School of Allied Health Sciences

Applications for funding: Spring 2008

Submitted to NIH (2007) and for a President's Research Award (2008):
Sally Miller (Nursing), Patricia Alpert (Nursing), Chad Cross (Public Health), Laura Kruskall (Nutrition Sciences). Weighted Vest as a Strategy for Weight-Loss Maintenance.

Federal Emergency Management Agency
Larry Golding (Kinesiology), Jack Young (Kinesiology), Dale Branks (City of Las Vegas) and John Mercer (Allied Health Sciences). Assess the relationship between physical fitness, safety, and performance during high-rise structure firefighting.

Far West Athletic Trainer's Association
Mack Rubley (Kinesiology), Pamela Liceralde (Kinesiology Graduate Student). Predicting deep tissue temperature using surface temperature during cryotherapy.

Bertec Balance Research Competition
Masters students Jennifer Alderidge and Geoffrey Melcher (Kinesiology). A retro locomotion protocol to reduce postural sway: Implications for fall prevention. Faculty Advisor: Janet Dufek (Kinesiology). (Funded)

Research Infrastructure Award Program
Deborah Keil (Clinical Laboratory Sciences), Jan Klaassen (Clinical Laboratory Sciences), Merrill Landers (Physical Therapy), Wes McWhorter (Physical Therapy), Michelle Eleonich (Life Sciences), and Margie Peden-Adams (Medical University of South Carolina, National Oceanic and Atmospheric Administration). Development of a Clinical Research Core Laboratory. (Funded)

Mack Rubley, Gaby Wulf, & Bill Holcomb (Kinesiology). Enhancement of the Department of Kinesiology Research Laboratories: Increased Access to Research and Funding.

Research Development Award
Phillip Patton (Health Physics) and Mack Rubley (Kinesiology). Quantitative assessment of traumatic brain injury using 3T MRI coupled with diffusion tensor imaging.

President's Research Award
Janet Dufek (Kinesiology), John Mercer (Allied Health Sciences), Jean Henry (Health Promotion), Dick Tandy (Kinesiology). A Novel Intervention for Prevention of Falls in the Older Adult Population.

Dennis Farmer (Health Physics), Yogendra Panta (Engineering), AK Singh (Hotel Management), & Vernon Hodge (Chemistry). Spectral Deformation Analysis: A statistical approach to the on-scene detection of airborne plutonium and other alpha-emitting contaminants.

Robbin Hickman (Physical Therapy) and Janice Haley (School of Nursing) “Haley Strength Assessment Interview Guide Project”.

Daniel R. Lowe and Phillip W. Patton (Health Physics). Using Diffusion Tensor Imaging and Region of Interest Selection Techniques in High Field MRIs to Create a Quantitative Assessment of Multiple Sclerosis.

Sally Miller (Nursing), Harvey Wallmann (Physical Therapy), Laura Kruskall (Nutrition Sciences), Chad Cross (Public Health), Salvatore Biazzo (Medical Director, Student Health). Balance and Vitamin D Insufficiency: Is There a Relationaship?

Phillip Patton (Health Physics), Eric Hanson (Amigenics/NIC), Robert O'Brien (Mechanical Engineering). Reduction of Dose from CT to Patients: Quantifying the Dose from the Newest Generation of CT Scanners.

Robert O'Brien (Mechanical Engineering), Chris Hagen (National Security Technologies), Daniel Lowe, M.S.(Mechanical Engineering), Ralf Sudowe (Health Physics). Development of a Dense Plasma Focus Device as a Radiation and Plasma Research Tool at the University of Nevada, Las Vegas.

Shizhi Qian (Mechanical Engineering), Yingtao Jiang (Electrical and Computer Engineering), Marcos Cheney (Health Physics), Deobrah Keil (Clinical Laboratory Sciences). Lab-on-a-chip system for the diagnosis of infectious diseases in saliva: Basic technology and its applications to detect Hepatitis C virus.

Federal Appropriations White Paper
O'Toole, B. (Mechanical Engineering), Trabia, M.(Mechanical Engineering), Yim, W.(Mechanical Engineering), Yadkany, S., (Civil Engineering) Neumann, E. Civil Engineering), Dufek, J.S. (Kinesiology), Liu, Q.(Mechanical Engineering), Hossain, M.K. (Mechanical Engineering)and Wilcox, T (Mechanical Engineering). Reduction of human injury due to shock loading in vehicles. White Paper, U.S. Army Research Labs, $1,999,000 (submitted Spring 2008)

UNLV Research Foundation
Phillip Patton (Health Physics), & Ralf Sudowe (Health Physics). Mega-voltage cargo imaging project: Measurement of dose and calculation of isodose lines. (Funded)

Federal Appropriations White Papers
Larry Golding (Kinesiology), Jack Young (Kinesiology), Molly Michelman (Nutrition), Laura Kruskall (Nutrition), John Mercer (Allied Health Sciences). Wellness on Wheels.

Deborah E. Keil (Health Physics), Marcos A. Cheney (Health Physics), Merrill Landers, (Physical Therapy), Janice Klaassen (Clinical Laboratory Sciences), Shizhi Qian, Ph.D. (Mechanical Engineering); Yingtao Jiang (Electrical and Computer Engineering), and Patricia Alpert (Nursing). Establishment of a Health Effects Research Laboratory (HERL) at the University of Nevada Las Vegas.

Steen Madsen (Health Physics), Larry Partain (Varian Medical Systems), Ed Seppi (Varian Medical Systems), & Henry Hirschberg (University of California, Irvine). X-ray-based Functional Imaging for Cancer Detection at UNLV.

Surgeon General for the Air Force Broad Agency Announcement
John Mercer (Allied Health Sciences), Janet Dufek (Kinesiology), Gaby Wulf (Kinesiology), Jack Young (Kinesiology). The physiological, biomechanical and motor coordination consequences of running with additional loads. (white paper).