**Wayne Cottam, DMD, MS, ASDOH, “First Things First Oral Health Project (subcontract with Catholic Healthcare West) – Year 3,” Maricopa Councils of First Things First, $82,573, 07/01/11-06/30/12.

**Brian F. Degenhardt, DO, C-NMM/OMM, C-OFP, A.T. Still Research Institute; Jane C. Johnson, MA, ATSU Research Support; and Kelly Halma, DO, KCOM Osteopathic Manipulative Medicine, “Use and Effectiveness of Osteopathic Manipulative Medicine in the Clinical Setting,” AOA, $100,000, 09/01/11-08/31/13.

**Brian F. Degenhardt, DO, C-NMM/OMM, C-OFP, A.T. Still Research Institute; “Advancing the Clinical Identification and Quantification of Musculoskeletal Pain,” International Association for the Study of Pain, $25,000, 06/01/11-06/30/12.


**Samuel Engemann, OMS II, and Brian Degenhardt, DO, C-NMM/OMM, C-OFP, A.T. Still Research Institute, “Improving Medical Student Accuracy and Reliability Performing Pelvic Positional Asymmetry Tests Through Consensus Training and Objective Feedback,” AOA Research Fellowship, $10,000, 08/01/11-07/31/12.

**Doris Fountain, RN, KCOM AHEC Program Office, “Northeast Missouri Regional Arthritis Center – Year 27,” Missouri Department of Health and Senior Services, $53,067, 07/01/11-06/30/12.

Michelle Gross-Panico, RDH, MS, Eric Harris, DDS, Mary Busch, RDH, and Yvette Thornton, RDH, ASDOH, “Smiles Across Pinal County,” Oral Health America, $25,000, 07/01/11-06/30/12.

**Gary Cloud, PhD, MBA, and Carol Grant, DM, ASHS Academic Affairs, “Gila River Indian Community: Native Early Acceptance Team (NEAT) Program,” Gila River Indian Community (GRIC), $200,000, 10/01/11-09/30/13.

**Eric Harris, DDS, ASDOH, “Apache Junction’s Toothfairy,” National Children’s Oral Health Foundation, $15,000, 07/01/11-06/30/12.

**Jeremy J. House, PhD, KCOM Department of Anatomy; Brian F. Degenhardt, DO, C-NMM/OMM, C-OFP, A.T. Still Research Institute; Jonathon Kirsch, DO, SOMA; Cheri Hodges, DPT, ASHS Physical Therapy; Tamara C. Valovich McLeod, PhD, ATC, ASHS Interdisciplinary Health Sciences; and Jane C. Johnson, MA, ATSU Research Support, “Investigating Objective Functional Characteristics to Differentiate Subgroups in Chronic Low Back Pain Patients,” AOA, $100,000, 09/01/11-08/31/13.

**Joy H. Lewis, DO, PhD, FACP, SOMA; R. Curtis Bay, PhD, ASHS Interdisciplinary Health Sciences; and Lise McCoy, MA, SOMA, “Needed Specialties in Community Medicine,” AACOM, $5,000, 04/01/11-09/30/12.

**Fredric N. Schwartz, DO, FACOFP, and Thomas E. McWilliams, DO, FACOFP, SOMA, “Establishing a Department of Family and Community Medicine (DFCM): Training in CHCs to Meet the Needs of Vulnerable Populations – Year 2,” HRSA, $320,798, 07/01/11-06/30/12.

Patricia S. Sexton, DHED, and Margaret A. Wilson, DO, KCOM Family/Preventive Medicine and Community Health, “Educational Materials for Medical Elective Courses: Hospice/End of Life and Rural, Remote, and Global Health,” KOAA-KCOM Education Program Fund, $1,290, 07/01/11-06/30/12.

(Faculty grant announcements continued on back page.)

*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.

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**CONGRATULATIONS**

**KCOM Biomedical Science Student Awards**

Anne Baker Bealer and Neal Chamberlain, PhD, KCOM Microbiology/Immunology, “Effect of Heparin on Biofilm Formation and Persistence in Staphylococcus aureus,” $5,000, 12/16/10-06/30/12.

Paul Butts and Peter Kondrashov, PhD, KCOM Anatomy, “Phylogeny of Extant Xenarthran Genera Based on Post-Cranial Osteological Morphology,” $5,000, 11/04/10-06/30/12.

Nicholas Gularte and Neil Sargenti, PhD, KCOM Microbiology/Immunology, “Identification of New Genes Involved in Survival of X-irradiated E. coli,” $5,000, 10/05/10-07/01/13.

Jacob Hiatt and Melissa Stuart, PhD, KCOM Microbiology/Immunology, “Identification of Proteins that Co-precipitate with RadA/Sms,” $5,000, 12/10/10-06/30/12.

Trintje Johansson and Vineet Singh, PhD, KCOM Microbiology/Immunology, “Characterization of Four Methionine Sulfoxide Reductases in Staphylococcus aureus,” $5,000, 04/01/11-06/30/12.

Russell R. Lambert and William Sexton, PhD, KCOM Physiology, “The Effects of Creatine Kinase Inhibition on Muscle Function in Low QO2 States,” $5,000, 04/01/11-06/30/12.

Michael McGrew and Robert Baer, PhD, KCOM Pharmacology, “The Effects of Caveolin-1 Expression on MT1-MMP Signaling in Melanoma,” $5,000, 12/01/10-06/30/12.

Teresa Meyer and David Middlemas, PhD, KCOM Pharmacology, “Effects of Chronic Corticosterone and Antidepressant Treatment in Adolescent Rats,” $5,000, 11/04/10-06/30/12.

Tyler Robertson and William Sexton, PhD, KCOM Physiology, “Effect of Exercise Training on Muscle Function and During Acute Femoral Artery Ligation,” $5,000, 04/01/11-06/30/12.

Ryan White and Yingzi Chang, MD, PhD, KCOM Pharmacology, “The Effects of Caffeine on Vascular Injury Induced Neointimal Hyperplasia,” $5,000, 11/10/10-06/30/12.
NIH Releases New Parent Announcements for R03, R21, and R01 Grant Mechanisms

In addition to these brief summaries, full program details are available through the hyperlinks provided below.

**R03 – NIH Small Research Grant Program (PA-11-262), budget limit of $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
- development of research methodology and/or new research technology

**R21 – NIH Exploratory Developmental Research Grant Program (PA-11-261), 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 grounds or extend previous discoveries toward new directions or applications.

**R01 – Research Project Grant (PA-11-260), 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.

NIH Extramural Loan Repayment Programs

You do the research. NIH will repay your student loans. That is the idea behind the National Institutes of Health Loan Repayment Programs (LRPs). The 2012 application cycle will open September 1, 2011, with proposals due by November 15, 2011.

NIH wants to encourage outstanding health professionals to pursue careers in biomedical, behavioral, social, and clinical research. If you commit at least two years to conducting qualified research funded by a domestic nonprofit organization or U.S. federal, state, or local government entity, NIH may repay up to $35,000 of your qualified student loan debt per year, including most undergraduate, graduate, and medical school loans. Loan repayment benefits are in addition to the institutional salary you receive for your research. For qualified research at a domestic nonprofit institution outside NIH, you may be eligible for one of the five extramural LRPs:
- Clinical Research
- Pediatric Research
- Health Disparities Research
- Contraception and Infertility Research
- Clinical Research for Individuals from Disadvantaged Backgrounds

Full program materials are available through the NIH LRP website.
Congratulations (continued from page 1)

Patricia S. Sexton, DHEd, and Margaret A. Wilson, DO, KCOM Family/Preventive Medicine and Community Health, “Improving Medical Humanities Resources,” KOAA-KCOM Education Program Fund, $850, 07/01/11-06/30/12.

* Debra Loguda-Summers, Museum of Osteopathic Medicine, “Osteopathic Heritage Collection Inventory Project, Phase II,” Institute of Museum and Library Services, $142,776, 09/01/11-06/30/12.

Tamara C. Valovich McLeod, PhD, ATC, Alison R. Snyder, PhD, ATC, John T. Parsons, PhD, ATC, and R. Curtis Bay, PhD, ASHS Interdisciplinary Health Sciences, “The Effect of Sport-related Concussion on Cognition, Balance, Symptoms, and Health-related Quality of Life in Adolescent Athletes – Year 2,” National Operating Committee on Standards for Athletic Equipment, $51,067, 02/01/11-04/30/12.

