

2018 Barshop Symposium on Aging

“Exercise Regulation of Biological Aging”

Drs. Nicolas Musi and Darpan Patel, Conference Organizers

As of 5/25/18 (titles are tentative)

Thursday October 18, 2018

4:00-6:00pm	Registration	
6:00pm	Dinner at the Pavilion	
7:30-9:00pm	Keynote Presentation	
	Chair/Moderator: TBD	
	Keynote Speaker: Charlotte Peterson, PhD	<i>Novel Roles for Satellite Cells in Skeletal Muscle Adaptation and Aging</i>

Friday October 19, 2018

7:00-8:30am	Breakfast	
8:30-10:35am	SESSION I: Effect of Exercise on Mitochondrial Biology	
8:30-8:35am	Session Leader: TBD	
8:35-9:05am	David Hood, PhD	<i>Mitochondrial turnover in muscle: effects of exercise and aging</i>
9:05-9:35am	Changhan Lee, PhD	<i>Intergenomic basis of mitonuclear communication</i>
9:35-9:45	Break	
9:45-10:15am	K. Sreekumaran Nair, MD, PhD	<i>Can Exercise Reverse Mitochondrial Decline with Age?</i>
10:15-10:45am	Wendy Kohrt, PhD	<i>Bioenergetic Consequences of Gonadal Aging</i>
10:45-10:55am	Break	
10:55-12:00pm	Session II: Effect of Exercise on Inflammation and Senescence	
10:55-11:00am	Session Leader: TBD	
11:00-11:30am	Ian Lanza, PhD	<i>Chronic Inflammation and Exercise Responsiveness with Aging</i>
11:30-12:00pm	Nathan LeBrasseur, PhD	<i>Combating Cellular Senescence through Exercise</i>
12:00-1:30pm	Lunch at the Pavilion	
1:30-3:05pm	Session III: Aging, Exercise and Function I	
1:30-1:35pm	Session Leader: TBD	
1:35-2:05pm	Barbara Nicklas, PhD	<i>Resistance exercise and modulation of aging-related fat redistribution</i>
2:05-2:35pm	Marcas Bamman, PhD	<i>Exercise is Regenerative Medicine: Impact on Neuromuscular Aging</i>
2:35-3:05pm	LaDora Thompson, PhD	<i>Reversing Frailty: Exercise is the Panacea</i>
3:15-5:00pm	Free Time (Horseback Riding Available)	
5:00-7:00pm	Poster Session (At Pavilion - refreshments provided)	
7:00pm	Dinner at the Pavilion	

Saturday October 20, 2018

7:00-8:30am	Breakfast	
9:00-10:05am	Session IV: Muscle as a Secretory Organ	
9:00-9:05am	Session Leader: TBD	
9:05-9:35am	Mark Tarnopolsky, MD, PhD	<i>Metabolic and Proteomic Signatures of Long-Term Running in Mice and Humans</i>
9:35-10:05am	Pinchas Cohen, MD	<i>MOTS-c is a Novel Exercise-Mimetic Mitochondrial Peptide, and a Biomarker of Physical Activity</i>
10:05-10:25am	Break	
10:25-12:00pm	Session V: Exercise and Metabolism	
10:25-10:30am	Session Leader: TBD	
10:30-11:00am	Gregory Cartee, PhD	<i>Mechanisms for the Independent and Combined Effects of Exercise and Calorie Restriction on Insulin-stimulated Glucose Uptake by Skeletal Muscle</i>
11:00-11:30pm	Bret Goodpaster, PhD	<i>The Role of Exercise in Insulin Resistance of Aging</i>
11:30-12:00pm	Lawrence Mandarino, PhD	<i>Insulin Resistant Muscle is Exercise Resistant; Does This Apply to Aging?</i>
12:00-1:30pm	Lunch at the Pavilion	
1:30-3:35pm	Session VI: Aging, Exercise, and Function II	
1:30-1:35pm	Session Leader: TBD	
1:35-2:05pm	Roger Fielding, PhD	<i>The role of exercise training in the management of sarcopenia, frailty and late-life disability</i>
2:05-2:35pm	Frank Booth, PhD	<i>Lifetime peaks in functions</i>
2:35-2:45pm	Break	
2:45-3:15pm	Henriette van Praag, PhD	<i>Regulation of memory function by exercise</i>
3:15-3:45pm	Jill Barnes, PhD	<i>Vascular health and implications for the brain</i>
3:45-3:55pm	Break	
3:55-5:30pm	Session VII: Exercise and Cancer	
3:55-4:00pm	Session Leader: TBD	
4:00-4:30pm	Hirofumi Tanaka, PhD	<i>Exercise and age-related vascular stiffening: Are you as old as your arteries?</i>
4:30-5:00pm	Jessica Scott, PhD	<i>Cancer Therapy and Spaceflight as a Models of Accelerated Physiological Aging and the Protective Properties of Exercise Training</i>
5:00-5:30pm	TBD	
5:30pm	Free Time	
7:00pm	Dinner at Hicksville (Gather at the Pavilion for a Hayride)	

Sunday October 21, 2018

Breakfast and Departure