



Newsletter

Fall
Volume 2 Issue 1

KUMC Research Institute, 3901 Rainbow Blvd, MS 1039, Kansas City KS 66160
<http://www2.kumc.edu/researchinstitute/> researchinstitute@kumc.edu (913)588-5436



(ARRA) American Recovery and Reinvestment Act Update

By Mei-Shya Chen

As of July 31, 2010, the University of Kansas Medical Center Research Institute has received 52 awards totaling \$14.4 million that are funded under the American Recovery and Reimbursement Act. Funds received include \$8.3 million to support research projects that can be accomplished in 2 years or less, \$5.1 million of administrative supplements received to accelerate the pace of ongoing science and another \$1 million received from other institutions for collaborative studies.

The ARRA quarterly report for the period through June 30, 2010 had been successfully submitted through FederalReporting.gov without a problem. Thanks to our principal investigators for their prompt response to our inquiries on data required on the quarterly progress report.

RECOVERY.GOV IS THE U.S. GOVERNMENT'S
OFFICIAL WEBSITE THAT PROVIDES EASY
ACCESS TO DATA
RELATED TO RECOVERY ACT SPENDING AND
ALLOWS FOR THE REPORTING OF POTENTIAL
FRAUD, WASTE, AND ABUSE.

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Are interested in how much money under the Recovery program has been spent thus far in the community or in each state? What contractors are benefitting, and where they are located? How many jobs have been created nationally or in our state? Please visit the federal website at Recovery.gov.

Breidenthal Construction Project

By Steven Geiger

The new Biomedical Entrepreneurial Research Incubator will come on line around January 1, 2010. The facility is in the remodeled Breidenthal building on West 39th Street. The current incubator at 3800 Cambridge will be returned to KUMC for faculty research use.



PGAV Architects

The new three story incubator will offer 10,500 square feet of laboratory space and 5,000 square feet of lab space. Administrative offices will house incubator management professionals who will manage the building and provide consulting and educational services to the tenants. Common space includes two shared equipment rooms, a flexible meeting room for classes and receptions, a board room, two huddle conference rooms, and a break room on every floor.

Access to the research facilities of KUMC is what distinguishes this location. Tenants will be able to access Dykes Research Library, contract with faculty for research, and use core facilities on a fee for service basis.

Interested parties may contact Steven Geiger at 913-588-5469 or sgeiger@kumc.edu.

New Awards

BRAVO! Congratulations to all faculty who have successfully received new awards.

Ablah, Elizabeth A, KS Dept of Homeland Security, KS SART Animal Response Team Training Resource Provision, \$10,581

Ablah, Elizabeth A, Kansas Food Bank, Barriers to Accessing Food, \$10,000

Ablah, Elizabeth A, United Methodist Health Ministry Fund, Health Risk Assessment, \$6,000,

Abrahamson, Dale R, NIH, JEOL JEM-1400 Transmission Electron Microscope with AMT- XR611M Digital Camera System and EM-11170(PSH) Penta (5) Specimen Holder, \$417,792

Abrahamson, Dale R, Research Institute Inc, Transcriptional regulation of the LAMA5 gene., \$25,000

Aljitawi, Omar, Kansas University Endowment Assn, Ex vivo expansion of umbilical cord blood using a unique bio-system., \$50,000

Arroyo, Juan Alberto, NIH, Apoptosis in an Ovine Model of Intrauterine Growth Restriction (IUGR)., \$133,001

Arroyo, Juan Alberto, NIH, Apoptosis in an Ovine Model of Intrauterine Growth Restriction (IUGR)., \$90,000

Behbod, Fariba, Cancer Center/KUMC, The role of p63 in the transition from ductal carcinoma in situ(DCIS) to invasive disease., \$35,000

Billinger, Sandra Anne, Research Institute Inc, Aerobic Exercise and Cardiovascular Function in Sub-Acute Stroke., \$25,000

Blanco, Victor Gustavo, NIH, Na,K-ATPase mediated ouabain effects in polycystic kidney disease, \$1,620,000

Brooks, William Miles, Research Institute Inc, MRS Biomarkers of Treatment Response in TBI, \$25,000

New Awards - continued

Bruce,Amanda Schurle, Research Institute Inc, Brain activation to food images and food-brand logos in obese and lean children., \$25,000

Burns,Jeffrey M, NIH, Aerobic Fitness in Slowing the Progression of Alzheimer's Disease, \$1,662,106

Butler,Merlin G, Prader-Willi Syndrome Association, Support fellowship training of young investigators in the study of rare diseases including Prader-Willi syndrome., \$25,000

Butler,Merlin G, University of Kansas Center for Research [NIH], Early Prevention of Aberrant Behavior in neurodevelopment in Peru, \$3,476

Carlson,Susan Elaine, Kansas University Endowment Assn, The Effects of DHA On Pregnancy And Infant Outcome (Kansas University DHA Outcomes Study or KUDOS)., \$13,240

Chakraborty,Damayanti, Am Heart Assn Heartland, Role Natural Killer Cells and Hypoxia Signaling in Uteroplacental Vascular Adaptations, \$52,000

Cheney,Paul D, University of Kansas Center for Research, Photoacoustic imaging of functional domains on primary motor cortex of monkeys, \$230,335

Chertoff,Mark E, NIH, Diagnosing outer hair cell health along the cochlear partition., \$405,331

Choi,In Young, University of Kansas Center for Research [Inst. for Advancing Medical Innovation], Developing Bifunctional Peptide Inhibitors (BPI) for Treatment of Multiple Sclerosis, \$4,000

Christenson,Lane K, NIH, MicroRNA Regulation of Ovarian Function, \$1,706,320

Cohen,Mark Steven, Inst. for Advancing Medical Innovation, Withaferin A: A Novel Treatment for Metastatic Melanoma., \$158,830

Daley,Christine Makosky, NIH, Central Plains Center for American Indian Health Disparities (CPC-AIHD), \$7,060,526

Dawn,Buddhadeb, NIH, Isolation of novel mesenchymal stem cell subpopulations., \$185,000,

Dawn,Buddhadeb, NIH, Organ protection during cardiopulmonary arrest., \$1,133,278,

Dawn,Buddhadeb, NIH, Organ protection during cardiopulmonary arrest., \$255,519

Delisle,Robert C, Takeda Global Research and Development, Amitiza to Improve Gastrointestinal Complications of Cystic Fibrosis, \$62,442

Dhar,Animesh, Kansas University Endowment Assn, Chemoprevention of Newly Developed Novel Crocetin Compound for Pancreatic Cancer., \$35,000

Ding,Wenxing, NIH, The Role of Autophagy in Alcohol-Induced Liver Injury., \$412,500

Fabian,Carol J, Kansas Bioscience Authority, Omega 3 Fatty Acids for Prevention of Breast Cancer in Premenopausal Women, \$249,975

New Awards - continued

Farassati,Faris, Kansas University Endowment Assn, A Novel Strategy for Targeting Pancreatic Cancer by Silencing Mesothelin., \$30,000

Fisher,Harvey F, NIH, Mechanisms of catalysis by an alpha amino acid dehydrogenase., \$144,000

Fisher,Mark T, Inst. for Advancing Medical Innovation, Lead Compound Identification of Direct Chemical Correctors of the Misfolding of Cystic Fibrosis Transmembrane Regulator using a Novel Chaperonin Screening System, \$100,000

Fisher,Monica, NIH, Oral Health Disparities Among High-Risk Populations, \$120,774

Frazier,Linda M, Wichita Center for Graduate Medical Educ [Kansas Bioscience Authority], Fear and other barriers to physical activity during pregnancy., \$99,987

Frazier,Linda M, Wichita Center for Graduate Medical Educ [Kansas Bioscience Authority], Exercise in pregnancy: overcoming barriers to physical activity., \$9,990

Gajewski,Byron J, Research Institute Inc, Bridging Grant for Improving Healthcare Efficiency via Bayesian Data Envelopment Analysis., \$20,000

Gibson,Cheryl A, PE4Life, Evaluating an Integrated Approach to Building Healthier Elementary School Students Through Energy Balance., \$518,937

Godfrey,William A, KS Lions Sight Foundation Eye Research F, Characterization of the Choroidal Mast Cell, \$19,000

Guo,Grace Liejun, NIH, Tissue specific mechanism of FXR in suppressing bile-acid synthesis, \$99,750

Hardwidge,Philip R, NIH, Bacterial effector subversion of host protein trafficking, \$150,000

Harlan-Williams,Lisa Marie, Inst. for Advancing Medical Innovation, Small Molecule Activators of BRCA1 Expression., \$148,692

Heddings,Archie A, University of Minnesota, Multicenter Prospective Cohort Study: Operative & Nonoperative Treatment of Extra-articular Scapula Fractures, \$0

Holyoak,Todd, IgA Biosciences, IgA Protease as Therapy to Reverse IgA Nephropathy, \$4,094

Jaeschke,Hartmut W, NIH, Mitochondrial Dysfunction and Drug Hepatotoxicity, \$99,930

Jaeschke,Hartmut W, McNeil Consumer Healthcare, Are Acetaminophen Protein Adducts Indicators of Liver Cell Injury?, \$117,944

Jensen,Roy A, Kansas Bioscience Authority, Hiring Grants Coordinator in support of NCI Cancer Designation, \$132,000

Jensen,Roy A, Kansas Bioscience Authority, The Eminent Scholar Program-Srivastava, \$1,775,000

New Awards - continued

Kellerman,Rickey D, Wichita Center for Graduate Medical Educ [Kansas Bioscience Authority], Examination of the MedEncentive Impact on Health Care, \$21,997

Kimminau,Kim Schneider, Health Care Foundation of Greater Kansa, Towards Outcomes Indicators and Measures., \$5,000

Klaassen,Curtis, NIH, Developmental Regulation of Drug Processing Genes, \$3,170,125

Klaassen,Curtis, NIH, Regulation of Hepatic Uptake of Endogenous Signaling Molecules and Xenobiotics, \$1,722,061

Klaassen,Curtis, Children's Mercy Hospital & Clinics, Developmental Pattern of Bile Acid Profile in Preterm and Term Infants - a Pilot Study, \$37,500

Klaus,Nicole Marie, Wichita Center for Graduate Medical Educ [Kansas Bioscience Authority], Psychoeducational Psychotherapy by Telemedicine for Children with Mood Disorders., \$99,984

Kumar,Parvesh, University of Southern California [DEPARTMENT OF DEFENSE], A Phase I/II Trial of Adjuvant 3-D Conformal Radiation Hormonal Therapy and Concurrent Docetaxel for High Risk, \$98,662

Ladokhin,Alexey, Research Institute Inc, pH-Triggered membrane Insertion of Proteins., \$30,000

Lai,Sue Min, Macro International Inc., Improving the reporting of hematopoietic diseases., \$268,892

Lai,Sue Min, KANSAS DEPT OF HEALTH AND ENVIRONMENT, Provide baseline data on the number of selected invasive cancer cases diagnosed among American Indian/Alaska Native people in Kansas., \$6,000

Lassen,Stephen R, Kansas University Endowment Assn, Identifying high Risk families in the Neonatal Intensive Care Unit Development of a Brief Psychosocial screening Instrument., \$8,920

Leidy,Heather J, Egg Nutrition Center, The beneficial effects of a protein-rich breakfast on appetite control, body weight management, & cognition in overweight and obese adolescents., \$48,314

Li,Benyi, University of Missouri Kansas City [NIH], Targeted delivery of IKKalpha siRNA to prostate cancer cells, \$57,988

Lu,Ling, Cancer Center/KUMC, The role of p63 in the transition from ductal carcinoma in situ(DCIS) to invasive disease., \$50,000

Ma,Xiaochao, Research Institute Inc, Role of Pregnane X Receptor in Hepatotoxicity Associated with Rifampicin-isoniazid Co-therapy., \$25,000

McCarson,Kenneth E, University of Kentucky Chandler Medical [NIH], Neuropeptidergic Inhibition of Spinal Pain Transmission, \$28,656

McIff,Terence Edward, University of Kansas Center for Research [NIH], Gradient-based Strategy for Osteochondral Regeneration, \$8,136

New Awards - continued

McNeal,David Wayne, NIH, Neuroplasticity of the Premotor Cortex Following Primary Motor Cortex Damage, \$151,134

Montello,Martha Mary, Special Olympics, The effects of CASP and vision interventions on quality of life outcomes in students with different abilities in Lima, Peru: a pilot study, \$3,750

Morales,Pedro Jose, Inst. for Advancing Medical Innovation, Development of microRNAs (miRNA) gene reporter biosensors as a model for gene silencing based drugs study programs, \$100,000

Nothnick,Warren B, NIH, Macrophage migration inhibitory factor and endometriosis, \$150,000

Nothnick,Warren B, Research Institute Inc, MicroRNAs in Endometriosis Pathophysiology and Treatment., \$30,000

Pahwa,Rajesh, National Parkinson Foundation Inc, \$25,000

Peterson,Kenneth R, NIH, Transactivation of Fetal Hemoglobin, \$99,740

Petroff,Brian K, Research Institute Inc, Improving Fertility in Cancer Survivors, \$5,000

Petroff,Brian K, Kansas University Endowment Assn, Dietary prevention of estrogen receptor negative breast cancer with omega 3 fatty acids, \$40,000

Petroff,Margaret Greene, NIH, Maternal Central Immune Tolerance to the Fetal-Placental Unit, \$412,500

Qiu,Jianming, NIH, Molecular characterization of the bocaviruses, \$412,500

Reese,Ronald M, University of Kansas Center for Research [NIH], Early Prevention of Aberrant Behavior in neurodevelopment in Peru, \$3,296

Renaud,Stephan James, Lalor Foundation Inc, The role of integrins in trophoblast invasion and uterine vascular transformation., \$35,000

Ritterskamp,Amy Louise, University of Utah, Informacion de Salud para Promotoras., \$13,600

Robbins,David Carl, Kansas University Endowment Assn, A randomized trial comparing live, interactive Internet-based delivery of "healthy eating" self., \$2,000

Robertson,John D, Research Institute Inc, Antiproliferative Mechanisms of Novobiocin-derived Hsp90 Inhibitors., \$30,000

Roby,Katherine F, Mesothelioma Applied Research Foundatio, HSP90 Targeted Therapy for Mesothelioma., \$99,908

Rockwell,Cheryl Elizabeth, NIH, Role of Nrf2 in immunotoxicity by food additives and environmental contaminants., \$177,022

Savage,Cary R, NIH, Neuroimaging studies of reward, impulsivity, and adherence to an exercise program, \$3,146,051

New Awards - continued

Sawyer,Tama S, KANSAS DEPT OF HEALTH AND ENVIRONMENT, Mid-America Poison Control Center 2010, \$75,000

Schmidt,Carolyn Rose, Wichita Center for Graduate Medical Educ [Kansas Bioscience Authority], Evaluating Opportunities for Technological Communication from Physicians: A Kiosk-Based Study., \$19,371

Schmidt,Carolyn Rose, Wichita Center for Graduate Medical Educ [Kansas Bioscience Authority], Developing a Mobile Phone Text Reminder System for Childhood Immunizations., \$10,787

Schmidt,Carolyn Rose, KANSAS DEPT OF HEALTH AND ENVIRONMENT, Dissemination of Health Care Reform Information to Parents and Young Adults, \$4,820

Searl,Jeffrey Paul, Am Speech/Language/Hearing, Face-to-Face and Telemedicine Group Voice Therapy for Individuals with Parkinson Disease., \$75,000

Shankar,Sharmila, NIH, Chemoprevention of Prostate Cancer by Curcumin, \$9,809

Sharma,Neena Kumari, Research Institute Inc, Exercise Induced Neural Changes in People with Chroni Low Back Pain: A Pilot Study., \$25,000

Sharma,Priyanka, Kansas University Endowment Assn, Exploration of novel therapeutic targets for chemoresistant triple negative breast cancer., \$25,000

Soares,Michael J, Research Institute Inc, Fall 2009 Bridging for R01, "Maternal Environment-Directed Placentation" (R01 HD062664-01)., \$10,000

Srivastava,Rakesh, NIH, Mechanisms of Chemoprevention by Resveratrol, \$28,139

Srivastava,Rakesh, NIH, Chemoprevention of Pancreatic Cancer by EGCG, \$1,097,314

Srivastava,Rakesh, NIH, Chemoprevention of Pancreatic Cancer by EGCG - ARRA, \$285,000

Stanford,John Anderson, Research Institute Inc, Developing a rat model of TDP-43-related Amyotrophic Lateral Sclerosis., \$25,000

Tawfik,Ossama, Inst. for Advancing Medical Innovation, Evaluation of the Potential Impact of Telecytology [Tele"PAP"ology TM] of Cell Block Preparations from Pap Smears, \$132,803

Vielhauer,George A, Inst. for Advancing Medical Innovation, Development of C-terminal HSP90 inhibitors for treatment of Prostate Cancer., \$225,000

Waller,Stephen C, Inst. for Advancing Medical Innovation, Exploring the Use of a Novel Device for Reducing Catheter-Related Bloodstream Infections, \$79,420

Waller,Stephen C, Inst. for Advancing Medical Innovation, Development of a Medication Delivery Device to Prevent Reuse of Syringes and Transmission of Infectious Diseases., \$55,314

Wan,Yu-Jui Yvonne, NIH, Retinoids, Nuclear Receptors, and Hepatocyte Proliferation, \$1,648,075

New Awards - continued

Warren, Mary E, Kansas Association for the Medically Un, Student/Resident Experiences & Rotations in Community Health (SEARCH) program, \$100,900

Warren, Mary E, Kansas Association for the Medically Un, Student Rotations at Primary Care Clinics, \$30,000

Weiner, Carl Philip, NIH, KUMC Women's Reproductive Health Research Career Development Program (K12), \$2,375,980

Weinman, Steven Alan, Research Institute Inc, The role of circulating cancer progenitor cells in recurrence of HCC., \$25,000

Wetmore, James Bacon, NIH, Factors associated with Warfarin Use in Dialysis Patients with Atrial Fibrillation, \$869,594

Wetmore, James Bacon, Sandra A Daugherty Foundation, Treatment of Atrial Fibrillation in Dialysis Patients: Pharmacotherapy versus Electrical Cardioversion, \$33,674

Williams, Kristine N, NIH, Reasoning Exercises in Assisted Living (REAL)., \$412,500

Woolley, Douglas C, Wichita Center for Graduate Medical Educ [Kansas Bioscience Authority], Emergency room visits and hospital admissions by patients enrolled in hospice care., \$20,143

Xuan, Yu Ting, NIH, Role of JAK-STAT Pathway in Ischemic Preconditioning., \$300,000

Yankee, Thomas M, Research Institute Inc, The Gads adaptor protein regulates CD8+ T cell proliferation and activation., \$25,000

Zhong, Xiaobo, NIH, Control of developmental switch of Cyp3a gene expression in mouse liver, \$1,500,000

Zhu, Bao Ting, Research Institute Inc, Bridging Grant (Role of Estrogen Conjugative Metabolism in Hormonal Cancer)., \$25,000

Notices posted for awards received 01/01/2010 - 06/30/2010. If we have missed a notice of an award, please accept our apologies and notify us so that we may include your achievement in the next newsletter: researchinsitute@kumc.edu

Grant Renewals

BRAVO! Congratulations to all faculty who have successfully renewed their grants.

Aaronson, Lauren S, University of Kansas Center for Research [NIH], A Randomized Exercise Trial for Wheelchair Users., \$10,354

Andrews, Glen K, University of Missouri Kansas City [NIH], Mechanisms of Eukaryotic Zinc Homeostasis, \$73,500

Andrews, Glen K, NIH, A Mouse Model of Acrodermatitis Enteropathica, \$309,251

Bai, Hyoung Woo, Am Heart Assn Heartland, Modulation of COX-mediated formation of various arachidonic acid metabolites in vitro and in vivo by dietary polyphenols, \$26,000

Barkman Jr, Harold W, Children's Mercy Hospital & Clinics [Assn of Occupational & Environmental Cli], Region VII Pediatric Environmental Health Speciality Unit (PEHSU), \$26,376

Barohn, Richard Joel, FOOD AND DRUG ADMINISTRATION, Phase II Therapeutic Trial of Mexiletine in Non-Dystrophic Mytonia, \$301,055

Behbod, Fariba, NIH, Role of Cancer Stem Cells in Malignant Progression of Human DCIS, \$249,000

Biswas, Indranil, Am Heart Assn Natl, Mechanisms of Virulence Gene Regulation in Streptococcus Pyogenes, \$65,000

Biswas, Indranil, NIH, Mechanisms of Virulence Gene Regulation in Streptococcus mutans, \$251,742

Bott, Marjorie J, University of Nebraska Medical Center [NIH], The impact of quality end-of-life care in nursing homes, \$30,671

Carlson, Gerald M, University of Kansas Center for Research [NIH], Mentoring COBRE investigator Dr. Todd Holyoak, \$18,788

Carlson, Susan Elaine, NIH, DHA Supplement and Pregnancy Outcome, \$374,072

Carlson, Susan Elaine, NIH, DHA Supplement and Pregnancy Outcome, \$93,150

Cheney, Paul D, NIH, Cortical Control of Hindlimb Muscles in Primates, \$376,350

Cole, Karen, University of Utah [NIH], National Network of Libraries of Medicine, \$136,201

Copple, Bryan Lloyd, NIH, Role of Early Growth Response Factor-1 in Cholestatic Liver Injury, \$292,370

Cupertino, Ana Paula Fabrino Br, University of Kansas Center for Research [NIH], Implementing the Health for All Model with the Latino Community of Kansas City, \$34,469

Czirok, Andras, NIH, Role of fibronectin in vascular plexus self-organization during embryogenesis, \$257,250

Grant Renewals - continued

Daley,Christine Makosky, NIH, Using CBPR to Implement Smoking Cessation in an Urban American Indian Community, \$549,640

Delisle,Robert C, NIH, Impaired Intestinal Barrier Function and Airway Inflammation in Cystic Fibrosis, \$185,625

Dhillon,Navneet Kaur, NIH, Oral Delivery of Nanoparticles Encapsulated with HIV-DNA Vaccine, \$6,750

Dick,Arthur R, Muscular Dystrophy Assn, MDA Clinic Grant, \$17,550

Dick,Arthur R, Muscular Dystrophy Assn, MDA Clinic Grant, \$17,550

Dileepan,Kottarapp N, NIH, Mast Cell-Induced Inflammation in Vascular Disease, \$356,843

Dunton,Nancy E, American Nurses Assn, NDNQI 2007-2010, \$2,140,475

Dunton,Nancy E, American Nurses Assn, NDNQI 2007-2010, \$358,961

Dunton,Nancy E, American Nurses Assn, NDNQI 2007-2010, \$430,534

Dunton,Nancy E, American Nurses Assn, NDNQI 2007-2010, \$147,225

Dunton,Nancy E, American Nurses Assn, NDNQI 2007-2010, \$58,369

Dunton,Nancy E, American Nurses Assn, NDNQI 2007-2010, \$50,037

Dunton,Nancy E, American Nurses Assn, NDNQI 2007-2010, \$14,643

Dunton,Nancy E, American Nurses Assn, NDNQI 2007-2010, \$99,000

Durham,Dianne, University of Kansas Center for Research [NIH], Reactive Oxygen Species and Aging, \$84,230

Ellerbeck,Edward F, NIH, Centralized Disease Management for Rural Hospitalized Smokers, \$614,346

Fenton,Aron W, NIH, Dissecting Allosterity in Pyruvate Kinase, \$291,060

Fey,Marc E, Purdue University [NIH], Input sources of grammatical deficits in specific language impairment, \$233,976

Fox,Michael H, University of Kansas Center for Research [DEPARTMENT OF HEALTH AND HUMAN SERVICES], Medicaid Infrastructure Grant-WORK-Work Opportunities Reward Kansans (Comprehensive Employment and Systems Development), \$35,023

Fox,Michael H, KANSAS DEPT OF HEALTH AND ENVIRONMENT [Centers for Disease Control and Prevent], Modules C& F: Emergency Preparedness and Expanding State Disability Surveillance Capacity in Kansas, \$97,113

Grant Renewals - continued

Freeman,Joshua, DEPARTMENT OF HEALTH AND HUMAN SERVICES, Sunflower Clinical Scholars Program II, \$64,410

Gonzalez,Norberto C, NIH, Microvascular function in environment hypoxia, \$257,250

Grantham,Jared J, NIH, Kansas Polycystic Kidney Imaging Program (CRISPII), \$289,974

Greiner Jr,Keith A, NIH, Tailored Touchscreen Colorectal Cancer Prevention in Urban Core Clinics, \$569,247

Guo,Grace Liejun, NIH, Tissue specific mechanism of FXR in suppressing bile-acid synthesis, \$309,251

Gustafson,Kathleen Marie, NIH, The effects of docosahexaenoic acid (DHA) on fetal cardiac outcomes, \$185,625

Hagenbuch,Bruno Angelo, NIH, Molecular Characterization of Hepatic Organic Anion Transporting Polypeptides, \$285,625

Hanna-Pladdy,Brenda, NIH, Dopaminergic modulation of cognitive aspects of skill acquisition in parkinson disease, \$187,500

Hardwidge,Philip R, NIH, Host subversion by E. coli O157:H7 effector proteins, \$74,250

Heckert,Leslie L, NIH, Gonadal expression of FSH receptor, \$303,067

Heitzman-Powell,Linda S, University of Kansas Center for Research [DEPARTMENT OF EDUCATION], Peer Networks Intervention: Improving Social-Communication, Literacy, & Adaptive Behaviors., \$35,579

Holyoak,Todd, University of Kansas Center for Research [NIH], The Role of Dynamics in PEPCK Mediated Catalysis, \$213,150

Holzbeierlein,Jeffrey M, Kansas University Endowment Assn, Inhibitors of HSP 90 in prostate cancer, \$15,000

Hunt,Joan S, NIH, HLA-G at the Maternal-Fetal Interface, \$944,046

Hunt,Joan S, NIH, Kansas IDeA Network of Biomedical Research Excellence, \$3,622,489

Johnston,Judy Ann, United Methodist Health Ministry Fund, Self-Care Workshops with Followup and Evaluation, 63,771

Johnston,Judy Ann, United Methodist Health Ministry Fund, Healthy Congregations 2 Initiative, \$90,353

Kim,Kee Jun, University of Nebraska Medical Center [NIH], Cocaine & HIV: role of PDGF/PDGF-receptor axis in blood brain barrier disruption, \$161,226

Kimler,Bruce F, Am Cancer Society, Institutional Research Grant, \$90,000

Grant Renewals - continued

Kinsey,William H, NIH, Reproductive Biology: Early Pregnancy & Development, \$114,941

Kinsey,William H, NIH, Modification of Egg Plasma Membrane, \$233,896

Klaassen,Curtis, NIH, Nuclear Receptors in Liver Health and Disease, \$2,024,606

Klaassen,Curtis, NIH, Coordinate Regulation of Uptake and Efflux Transporters, \$29,960

Klaassen,Curtis, NIH, Coordinate Regulation of Uptake and Efflux Transporters, \$20,400

Klaassen,Curtis, NIH, Nrf2 as a master regulator in liver disease prevention and therapy, \$375,142

Kumar,Tunuguntla Rajendra, Wichita State University [NIH], Functional analysis of age-specific FSH analogs using genetically altered mice, \$221,706

Lai,Sue Min, KANSAS DEPT OF HEALTH AND ENVIRONMENT [Centers for Disease Control and Prevent], Kansas Cancer Registry, \$4,467

Langat,Daudi Kipngetch, NIH, Functional analysis of Paan-AG5, the baboon counterpart of HLA-G5, \$81,675

Layton,Kathy L, University of Kansas Center for Research [NIH], Novel HSP90 Inhibitors to Reduce Misfolded Proteins in Alzheimer's Disease, \$108,239

Levant,Beth, University of Michigan [NIH], Design, Synthesis, and Characterization of Dopamine Receptor 3 Ligands, \$83,437

Little Jr,Charles Durwood, NIH, Computational Biology of Vascular Cell Behavior, \$379,267

Little Jr,Charles Durwood, Mathers Charitable Foundation (Harold & Deciphering the biomechanical morphogenetic code, \$178,547

Lutkenhaus,Joseph F, NIH, Novel Approaches for Control of Microbial Pathogens, \$2,649

Luyendyk,James P, NIH, Mechanisms of xenobiotic-induced biliary inflammation and fibrosis, \$403,406

Martin,Laura E, NIH, Studies of reward processing and impulsivity in nicotine addiction and obesity, \$80,995

McDowd,Joan M, University of Nebraska Lincoln [NIH], Visual Attention in Aging: Bridging Experimental and Psychometric Approaches, \$11,096

Morris,Jill Kathleen, NIH, Relationship between nigrostriatal dopamine depletion and insulin resistance, \$27,137

Moser,Scott E, Assn of American Medical Colleges, Jaydoc Community Clinic Enhancement, \$4,000

Grant Renewals - continued

Nicot, Christophe Pierre, NIH, Uncoupling of Jak/STAT in HTLV-I-Associated Leukemia, \$223,440

Nudo, Randolph J, NIH, Reorganization of Motor Cortex Following Brain Injury, \$578,665

Nudo, Randolph J, NIH, Kansas University Training Program in Neurological and Rehabilitation Sciences, \$245,672

Nudo, Randolph J, University of Texas Health Science Center [NIH], Cortical Stimulation to Enhance Experience-Dependent Plasticity after Stroke, \$18,365

O'Brien-Ladner, Amy R, University of Kansas Center for Research [Wallace H Coulter Foundation], Drug Nanoparticle Powders in Pulmonary Medicine, \$6,000

Peterson, Kenneth R, University of Texas Southwestern Med Ct [NIH], Gamma Globin Induction: Molecular and Cell-Based Strategies, \$110,250

Pinson, David M, Private Sponsor, Research Project, \$3,483

Pinson, David M, Private Sponsor, Research Project, \$3,785

Pinson, David M, Private Sponsor, Research Project, \$18,236

Pinson, David M, Private Sponsor, Research Project, \$9,578

Rapoff, Michael A, NIH, Jointstrong Intervention for Juvenile Arthritis, \$82,349

Redford, Linda J, KANSAS DEPARTMENT ON AGING, Workforce Enhancement in Nursing Facilities, \$29,400

Redford, Linda J, KANSAS DEPARTMENT ON AGING, Workforce Enhancement in Nursing Facilities, \$1,050

Redford, Linda J, KANSAS DEPARTMENT ON AGING, Workforce Enhancement in Nursing Facilities, \$2,516

Redford, Linda J, KANSAS DEPARTMENT ON AGING, Workforce Enhancement in Nursing Facilities, \$1,630

Rongish, Brenda Jean, NIH, Computational Imaging of ECM During Avian Heart Morphogenesis, \$331,125

Sittampalam, Gurusingham Sitta, Kansas Bioscience Authority, Targeting Novel Wnt-PTEN Pathways in Cancer Stem Cells Using High Content Imaging Screens, \$103,405

Smith, Carol E, NIH, HF Group Clinic Appointments: Rehospitalization Prevention Clinical Trial, \$657,730

Smith, Peter G, NIH, Female pelvic pain, hormones, and neuroplasticity, \$258,617

Grant Renewals - continued

Smith, Peter G, NIH, Mechanisms of Sympathetic Axon Pruning, \$318,274

Soares, Michael J, NIH, Decidual Cell Adaptations to Physiological Stressors, \$295,936

Soares, Michael J, NIH, Trophoblast Differentiation, \$295,936

Staecker, Hinrich, DEPARTMENT OF DEFENSE, Hair cell regeneration in a rat tinnitus model, \$432,597

Staker, Martha D, Unified Government of Wyandotte County, Project EAGLE Community Programs: Healthy Families
Wyandotte County, \$27,279

Staker, Martha D, Kansas Head Start Association, Early Head Start Expansion and Enhancement, \$96,280

Stephens, Edward B, NIH, The Role of VPU in HIV-1 Pathogenesis, \$356,913

Sullivan, Debra Kay, Private Sponsor, Research Project, \$16,056

Sullivan, Debra Kay, University of Kansas Center for Research [NIH], Resistance Training Energy Balance and Weight Management, \$57,898

Swagerty Jr, Daniel L, University of Texas Health Science Center [Donald W Reynolds Foundation], Geriatrics Education and Training-in-Texas Program, \$13,000

Tash, Joseph S, NIH, Interdisciplinary Center for Male Contraceptive Research and Drug Development, \$1,547,564

Terranova, Paul F, Kansas Bioscience Authority, Renovation of the Wahl Hixon Research Complex for Basic and Translational Cancer Research (Wahl Hixon), \$2,640,000

Timberlake, George T, Veteran Affairs Medical Center, Effect of Bilateral Macular Scotomas on Performance of Manual Tasks, \$138,240

Van Hoose, Lisa Delores, NIH, Exercise Delays Diabetic Heart Disease by Restoring Adipose Insulin Sensitivity, \$27,609

Wang, Pan, DEPARTMENT OF DEFENSE, Prediction of A Chemical's Estrogenic Activity for Human Estrogen Receptor a and b by Using Molecular Computational Tools, \$26,201

Weir, Scott James, University of Kansas Center for Research [NIH], Novel Hsp90 Inhibitors to Reduce Misfolded Proteins in Alzheimer's Disease, \$11,164

Williams, Phoebe D, Alex's Lemonade Stand Foundation for Chi, The therapy-related symptom checklist for children (TRSC-C): systematic monitoring of symptoms to improve oncology interventions, \$50,000

Wright, Douglas E, Juvenile Diabetes Foundation Intl, Glyoxalase I and AGE Formation in Painful Diabetic Neuropathy, \$148,500

Grant Renewals - continued

Zhu, Bao Ting, NIH, Dietary Polyphenols are Consequential Epigenetic Modulators of Gene Expression, \$349,706

Zueckert, Wolfram, NIH, Lipoprotein Transport in Borrelia Spirochetes, \$346,563

Notices posted for awards received 01/01/2010 - 06/30/2010. If we have missed a notice of an award, please accept our apologies and notify us so that we may include your achievement in the next newsletter: researchinsitute@kumc.edu

Meet the Staff - *Sponsored Programs Administration (SPA)*



Deborah Maloney joined the Research Institute in September 2006 as an accounts payable specialist in the Administration and Finance Division. In February 2007, she moved into the position of policy coordinator where she worked with RI division directors, the associate vice chancellor for research administration, the vice chancellor for research, department chairs, center directors, and faculty members, creating policies and procedures specific to the Research Institute. In August 2008, Deborah coordinated and launched the Research Institute Newsletter. Several months later, Deborah accepted the position of pre-award grant specialist in the Sponsored Programs Administration Division while retaining her duties as policy coordinator. Recently, the position has expanded into that of senior grants specialist

and team leader of Team Two. She is responsible for assisting researchers whose last names fall in the range N through Z with proposal review and submission, progress reports, just-in-time processing, notice of grant awards, and overall grant administration. Deborah stated that she enjoys the policy work, but she missed the interaction with the researchers. In her previous job at KUCR, she had daily contact with researchers and department staff. "I am aware that the administrative side isn't why a scientist goes into research, and I want to ease that burden so researchers can concentrate on more important matters. My hope is that I am successful in doing that." Deb also represents the Research Institute as a member of the KU International Work Group, an informal work group that meets on the Lawrence campus to discuss tax, legal, immigration, financial, and other work-related issues that affect our international students, employees, and vendors.

Deborah holds a Master of Science in Management degree from Baker University, a Bachelor of Arts in English degree from The University of Kansas, and an Associate of Arts degree from Johnson County Community College. In May 2010, she completed the Research Administrators Certification Council's examination for research administration and holds a certificate as a Certified Research Administrator. She is also a member of the National Council of University Research Administrators. Deborah worked in the Business Services Division of the University of Kansas Center for Research, Inc. for thirteen years prior to joining the Research Institute.

For fun, she very much enjoys excursions as a passenger-rider on a BMW R1200 GS Adventure motorcycle. But the gauntlet had been thrown for her to become an independent rider, so she enrolled in the Worth Harley-Davidson Rider's Edge® course and has earned her Motorcycle Safety Foundation® completion certificate.



From the Divisions of the Research Institute

ADMINISTRATION

The Administrative Service group ensures that Research Institute operations run effectively. The Director of Human Resources works with all of the members of the organization to ensure adherence to all personnel and Research Institute policies. Our systems administrator ensures that our computer hardware, software and data storage capabilities are up to date and functioning at maximal capacity. Our financial systems analyst plays a key role in ensuring that F&A disbursements are made properly, that our faculty are within compliance with respect to effort reporting and that KUMC is always competitive with respect to its F&A rates.

CONTRACTS DIVISION AND THE CLINICAL RESEARCH ADMINISTRATION DIVISION

The Contracts Division and the Clinical Research Administration Division (CRA) have implemented combined clinical research /trial budgets and contracts negotiation into one role (Budget and Contract Specialist) to facilitate service integration and shorten administrative time lines. Agreements continue to be reviewed for technical and contractual issues and have the benefit of the continuity of one contact for you throughout the budget and contract negotiation phase. Personnel from the Contracts Division continue to train and advise on contractual issues and will focus on policy and complex issues.

Contracts Division Update

Confidentiality agreements and material transfer agreements must be reviewed by the Research Institute to ensure that your rights and the University's rights are protected. If you have received a confidentiality agreement or need one created, please send those requests to Brenda Dolan (bdolan2@kumc.edu 913-588-5710) in the Contracts Division.

Kelli Cummins-Brown joined the Research Institute as Director, Contracts and Corporate Counsel. Kelli enjoys working with everyone to achieve goals and looks forward to continued interaction. Kelli is looking forward to meeting KUMC faculty and staff, and if you would like to meet with Kelli, please contact her (kcummins-brown@kumc.edu 913-588-2617).

CRA Update

Clinical Research Administration Division (CRA) provides a one stop shop service for all clinical trials. The department maintains communications with the Human Subjects Committee, Physicians, study teams, various hospital and institutional departments and sponsor's. New editions to the division this year not only include project managers Jessica Box and Stephanie Weiland, but a separate approval process with the Hospital. Research is a high priority within the hospital and it has been a wonderful addition to incorporate the hospital through the study submission phase of all clinical trials.

CRA continues to offer Clinical trials education lectures and round table seminars. Once again the Research Institute is pleased to announce that it is hosting the Society of Clinical Research Associates (SOCRA) exam prep program and exam for all Clinical Research Professionals in the region. If you have any additional questions or need additional services please contact Molly Gunter, Interim Clinical Research Administration Division Director at mgunter@kumc.edu or 913-588-5969.

FINANCE

The AP department is working hard to complete our year end close and to prepare for our AGH auditors.

Congratulations to Annie Landreville as our new Assistant Controller and Jackie McGrew as our Accounts Payable Accountant Lead. These title changes acknowledge the growth in their roles at the Research Institute.

Finally, we wish to welcome Terri Evans as our new Controller of the Research Institute. Terri has extensive experience in non profit finance, including nearly 15 years as Chief Financial Officer of Campfire USA.

KU CENTER TECHNOLOGY COMMERCIALIZATION

The KU Center for Technology Commercialization is pleased to invite three law externs from the University of Missouri at Kansas City for the upcoming school year. They are Matthew Strobbe, with experience in legal research; Daniel Berezoski, with experience in scientific research; and Robert Chisholm, a former post-doctoral fellow at Stowers Institute. Matthew has a bachelor's degree in computer Science and has worked as both a software engineer and a legal intern for Cerner Corporation. He has also interned with the law firms Harrison Law Firm, of Liberty, MO and Gunn, Shank, & Stower P.C., of Kansas City, MO. While at Cerner, Matthew gained experience performing technical analysis and research on software and medical process patents. Daniel worked as a research assistant at M.D. Anderson Cancer Center and Baylor College of Medicine, Houston, TX. He has earned two bachelor's degrees, one in biology from University of Houston, and the other in genetics from TAMU, College Station, Texas. Daniel has worked as an intern in the Harris County District Attorney's Office Juvenile Division at Houston. Robert is a first year law student, who earned his bachelor's degree in biochemistry from KU, and his Ph.D. in biochemistry from University of Oregon. As a science advisor in the Technology Entrepreneurship Program at University of Oregon, Robert advised law students on assessing commercial potential of scientific technologies.

More news from KUCTC is located on the web at <http://www.ctc.ku.edu/news/newsletters.shtml>

SPONSORED PROGRAMS ADMINISTRATION

NIH Update

Restructured Application Forms and Instructions

NIH is enhancing its Peer Review Process to improve the quality and transparency of review. One of the goals associated with this priority is to shorten the Research Plan and align it with review criteria. Restructured paper PHS 398 and electronic SF 424 (R&R) application packages and instructions will be required for all applications submitted for due dates on or after January 25, 2010. Changes were announced in [NOT-OD-09-149](#) and [NOT-OD-10-002](#). Many of the changes to the application were made to coordinate with review criteria used by reviewers in their assessment of scientific and technical merit. Please note all applications for due dates on or after January 25, 2010 **must** use new forms and instructions. The new changes also include shorter page limit for the new Research Strategy section to 6 or 12 pages.

Revised Progress Report (eSNAP changes)

NIH policy changes for non-competing progress report:

- Report those in a postdoctoral role for one person month or more
- Provide Commons ID for postdocs

Cayuse Update

Research Institute has implemented Cayuse as its new proposal development system since April 2009. Cayuse is a web-based solution for grant proposal preparation and system-to-system submission to Grants.gov. Cayuse's proposal development system has offered many advantages to the KUMC research community. One of the primary benefits of the system is the ability to share information between proposals and within proposals. Institutional information and PI profile are stored in the system and will automatically be populated into the proposal. Budget information can be escalated throughout the proposal, eliminating manual calculations and the errors that can cause. Errors and warnings are immediately identified for user to take action before submission. Also, a completed proposal can be copied and submitted through a different RFA. As of November 25, 70 users had received the training and 170 proposals had been submitted through Cayuse. Please email spa@kumc.edu for Cayuse training schedule.

Thank You

The KUMC Research Institute would like to thank the following individuals for their contribution to the newsletter: Ivy Feng,

Submission deadline for the winter issue is February 1, 2011

Questions, comments, submission, and subscribe/unsubscribe, please contact Kelly Robertson at researchinstitute@kumc.edu

The KUMC Research Institute newsletter is also available on the KUMC Research Institute website: <http://www2.kumc.edu/researchinstitute/newsletter/ri.html>

Calendar of Events

September

- 1 - Submit poster information for Faculty Research Day, deadline September 30
- 15 - CTELS @ 12 p.m.; KUMC-Wahl West Auditorium/Wichita-Great Plains or Wichita
- 16 - NCURA Workshop "Non-Financial Research Complianace" @ 9 a.m.; B018, SON
- 17 - SoCRA Exam registration deadline www.socra.org
- 30 - Last day to submit poster information

October

- 13 - CTELS @ 12 p.m.; KUMC-Wahl West Auditorium/Wichita-Great Plains or Wichita
- 18 - E-Posters for Faculty Research Day are due
- 28 - SoCRA Prep/Review @ 8 - 4 p.m.; 4016 Varnes, Register at www.socra.org
- 29 - SoCRA Certification Exam @ 8 - 12 p.m.; 4016 Varnes, must be registered

November

- 10 - CTELS @ 12 p.m.; KUMC-Wahl West Auditorium/Wichita-Great Plains or Wichita
- 12 - Faculty Research Day @ 12 - 3:30 p.m.; SON Auditorium
- 12 - Faculty Research Day Poster Session @ 3:30 - 5:30 p.m.; Beller Conference Center

December

- 8 - CTELS @ 12 p.m.; KUMC-Wahl West Auditorium/Wichita-Great Plains or Wichita
- 9 - NCURA Workshop, "Negotiating Federal Contracts and Pass-Through Awards" @ 9 a.m.; B018, SON

Future Notices:

- January 6, Faculty Travel Awards Application, due
- May 1, Nominations for Chancellors Club, due
- May 1, Faculty Travel Awards Application, due

September						
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31						

November						
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December						
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Fall 2010

Clinical Trials Educational Lecture Series

Wednesdays, 12:00-1:00 pm

Locations: Wahl Hall West Auditorium or G013 SoN / Great Plains Room or Wichita Room

- **September 15, 2010**

Speaker: Karen Blackwell

Topic: "How and When to Report Adverse Events and Protocol Deviations"

Location: Wahl Hall West Auditorium/Great Plains Room

- **October 13, 2010**

Speakers: Judy Otey/Jody Mahan

Topic: CTU/GCRC services and charges-updated information

Location: Wahl Hall West Auditorium/Wichita Room

- **November 10, 2010**

Speaker: Carol Cleek

Topic: Nursing services—how it impacts, study coordinator responsibilities for information, nursing services, expectations, problems, etc.

Location: Wahl Hall West Auditorium/Great Plains Room

- **December 8, 2010**

Speaker: Mei-Shya Chen

Topic: How to apply for grants/funding opportunities

Location: Wahl Hall West Auditorium/Great Plains Room



Clinical Research Administration Educational Opportunities Fall 2010

Clinical Trials Educational Lecture Series (CTELS)

Wednesdays, 12:00–1:00pm, Wahl Hall West Auditorium / Great Plains Room-Wichita

September 15
October 13
November 10
December 8

Society of Clinical Research Associates (SoCRA) Preparation and Review Course

October 28 4016 Varnes, SoN 8:00am–4:00pm

Hosted by KUMC Clinical Research Administration

- Registration/Application at SoCRA's website: <http://www.socra.org>; registration fees:
SoCRA member: \$295, Non-member: \$370

Society of Clinical Research Associates (SoCRA) Certification Exam

“Certified Clinical Research Professional” or “C.C.R.P.”

October 29 4016 Varnes, SoN 8:00am–12:00pm

Hosted by KUMC Clinical Research Administration

- Registration/Application at SoCRA's website: <http://www.socra.org>; registration fee:
SoCRA member: \$195
- Registration Deadline September 17, 2010

September 16, 2010
9:00 AM – 1:00 PM
B018 School of Nursing at
The University of Kansas Medical Center

Please register at – <https://www2.kumc.edu/PDFATraining/>

Non-Financial Research Compliance

Given the continuously changing research environment, central and departmental administrators have had to equip themselves with the latest information in order to respond to and manage their institutional research efforts. Research administrators must familiarize themselves with the various research compliance areas that will impact their daily activities, such as research integrity, conflict of interest, protection of human subjects, care and use of animals in research, use of hazardous agents and recombinant DNA. To assist with daily decision-making, this program will include information on regulatory requirements and recent developments in relation to research compliance. Institutions can benefit by learning how others are adapting to the continuously changing research environment.

Learning Objectives

Participants will have a better understanding of the principles, requirements, and best practices in relation to:

- Research and scientific integrity
- Responsible conduct of research
- Care and use of laboratory animals
- Human subjects protection
- Use of hazardous materials, including rDNA
- Conflict of interest oversight update

Moderator: **Robert Lowman**, Associate Vice Chancellor for Research, University of North Carolina at Chapel Hill

Panel: **Jilda Garton**, Associate Vice Provost for Research and General Manager of GTRC/GTARC, Georgia Institute of Technology; **Jamie Caldwell**, Director, Office of Research Services for the Health Sciences, Loyola Medicine, Loyola University Chicago; **Sharon DeMarse**, Senior Financial Analyst, Clinical Science Unit, Lombardi Comprehensive Cancer Center, Georgetown University Medical Center

To register for this event please visit <https://www2.kumc.edu/PDFATraining/> or for inquiries contact Kelly Robertson at krobertson@kumc.edu or 913/588-5436

* Two breaks and beverages will be available. You are welcome to bring your own lunch

** This is a DVD of the NCURATV program that was aired via satellite on June 15, 2010

December 9, 2010
9:00 AM – 1:00 PM
B018 School of Nursing at
The University of Kansas Medical Center

Please register at – <https://www2.kumc.edu/PDFATraining/>

Negotiating Federal Contracts and Pass-Through Awards

Award negotiation encompasses a scope of activities between proposal submission and award acceptance. The successful negotiation of federal contracts and federal pass-through subcontracts is becoming increasingly complex due to a range of issues – such as troublesome terms and conditions, export control concerns, and new legislation regarding privacy protections, to name just a few. This session is designed to benefit individuals involved in negotiating agreements with federal and federal pass-through entities, as either prime awardees or subawardees, and will include some discussion of complex federal grants and cooperative agreements.

Learning Objectives

Participants will develop a better understanding of, and a resource toolkit for addressing, the following aspects of contract negotiation:

- The structure of the Federal Acquisition Regulation (FAR), codified as Title 48 of the Code of Federal Regulations, and some of the resources to aid understanding and interpretation of contract terms.
- Troublesome clauses related to intellectual and other property, publication restrictions, cost-reimbursement and fixed-price costing options, and new privacy-protection laws as they impact universities.
- Contract terms related to termination for convenience, small business subcontracting, stop work orders, and equipment ownership.
- Negotiation planning, strategies, techniques, and approaches to developing alternative language and solutions.
- An overview of some of the electronic award systems used by various sponsors.

Moderator: **David Richardson**, Associate Vice President for Research, The Pennsylvania State University

Panel: **Vincent A. “Bo” Bogdanski**, Assistant Director, Office of Sponsored Programs, Colorado State University; **Michele Codd**, Administrative Director, Institute for Software Integrated Systems, Vanderbilt University **Randall Draper**, Director, Office of Contracts & Grants, University of Colorado at Boulder

To register for this event please visit <https://www2.kumc.edu/PDFATraining/> or for inquiries contact Kelly Robertson at krobertson@kumc.edu or 913/588-5436

* Two breaks and beverages will be available. You are welcome to bring your own lunch

** This is a DVD of the NCURATV program that was aired via satellite on September 21, 2010