* Margaret A. Wilson, DO, and Patricia S. Sexton, DHEd, KCOM Family/Preventive Medicine and Community Health, “KCOM Predoctoral Training in Primary Care – Year 2,” HRSA, $235,092, 07/01/11-06/30/12.

Morgan Yost, DO, and Kelly Burchett, DO, KCOM Surgery, “Burnout Among Osteopathic Otolaryngology Residents: Identification, Prevention, and Treatment During Formative Training Years,” AOA Research Fellowship, $7,000, 08/01/11-07/31/12.

Good Luck - Pending Grants

* Stephen D. Laird, DO, MHPE, FACOS, Jeffrey A. Suzewits, DO, MPH, FAAFP, and John H. George, PhD, KCOM, “Curriculum and Faculty Development in Evidence-based Medicine – Year 6,” NIH – NCCAM, $219,260, 09/30/11-09/29/12.

* Fredric N. Schwartz, DO, FACOFP, and Mara Hover, DO, SOMA, “Advanced Training in Public Health at Community Health Center Clinical Campuses,” HRSA, $950,000, 09/30/11-09/29/16.

* Patricia S. Sexton, DHEd, KCOM Family/Preventive Medicine and Community Health, and Lary Ciesemier, DO, KCOM Internal Medicine, “KCOM’s Physician Faculty Development in Primary Care Program,” HRSA, $1,070,581, 09/30/11-09/29/16.

* Debra Loguda-Summers, Museum of Osteopathic Medicine, “Digitization and Optical Character Recognition of Historic Osteopathic Journals,” AAOA Special Projects, “$3,000, 02/06/12-07/14/12.

Strategic Research Fund Grant Award:

Rachel L. Ruhlen, PhD, A.T. Still Research Institute; Kevin M. Marberry, MD, KCOM Surgery; and Eric J. Snider, DO, KCOM Neurobehavioral Science, “Establishing a Female Rat Model of Joint Injury and Post-traumatic Osteoarthritis,” $5,000, 06/01/11-05/31/12.

ATSU Warner/Fermaturo Research Awards:

Yingzi Z. Chang, MD, PhD, KCOM Pharmacology, “Effects of MCPIP-1 on PDGF/IL-6-Stimulated Smooth Muscle Cell Migration and Proliferation,” $4,000, 06/01/11-05/31/13.

James L. Cox, PhD, KCOM Biochemistry, “Inhibition of Melanoma Metastasis by Cystatin C Effects on Cell Signaling,” $4,000, 06/01/11-05/31/13.

Kenneth Lam, ScD, ATC, and Barton Anderson, MS, ATC, ASHS Interdisciplinary Health Sciences, “Utilizing the Clinical Outcome Research Education for Athletic Trainers (CORE-AT) LITE Module to Facilitate the Collection and Tracking of Patient-rated Outcomes During Patient Care: A Feasibility Study, $4,000, 06/01/11-05/31/13.

David S. Middlemas, PhD, KCOM Pharmacology, “Development of a Rodent Juvenile Model of Depression,” $4,000, 06/01/11-05/31/13.

Rachel L. Ruhlen, PhD, A.T. Still Research Institute, “Exercise Prevention of Breast Cancer in a Rat Model,” $4,000, 06/01/11-05/31/13.

Center for Disease Control & Prevention Offers Applied Epidemiology Fellowship

The CDC Applied Epidemiology Fellowship seeks to increase the number of physicians with a population health perspective by providing medical students with an understanding of applied epidemiology, the role of epidemiology in medicine and health, and the role of physicians in the public health system. This program is funded by a grant from Pfizer, Inc., via the CDC Foundation. It provides medical students with a hands-on training experience in epidemiology and public health.

Each year, 8 applicants are selected. MS II/III may apply and start the fellowship as MS III/IV. They will spend up to 1 year at CDC headquarters in Atlanta, getting practical experience, being mentored by experienced CDC epidemiologists, and working on solving real-world public health problems.

Application Process: The application period usually opens in September through December of each year.

Application guidance is available via the CDC website.