

UNIVERSITY of  
**HOUSTON**  
HEALTH AND HUMAN PERFORMANCE

**HHP**  
**RESEARCH SYMPOSIA**

**October 29 & 30, 2013**  
**Rockwell Pavilion - M. D. Anderson Library**  
**9 a.m.-3 p.m.**



**HHP RESEARCH SYMPOSIUM** October 29, 20139 a.m.-3 p.m. | Rockwell Pavilion | *Please enter & leave only between sessions.*

<b>9-10 Session</b>	<b>Senory Physiology &amp; Obesity</b>	Dr. Thomas Lowder - Introduction
9-9:20	Boaz Blake	Graviception: What our feet know
9:20-9:35	Rahul Goel	The role of upper & lower limb load receptors in modulating functional motor control performance
9:35-9:55	Matt Cross	Effects of children's self-regulation on parental feeding practices & child weight
<b>10-11 Session</b>	<b>Obesity</b>	Dr. Thomas Lowder - Introduction
10-10:25	Dr. Daniel O'Connor	Energy balance & weight change
10:25-10:50	Dr. Daphne Hernandez	The impact of cumulative family risks on food insecure households with young children
11-11:50	Elevator Speech Contest (awards at 11:40)	Stefan Madansingh, Wen-hao Chou, Craig Workman, Douglass Diak, Emily Lavoy Amber Chelette, Rahul Goel, Nereyda Ochoa
<b>12-1 Session</b>	<b>Immunology</b>	Dr. Thomas Lowder - Introduction
12:05-12:30	Dr. Thomas Lowder	Exercise training in women with lymphangioleiomyomatosis
12:30-12:55	Dr. Richard Simpson	Exercise & the immune system
<b>1-2 Session</b>	<b>Excercise Physiology</b>	Dr. Thomas Lowder - Introduction
1-1:20	Douglass Diak	Exercise reduces tumor burden in mice
1:20-1:40	Emily LaVoy	Acute exercise enhances the expansion of cytotoxic T-cells specific to leukemia & melanoma antigens: implications for adoptive transfer immunotherapy?
1:40-1:55	Lyle Babcock	The molecular regulation of unloading induced, fiber-type specific muscle atrophy
<b>2-3 Session</b>	<b>Obesity II</b>	Dr. Thomas Lowder - Introduction
2:05-2:25	Nate Parker	Using geographic information systems (GIS) to assess the impacts of neighborhoods on physical activity
2:25-2:40	Stephanie Silveira	GoWoman: A weight loss program for women with mobility impairments
2:40-2:55	Allen Hallett	Direct & indirect effects of exercise intensity on glucose tolerance in the TIGER study

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<b>9-10 Session</b>	<b>Physiology/Sport Admin.</b>	Dr. Thomas Lowder - Introduction
9-9:20	Hawley Kunz	The effects of exercise on salivary antimicrobial proteins
9:20-9:50	Dr. Demetrius Pearson	McCarthy's marketing mix & the TSU relays: An urbanLegacy
<b>10-11 Session</b>	<b>Sensory Physiology II</b>	Dr. Thomas Lowder - Introduction
10-10:15	Amber Chelette	Effects of vibration on the learning & transfer of a proprioception task
10:15-10:40	David Temple	The effects of tibialis anterior muscle vibration on quiet & perturbed stance
10:40-10:55	Marius Dettmer	Application of low-level vibration to the feet as an intervention to improve older adults' postural stability
<b>11-12 Session</b>	<b>Exercise Physiology</b>	Dr. Thomas Lowder - Introduction
11-11:15	Austin Bigley	Exercise & NK-cell function
11:15-11:35	Dr. Yoonjung Park	Obesity-induced vascular dysfunction & physical activity
11:35-11:55	Dr. Jong-Hee Kim	Effect of temperature on force-velocity-power generation in MHC type I & II single muscle fibers
<b>12-1 Session</b>	<b>Motor Control</b>	Dr. Thomas Lowder - Introduction
12-12:20	Dr. Stacey Gorniak	Effects of type II diabetes on manual function
12:20-12:40	Dr. Adam Thrasher	Relative roles of spinal & supraspinal control of muscle activation during walking
12:40-1	Dr. Beom-Chan Lee	Sensory augmentation through vibrotactile biofeedback for balance rehabilitation
<b>1-2 Session</b>	<b>Motor Control/Sport Admin.</b>	Dr. Thomas Lowder - Introduction
1-1:20	Recep Ozdemir	Early detection of gait related movement intentions from EEG signals: A neural state classification study for future brain machine interface applications
1:20-1:40	Dr. Michael Cottingham	An examination of consumer behavior in different disability sports
1:40-1:55	Raul Amador	Reduced sensation and altered proprioception on walking kinetics
<b>2-3 Session</b>	<b>Motor Control II</b>	Dr. Thomas Lowder - Introduction
2-2:20	Lauren Gulley	The effects of multi-session vibration training on elbow joint position sensing
2:20-2:30	Hao Meng	The effort of adiposity on postural & gait stability in overweight & obese adults
2:30-2:45	Stefan Madansingh	Non-linear analysis of the movement of fragile objects
2:45-3	Craig Workman	Multidirectional treadmill walking in Parkinson's disease