID Clinical Trial Planning and Implementation Grants	R34 R01	PAR-13-150 , PAR-13-149



Lawrence M. Brass
Stroke Research
Postdoctoral Fellowship Award

Funding is available from the American Brain Foundation, through the Lawrence M. Brass, MD, Stroke Research Postdoctoral Fellowship Program to support training for an individual interested in a career in stroke research related to vascular neurology, stroke, and neurocritical care. Applicants should not have more than 5 years of postdoctoral research training. Proposals are encouraged from all basic disciplines as well as epidemiological, behavioral, community, and clinical investigations that bear on cardiovascular and stroke problems. Follow the hyperlink heading for complete program details and applicant requirements. Sponsorship is provided by the American Heart Association/American Stroke Association.

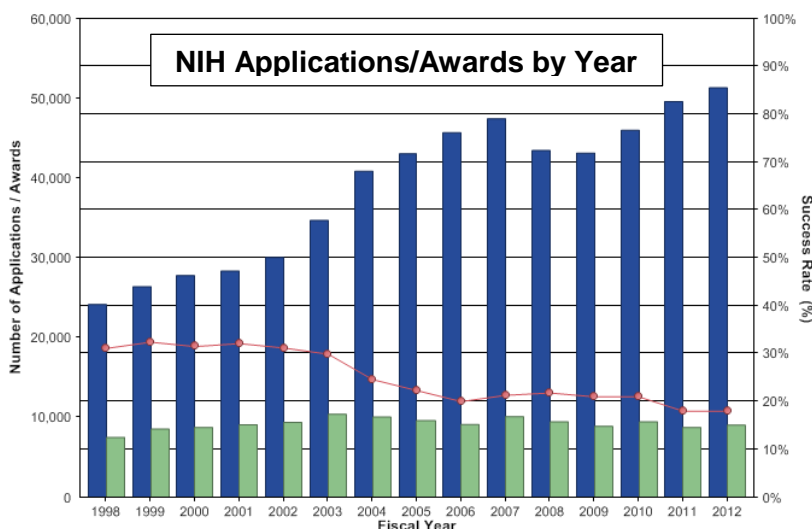
ATSU Grants and Research Reinvestment Policy Expanded to Include Postdoctoral Fellows

Modifications to [ATSU General Order 20-112](#) went into effect in April, allowing postdoctoral fellows to qualify for ATSU Grants and Research Reinvestment benefits. This policy governs salary reimbursement for time that ATSU faculty and now postdoctoral fellows devote to extramurally supported research or other activities. Faculty and postdoctoral investigators interested in learning more about ATSU’s Research Reinvestment program can refer to the policy for details on qualifying salary, how Research Reinvestment funds are managed and distributed, and how the program benefits both the investigator(s) and the University. General Order 20-112 is located in the [ATSU Policies Manual](#).

NIH 2012 by the Numbers: Success Rates, Applications, Investigators & Awards

The National Institutes of Health (NIH) recently reported their fiscal year 2012 funding statistics, as summarized below.

NIH applications & awards in FY2012, compared to FY2011:	2011	2012
Overall success rate for research project grants (RPGs) stayed the same as 2011	18%	18%
Average size of RPGs increased	\$449,644	\$454,588
2012 saw an increase in the total amount of funding that went to RPGs	\$15,815,319,592	\$15,923,746,065
NIH received more R01 grant applications	28,656	29,515
Success rates for research using the R01 mechanism remained the same	18%	18%
Total number of R01 awards increased	5,264	5,340
NIH received more R21 grant applications	13,145	13,743
Success rates for the R21 mechanism increased	13%	14%
NIH R21 mechanism awards significantly increased , reaching an all-time high	1,694	1,932
Success rate for research career development awards remained the same	32%	32%
Success rate for center grant applications decreased	37%	33%



NIH Common Data Element (CDE) Resource Portal

NIH encourages the use of common data elements (CDEs) in clinical research, patient registries, and other human subject research to improve data quality and opportunities for comparison and combination of data from multiple studies and with electronic health records. The [NIH CDE Resource Portal](#) provides access to NIH-supported CDE initiatives and other tools and resources to assist investigators developing protocols for data collection. User-friendly summary tables are provided as well as identification of subject areas covered by the NIH CDE tools and resources.