



UNIVERSITY of
HOUSTON
HEALTH AND HUMAN PERFORMANCE

HHP RESEARCH SYMPOSIUM

HHP faculty and students present their research results.

October 24 & 25, 2016

Rockwell Pavilion - M. D. Anderson Library

Both days: **Session 1:** 9 a.m.12 p.m. & **Session 2:** 1-4 p.m.

*Featuring the Elevator Speech Contest at noon on October 24.
Students have 90 seconds to convince judges that their research proposal deserves funding*

HHP RESEARCH SYMPOSIUM OCTOBER 24, 2016

Please enter & leave only between sessions.

9 -12 Session		Sports Administration (Chair: Dr. Cottingham) and AT (Chair: Dr. Yellen)
9:30-10:30	Panel Discussion	Disability sport, perspectives from research and practitioners
	Dr. Michael Cottingham	Assistant Professor, UH and Director of Adaptive Athletics @ UH
	Ms. Fernanda Velasco, CTRS	TIRR Memorial Hermann's Adaptive Sports Coordinator
	Ms. Ava Skrabanek, MS	Adaptive Physical Educator, Fort Bend ISD
	Ms. Hannah Walker, CTRS	Recreation Therapist with the City of Houston
10:31-10:45	Break	
10:46-11:00	Dr. Mark Knoblauch	Perceptions of health care professionals ability to perform specific practice domains
11:01-11:15	Sahifa Ansari	ACL revision surgery from a vertical graft and meniscal repair in a middle-aged male powerlifter
11:16-11:30	Johanna Puetz	Femoral neck stress fracture in a female swimmer
11:31-11:45	Ashlyne Vineyard	Heterotrophic ossification in male collegiate discus thrower
11:46-12:00	Elana Frank	Popliteal cyst rupture in a collegiate softball player
12-1 Session		Elevator Speech Contest
Presenters have 90-seconds to overview their research	Kyle Leister	The effect of cleat placement on force generation in a cyclist with a transtibial amputation: a pilot study
	David Young	Use of an audiovisual metronome to improve gait in Rett Syndrome
	Myungwoo Lee	Volunteer motives in community sporting events
	Stephanie Silveira	Addressing health disparities in individuals with physical disabilities
	Nate Parker	Preoperative exercise and body composition among patients with pancreatic cancer
	Katie Arlinghaus	Compañeros: The cool approach to overcoming obesity in schools
	Ram Kinker Mishra	Identification of postural control features Parkinson disease patient
	Nishant Rao	Motor function in alzheimer's disease
	Junyoung Hong	Exercise and vascular health in alzheimer disease
Jonghae Lee	Physical activity-induced vascular adaptation in obesity	
Layne Reesor	We are overlooking a critical period of childhood obesity	
1-4 Session		Obesity Studies (Chair: Dr. Johnston)
1:00-1:15	Dr. Dan O'Connor	Graduate Studies in HHP
1:16-1:30	Dr. Craig Johnston	Current state of lifestyle medicine
1:31-1:45	Katie Arlinghaus	The use of teen mentors in school-based weight management
1:46-2:00	Nate Parker	Preoperative exercise for patients with pancreatic cancer: Preliminary pilot study results
2:01-2:15	Xue Zhao	The correlation between the school environment and family's physical activity level.
2:16-2:30	Break	
2:31-2:45	Dr. Tracey Ledoux	Overeating behaviors in the early family unit
2:46-3:00	Tabbatha Lopez	Intuitive eating and diet quality
3:01-3:15	Saumali Daundesakara	Validation of intuitive eating scale for pregnancy
3:15-3:30	Layne Reesor	We are overlooking a critical period of childhood obesity
3:30-3:45	Dr. Daphne Hernandez	Seasonal differences in the rate of weight gain in children

HHP RESEARCH SYMPOSIUM OCTOBER 25, 2016

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9 -12 Session		CNBR (Chair: Dr. Arellano)
9:31-9:45	Dr. Christopher Arellano	How biomechanical improvements in running economy can break the 2-hour marathon barrier
9:46-10:00	Brad Day	Parsing the effects of sensory dysfunction and diabetic inflammation on manual performance of carpal tunnel syndrome patients.
10:01-10:15	Hao Meng	Effects of adiposity on motor functions in overweight and obese adults
10:16-10:30	Pranav J Parikh	Neural mechanisms underlying dexterous manipulation
10:31-10:45	Rahul Goel	Cortical control of human upright stance
10:46-11:00	Break	
11:01-11:15	Rakshatha Kabbaligere	Balancing sensory inputs: Sensory reweighting of ankle proprioception and vision during a bipedal posture task
11:16-11:30	Lauren Gulley	Effects of vibration training on elbow joint position sensing.
11:31- 11:45	Dr. Beom Chan Lee	Smarter tele-balance system
12-1	Break	
1-4 Session		LIP (Chair: Dr. LaVoy)
1:00-1:15	Dr. Yoonjung Park	The role of exercise in vascular function in Disease
1:16-1:30	Junyoung Hong	Exercise reverses endoplasmic reticulum stress-associated vascular dysfunction in mesentery arteries in atherosclerosis
1:31-1:45	Preteesh Leo	Simulated microgravity and natural killer cells: functional and phenotypic changes
1:46-2:00	Bridgette Rooney	Magnitude and rate of leukocyte mobilization and egress during and immediately after acute aerobic exercise
2:01-2:15	Justin Reed	Lactate threshold testing: Do physiological responses to a single incremental exercise test accurately carry over to longer duration, constant power exercise sessions?
2:16-2:30	Nadia Agha	Exercise and stem cell mobilization
2:31-2:45	Priti Gupta	Cellular subset shift or serum factors: exploring the mechanisms underlying exercise-induced changes in natural killer cell cytotoxicity
2:46-3:00	Break	
3:00-4:00	Panel Discussion	Impact of exercise on motivational and reward pathways in the brain: a role for inflammation?
	Dr. Emily LaVoy	Assistant Professor at UH
	Dr. Melissa Markofski	Assistant Professor at UH
	Dr. Margaret Wardle	Assistant Professor in Psychiatry and Behavioral Science at UT-HSC

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