

10th Biennial Conference

Advances in Skeletal Muscle Biology in Health and Disease

Sponsored by

Department of Applied Physiology and Kinesiology and the Center for Exercise Science,
College of Health and Human Performance,
University of Florida

Meeting Site: Reitz Union Room 285

Admission is free to all UF faculty and students

Thursday, January 25, 2007

8:00 A.M. *Scott Powers, Ph.D.* University of Florida. "Origins of Free Radical Research"

8:20 A.M. *Darrel Neuffer, Ph.D.* East Carolina University. "Linking Mitochondrial Bioenergetics to the Etiology of Metabolic Disease"

9:00 A.M. *Malcolm Jackson, Ph.D.* University of Liverpool. "A Transgenic Approach to the Study of Reactive Oxygen and Nitrogen Species in Skeletal Muscle Aging"

9:40 A.M. – 10:00 A.M. BREAK

10:00 A.M. *Thomas Clanton, Ph.D.* Ohio State University. "Measuring Calcium Transients in Intact Skeletal Muscle"

10:20 A.M. *Gerald Supinski, M.D.* University of Kentucky. "Caspase Activation as a Mechanism of Multisystem Organ Failure in Sepsis"

11:00 A.M. *Andreas Kavazis, Ph.D.* University of Florida. "Caspase-3 Regulation of Diaphragm Myonuclear Domain during Mechanical Ventilation-Induced Atrophy"

11:20 A.M. *Krista Vandeborne, Ph.D.* University of Florida. "Magnetic Resonance Imaging of Muscular Dystrophy"

11:40 A.M. – 1:30 P.M. LUNCH

1:30 P.M. *Michael Reid, Ph.D.* University of Kentucky. "Chemotherapeutic Agents and Muscle Dysfunction"

2:10 P.M. *Brian Hardin, B.S.* University of Kentucky. "TNF-alpha Effects on Diaphragm: Alterations in Mouse Myofibrillar Function"

2:30 P.M. *Leigh Ann Callahan, M.D.* University of Kentucky. "NADPH Oxidase in Striated Muscle"

3:10 P.M. – 3:30 P.M. BREAK

3:30 P.M. *Jennifer Moylan, Ph.D.* University of Kentucky. "The Forkhead-box Transcription Factor Foxo4 is Important for TNF-induced Atrogin-1 Expression"

3:50 P.M. *Joseph McClung, Ph.D.* University of Florida. "Effects of Oxidative Stress on P13K/Akt Regulation of Foxo Transcription Factors during Diaphragm Muscle Disuse"

4:10 P.M. *Ghislaine Gayan-Ramirez, Ph.D.* Katholieke Universiteit Leuven. "Mechanical Ventilation and Diaphragm Dysfunction"

4:50 P.M. *Keith DeRuisseau, Ph.D.* Syracuse University. "Diaphragm Contractile Function in Mice Overexpressing Antioxidant Enzymes"

Friday, January 26, 2007

9:00 A.M. *Sally Johnson, Ph.D.* University of Florida. "Satellite Cell Deactivation and the Return to Quiescence"

9:40 A.M. *David Criswell, Ph.D.* University of Florida. "Nitric Oxide Facilitates NFAT-dependent Transcription in Myotubes"

10:20 A.M. – 10:40 A.M. BREAK

10:40 A.M. *Gerald Supinski, M.D.* University of Kentucky. "Calpain Mediated Diaphragmatic Dysfunction in Inflammatory Conditions"

11:20 A.M. *John Quindry, Ph.D.* Appalachian State University. "HSP72 is not Essential for Exercise-induced Cardioprotection"

11:40 A.M. *Melissa Smith, M.S.* University of Kentucky. "Mechanical Signal Transduction in Glucose Transport of Skeletal Muscle"

12:00 P.M. – 1:40 P.M. LUNCH

1:40 P.M. *Lan Chi Luu, M.S.* University of Kentucky. "Inflammation and Intramyocellular Lipids, is there a Connection?"

2:00 P.M. *Russ Hemple, