

The Record

GRANTS AND AWARDS

University of the Pacific. Lena Kang-Birken has received a grant of \$19,254 from the Society of Infectious Diseases Pharmacists (SIDP) under the SIDP/Pfizer research grants program for the project titled, "Effects of early and delayed exposure to azithromycin on the biofilm cells of *S. epidermidis*."

University of Colorado. John Carpenter and Ted Randolph have received \$57,000 plus a \$50,000 match in supplies and analysis for the project, "Mechanisms of protein stabilization by nonionic surfactants" from the Colorado Institute for Research in Biotechnology and Amgen.

University of Connecticut. Alexandras Makriyannis has been selected by the National Institute of Drug Abuse for a MERIT award to investigate the "Molecular basis of cannabinoid activity." The award represents a five-year continuation of his five-year \$1.5 million grant received in 1997. His research was selected by NIDA program staff and endorsed by the National Advisory Council on Drug Abuse.

Florida A&M University. Clivel Charlton has received funding from the National Institutes of Neurological Disorders & Stroke in the amount of \$862,522 for four years for the project titled, "Excess methylation and Parkinson's Disease: Proposed mechanisms of action." Mandip S. Sachdeva has been awarded \$270,000 for three years from the NASA/Faculty Award Program for the project titled, "Development of a transdermal delivery device for melatonin in vivo." Malak Kolta has received a grant of \$150,000 for one year funding from the US EPA/CDAI Traineeship Award GEM Consortium for the project titled, "Graduate training in environmental toxicology."

University of Florida. Nicholas S. Bodor has received funding from the Knoll Pharmaceutical Company in the amount of \$125,000 for one year for the project titled, "Brain targeting of anti-stroke compounds." Earlene E. Lipowski has been awarded an amount of \$27,320 from U. S. Pharmacopeial Convention for one year for the project titled, "A monograph on retrospective DUR profiling for the United States Pharmacopeia." Raymond J. Bergeron received a grant from Warner-Lambert and Park-Davis Company in the amount of \$23,000, for one year for the project titled, "Metabolism of diethylnorperidine." Hartmut C. Derendorf has received

\$100,000 for one year from Glaxo Wellcome Inc. for the study titled, "Pharmacokinetic and pharmacodynamic evaluation of fluticasone propionate and budesonide after single and bidaily inhalation." Jeffery A. Hughes has been awarded \$142,659 for one year from the NIH Institute on Aging for the project titled, "Discovery of novel drugs for Alzheimer's Disease." Jeffery A. Hughes has received a grant from PDA FDTN for Pharmacy Sciences in the amount of \$15,000 for a three-year period for the project titled, "Formulation of stable gene delivery systems." Ralph Dawson has been awarded a grant by the American Heart Association - Florida, in the amount of \$49,973 for one year for the project, "Renal transport of dopamine in hypertension." He also has received \$25,660 from Taisho Pharmaceutical Company, Ltd. for one year for the project titled, "The free radical hypothesis of aging and the potential antioxidant and neuroprotective roles of taurine." James W. Simpkins has been awarded an amount of \$75,000 from Apollo Genetics for one year for the project titled, "Neural cytoprotective effects of estrogen and related steroids." Donna H. Berardo has received a grant from Merck and Company, Inc. in the amount of \$20,000, for one year for the project titled, "Economic and social costs of osteoporosis for patients in a practice setting." Dr. Leslie S. Hendeles has received funding from BioPharm Clinical Services for one year in the amount of \$50,312, for the project titled, "Exercise challenge dose response study of HFA-134A buti-xocort propionate, CFC-11/12 beclomethasone dipropionate," and \$331,822 for one year from Dura Pharmaceutical for, "A pilot study of the dose-response of inhaled beclomethasone for attenuating airway." John G. Guns has received \$20,589 from Merck and Company, Inc. for one year for the project titled, "Hypertension optimal treatment study."

Mercer University. Michael W. Jann has received the following grants from Solvey Pharmaceuticals: \$13,000, for the study, "In vitro metabolism of xenobiotics," and \$67,000 for "Pharmacokinetics of new xenobiotics." He also has received \$207,000 from Eisai for a double blinded controlled trial of donazepetil for the treatment of patients with stroke dementia.

Idaho State University. Karl Madaras-Kelly, been awarded a \$38,975 grant from Pfizer Roerig for the project titled, "A pharmacodynamic comparison of trovafloxacin, ciprofloxacin, cefazolin, and vancomycin against skin and soft tissue pathogens." Dr. Madaras-Kelly has also received a \$4,800 award from Hoffman-LaRoche for the project, "A retrospective review of protease inhibitor prescribing practices in HIV patients: The potential and incidence of drug

interactions." Barbara J. Mason has received a grant of \$8,250 from the University of Arizona for the project titled, "Development and implementation of a structured pharmaceutical care approach to the management of ambulatory patients with hyperlipidemia." Dana L. Diedrich has been awarded a \$100,000 grant from the U. S. Department of Health & Human Services for the project titled, "Enhanced core research laboratories at Idaho universities."

University of Illinois. The following have received NIH grant awards: Cindy K. Angerhofer, \$87,788, for the project, "Discovery and characteristics of potential antimalarial agents;" Judy Bolton, \$107,400, for the study, "Biotransformation of estrogens to carcinogenic quinoids;" Karol Bruzik, \$246,000, for the acquisition of a 40 MHz NMR spectrometer; Alan D. Kinghorn, \$24,995, for the research project, "Novel strategies for plant-derived anticancer agents;" Alexander Mankin, \$190,549, for the project titled, "Interaction of antibodies with ribosomal RNA;" John M. Pezzuto, \$220,454, for the study, "In vitro prescreening in various classes of chemopreventive agents," and \$465,523, for the project, "Natural inhibitors of carcinogenesis;" Djaja D. Soejarto, \$311,979, for "Plant collections and taxonomy - Task B, Southeast Asia;" Richard B. Van Breemen, \$146,209, for the project titled, "Prevention of DNA oxidation by tocopherol and carotids," and \$209,000 for acquisition of an electrospray mass spectrometer.

University of Kansas. The following have received NIH grant awards: Ronald T. Borchardt, \$ 156,957 for one year for, "Pharmaceutical aspects of biotechnology training;" and \$210,670 for research titled, "Cyclic prodrugs of opioid peptides;" Richard L. Showen \$189,476 for the study, "Peptide degradation in polymer matrices;" Valentino J. Stella \$162,771 for the project titled, "Formulation development and manufacture of pharmaceutical dosage forms for treatment of infectious diseases;" Robert P. Hanzlik \$145,633 for, "Medicinal chemistry and pharmacology;" Elias K. Michaelis \$190,270 for research on, "Antibodies to NMD A receptor subunits altered by ethanol;" \$912,102, for the study, "Role of reactive oxygen species in aging;" and \$227,518 for the project titled, "Molecular actions of alcohol in brain-model membranes." Raymond G. Davis has received a grant in the amount of \$17,500 for the project titled, "Review of people without health care insurance in Kansas;" from the Kansas Department of Health and Environment.

University of Kentucky. The following have received NIH funding: Daniel Tai, \$137,722, for research entitled, "Enzymes in prostaglandin metabolism;" Jim Pauly, \$108,385, for the study, "Effects of prenatal nicotine exposure on brain nAChr;" Myron Jacobson, \$186,493, for research titled, "Alteration on NAD metabolism by chemical carcinogens;" Robert Blouin, \$58,800, for the project, "Mechanisms of brain injury and its systemic sequelae;" and Thomas Burke, \$313,438, for the study, "Lipophilic camptothecins for cancer treatment." The following have received grant awards from the Kentucky Cabinet of Human Resources: Robert Littrell, \$639,166, for the project titled, "Research and information system management for the Kentucky Department of Mental Health and Mental Retardation Services;" and Clifford Hynniman \$308,494, for, "Kentucky Medicaid Program. Thomas Burke, has been awarded funding from the American Cancer Society in the amount of \$88,000, for research entitled "Chemical dynamics of camptothecin drugs in human blood." The following have received grant support from the American Heart Association KY Affiliate: Robert Lodder, \$22,000, for to study, "Near-infrared imaging of lipoproteins in carotid plaque;" and Ching-Shih Chen, \$22,000, for research titled, "Phosphoinositide 3-kinase signaling in platelets."

University of Montana. Rustem Medora has been awarded a three-year grant in the amount of \$454,711 from the HHS Health Career Opportunity Program.

Northeast Louisiana University. Kevin Baer has received funding from the DuPont Educational Aid Program for Science and Engineering in the amount of \$12,500 to enhance teaching and research in aquatic toxicology. Samir A. Kouzi has been awarded a research grant from the National Cancer Institute in the amount of \$90,400 for a two-year period for the project entitled, "Biotransformation of the anticancer agent betulinic acid." Representing Louisiana Institute of Toxicology at Northeast Louisiana University, Harihara Mehendale has received a grant from Agency for Toxic Substances and Disease Registry (ATSDR) for \$512,000 in support of the five-year project for a "Research program for the development of methods for toxicity assessment of environmental chemical mixtures." Carey Pope has been awarded a three-year STAR (Science to Achieve Results) grant totaling \$438,210 to study mechanisms of age-related differences in sensitivity to single or combined exposures to organophosphorus pesticides. Tracy Hunter and Gamal Hussein have received funding in the amount of \$17,500 from Roche Laboratories, Inc. for the project entitled, "Toradol outcomes/research program." Tracy Hunter and Sandra Blake have received funding in the amount of \$10,000 from Astra Merck & Co for Health Education for Louisiana Program focusing on peptic ulcer awareness and *H. pylori* eradication.

Xavier University. The following have received grant awards from the NIDA: Minority Institutions Drug Abuse Research Program. Tien Huang, \$8,092 for "Anti-pneumocystis *Carinii pneumonia* agents for alcoholic AIDS patients; Tarun Manal, \$100,985 for "Development of a biodegradable drug delivery system to treat addiction;" and Shashikant Phadtare, \$94,107 for "New acrylic phosphonate nucleotide analogs for AIDS therapy." The following have received research support from the Substance Specific Applied Research Program (Superfund) - Agency for Toxic Substances and Disease Registry: Marcus Iszard, \$118,508 for the study, "Developmental toxicity of benzene in rats and mice;" Howard Mielke and Gerelyn Henry-Sam, \$116,448 for research titled, "Multimedia study of lead, cadmium, zinc, and benzene in an urban environment;" Burde Kamath, Gerelyn Henry-Sam, and Marc Welt, \$132,138, for the project, "Developmental toxicity of benzene in two species offish;" and Harold Komiskey and Howard Mielke, \$138,641 for research titled, "Neurotoxicity of subchronically administered zinc in rats."

University of Nebraska. Alexander Kabanov has received funding from NSF in the amount of \$200,000 for two years for the project titled, "Soluble complexes of DNA with cationic block copolymers."

Rutgers University. Allan Conney has been awarded \$789,403 from the National Cancer Institute for "Cancer cause and prevention research." Mou-Tuan Huang has received \$170,695 from the NIH-NCI for the study, "Inhibition of breast carcinogenesis by dibenzoylmethane." Patrick Sinko has received \$153,000 from Biogen, Inc. for the project, "Oral absorption and biopharmaceutics of BG-9719, an adenosine 1 antagonist." Kevin Sweder has been awarded \$88,676 from the National Institute of General Medical Sciences for the research project, "Rad26 function in transcription-coupled DNA repair." Paul Thomas has received \$277,552 from the National Institute of General Medical Sciences for the research titled, "Regulation and function of P450 3 A gene family isozymes." Chung Yang has been granted \$29,010 from Westat for the study, "Fat soluble vitamin analysis of 967 SBN #1A9014 serum specimens." Renping Zhou has been awarded \$185,805 from the NIH-NINDS for the research project, "Eph molecules in hippocampal topographic projections." Bao Ting Zhu has received \$135,403 from the NIH to study "Effects of smoking or PCBs on human estradiol metabolism."

University of North Carolina. Anthony Hickey has received funding from the Alternatives Research and Development Foundation in the amount of \$20,000 for one year for the project entitled

“Pharmaceutical aerosol disposition in a simulated lung utilizing human bronchiolar epithelial cells.” Edward LeCluyse has been granted from Glaxo Wellcome an amount of \$121,500 for five years for the project entitled “P450 enzyme induction in primary cultures of human hepatocytes.” Joseph Norwood has received \$5,816 from Glaxo Wellcome for one year for the project entitled “A cost benefit analysis of the introduction of steroid inhaler use in Medicaid asthmatic populations” Dhiren Thakker has received funding from the North Carolina Biotechnology Center in the amount of \$40,000 for the project entitled “Combinatorial approach for development of structure-metabolism relationships.”

North Dakota State University. Jagdish Singh has been awarded an amount of \$282,725 from the Defense Special Weapons Agency for the project titled, “Pig as a model for risk assessment for humans from percutaneous absorption of chemicals.”

Ohio State University. R. V. Pozderac and George H. Hinkle Jr. have received \$11,928 from Diatide, Inc. for the project titled, “Clinical study to evaluate the safety and efficacy of technetium Tc-99 P829 for detection and localization of somatostatin receptor-expressing neuroendocrine tumors.” James A. Visconti has been granted \$85,650 from Roxane Laboratories, Inc. for the study titled, “Compatibility/stability of duraclon in normal saline in combination with preservative-free morphine, preservative-free bupivacaine, fentanyl and hydromorphone.” Robert W. Curley has been awarded a grant by the National Science Foundation in the amount of \$120,000 for the project titled, “Synthesis and use of chiral beta-deuterated amino acids for NMR studies of protein structure.” R. R. Kumar and Jessie. L. Au have received \$72,991 from the National Cancer Institute for the project titled, “Pharmacodynamics of agents for bladder cancer therapy: Supplement to promote reentry into biomedical and behavioral research careers.” Anthony P. Young has been granted \$162,572 by the National Institute of Neurological Diseases and Stroke to study, “Modulation of NO synthase gene expression in CNS neurons.” Sylvan G. Frank has received funding from Astra in the amount of \$36,500 for the project titled, “Novel drug delivery systems.” Robert W. Brueggemeier has received \$365,783 from National Cancer Institute for the project titled, “Program development grant on breast cancer.”

Duquesne University. Pui-Kai Li has been awarded a two-year grant from Kyowa Pharmaceuticals, Inc. in the amount of \$130,000 for the development of sulfatase inhibitors. John L. Schlict is a co-investigator for the grant awarded by Shadyside Hospital in the amount of \$11,000 to study, “A prospective randomized trial comparing quinapril to losartan in preventing progression on albuminuria in Type II diabetic patients.” Christianah M. Adeyeye has received \$3,500 from Cydex L.C. for “Characterization of Danzol-SBE inclusion complexes.”

University of Pittsburgh. Carlene S. Baum has received a grant from NIH in the amount of \$107,072 for the project, titled, “Medication compliance in organ transplant recipients.” Robert B. Gibbs has been awarded an NIH grant of \$659,970 for a three-year project, “Effects of estrogen of NGF-related systems in brain.”

University of South Carolina. James J. Sterrett has received a South Carolina AHEC community-based education award in the amount of \$14,000 for the project titled, “Pharmaceutical care in a rural interdisciplinary setting with emphasis on diabetes respiratory disease, and hypertension.”

University of Houston. The following have received grant awards from the American Heart Association - National Center : Carlos Pedemonte, \$55,000, for the project titled, “Molecular mechanism of short-term regulation of the renal Na-pump;” Richard Bond, \$41,363, for research titled, “A proposed modification of receptor theory based upon demonstration of the constitutive activity of

unliganded receptors;” Lindsay Schwarz, \$20,900, for, “Molecular mechanisms of exercise-mediated prevention of myocardial stiffness ad ventricular hypertrophy in aging rats;” Charlotte Tate, \$20,900, for the project titled, “Molecular mechanisms of exercise-mediated prevention of myocardial stiffness and ventricular hypertrophy in aging rats.”

Texas Southern University. Pedro J. Lecca has received funding from the National Center for Research Resources (NCRR), National Institutes of Health (NIH) in the amount of \$1.5 million for an Extramural Research Facilities Construction Project. This award combined with an institutional (TSU) commitment of \$3.5 million will result in construction of a new \$5.0 million 16,500 square foot research addition to the College of Pharmacy. Pedro J. Lecca has received from the National Center for Research Resources NIH an amount of \$751,136 in support of research initiatives through the Research Center in Minority Institutions for the Study of Ethnic Diseases. The research projects relate to: vascular diseases and disorders; HIV/AIDS infection; environmental toxicology biomarkers; and, support of molecular biopharmacology and tissue culture laboratories. Polly Turner has received funding from the U.S. Department of Health and Human Services (DHHS), Health Resources and Services Administration (HRS A), Division of Disadvantaged Assistance (DDA) an the amount of \$185,817 to conduct the Health Careers Opportunity Program (HCOP). Barbara E. Hayes has received the Texas Southern University Research Scientist Award in the amount of \$100,000 from the National Institutes of Health (NIH) - National Heart, Lung, and Blood Institute. She also has received \$47,786 through the U.S. Department of Education Patricia Roberts Harris Program. Arun Jadhav has been awarded an the amount of \$232,435 from the Agency for Toxic Substances and Disease Registry (ATSDR) through the Minority Health Professions Foundation (MHPF) for “Studies of Neurobehavioral Toxicity of Lead.” In addition, he has received \$56,057 for the administration of the Minority Center for Toxicological Research (MCTR). Chander S. Mehta received funding in the amount of \$148,010 from the Agency for Toxic Substances and Disease Registry (ATSDR) through the Minority Health Professions Foundation (MHPF) for “Assessment of organic solvents-induced neurotoxicity in rats after acute and subchronic exposures.”

University of Utah. Bradley D. Anderson has received a five-year grant award of \$918,859 from NCI/NIH for the project entitled, “Development of dosage forms and delivery systems for antitumor and anti-AIDS agents.” Arthur D. Broom has received a \$35,000 for a Huntsman Cancer Institute grant for the research program, “Novel pyrimido[4,5-b]thiazines as antitumor and antimicrobial agents.” Roger L. Foltz and David E. Moody have been awarded \$2,400,333 by NIH-NIDA for a four-year contract titled, “Analytical services center for medications development program.” William I. Higuchi has received \$182,753 from NIH for the project , “Quantitation of enamel demineralization mechanisms.” David E. Moody has been awarded a grant of \$234,000 from NIH-NID A for a three-year project, “Human metabolism of 1-a-acetylmethadol (LAAM).” Glen D. Prestwich has received funding at the level of \$125,000/year from the State of Utah to establish the Center for Cell Signaling. Jeanette C. Roberts has been awarded \$39,547 from the Armed Forces Radiobiology Research Institute for the project entitled, “Achieving radioprotection by modulating cellular thiol and selenol levels.”

University of Washington. Sam Bruschi has been granted \$97,862 by NIH to study, “Mitochondrial toxicity and stress proteins HSP60 and PBP74.” Valerie Daggett has been awarded \$93,789 by NIH for research entitled, “Molecular dynamics simulations of protein unfolding.” Thomas Hazlet has received \$127,458 from the Bristol-Myers Squibb Pharmaceutical Research Institute to study “Health and cost outcomes of hepatitis B infections.” Jutta Joseph has received a grant of \$86,750 from Agency for Health Care Policy

and Research (AHCPR), for the study, "Validation of symptom-free days in children with asthma." Jutta Joseph and Sean Sullivan have been awarded \$35,000 by Astra U.S.A., Inc. for the project, "Assessment of the validity and reliability of the symptom-free day measure in adults with asthma." Danny Shen has received \$89,636 from Hoescht Marion Roussel, Inc. for the research project, "Comparative in vitro metabolic kinetics of CYP3A drug substrates." John Slattery has received \$14,850 from Dupont Merck Pharmaceutical Co. to study, "Drug metabolism in human fetal liver and kidney." Sean Sullivan has been funded an amount of \$202,816 by Astra U.S.A. Inc. for the "Health economics of START clinical trial."

University of British Columbia. The following have received grant awards from the Heart and Stroke Foundation of British Columbia: Jack Diamond, \$52,288, for "c-GMP and c-GMP-dependent protein kinase in regulation of cardiac contractility;" Sidney Katz and Stephen Pelech, \$82,407, for "Role of endothelin and other peptides in the regulation of cardiac function;" Kathleen MacLeod, \$79,441, to study, "Changes in vascular reactivity in experimental diabetes;" John McNeill, \$73,456, for research titled, "Insulin and hypertension: Role of altered vascular biology." The following have been granted research awards by the Medical Research Council of Canada: John McNeill, \$51,750, to study, "Effects and mechanisms of vanadium in experimental models of NIDDM;" \$49,972, "Role of endothelin-1 in the development of cardiac and renal complications of diabetes;" and \$70,064, for "Mechanisms involved in the insulin-like actions of vanadium;" John McNeill and Steve Pelech, \$83,134, for the research project, "Characterization of insulin-inhibited protein serine kinases;" John McNeill and Chris Orvig, \$86,971, for the study, "Vanadium compounds as insulin mimetics in the treatment of diabetes;" Bob Miller, \$15,708, Colorcon, to study, "Effects of formulation variables and compres-

sion on drug release from beads coated using a pseudolatex dispersion of ethylcellulose." John H. McNeill has received a renewal of a grant in the amount of \$93,000 from the Canadian Diabetes Association, for research titled, "Study of the mechanism(s) involved in the development of heart failure in the hypertensive diabetic rat." Brian Rodrigues and Kishor Wasan have been awarded \$40,000 by the Canadian Diabetes Association for the project, "Regulation of cardiac lipid metabolism by lipoprotein lipase during diabetes." Stephen Shalansky, Marc Levine and Arun Verma have received \$18,057 from Lion's Gate Health Care Research Foundation for the study, "Thrombocytopenia in critically ill patients: Prospective analysis of risk factors with a focus on heparin." Peter Soja has been awarded \$180,497 from the National Institutes of Health for research titled, "Transmission through lumbar sensory tracts during sleep." Kishor Wasan has received \$36,957 from Aronex Pharmaceuticals Inc. for the project, "In vitro lipoprotein binding study of Atragen® (liposomal all-trans-retinoic acid) in human, rat and dog plasma;" and a \$12,426 renewal of a grant from Tilak Technologies to study, "The discovery and characterization of lipid transfer inhibitor protein." Dr. Wasan has also received \$50,000 from Medical Research Council of Canada for research titled, "The role of serum lipoproteins in modifying the toxic effects of hydrophobic drugs."

University of Manitoba. George Zhanel has received funding from the Society of Infectious Diseases Pharmacists (SIDP)/Pfizer Research Awards Program in the amount of \$20,000 for a study titled, "Determination of the importance of active efflux to fluconazole resistance in *Candida* species." Brian Hasinoff has been awarded \$188,712 from the Medical Research Council of Canada for three years for the project titled, "Molecular mechanisms of oxygen free radical damage and antioxidant drug design." Brian Hasinoff has been granted \$20,000 from the Natural Sciences and Engineering Research Council for the project titled, "Intracellular ERP spin trapping of free radicals."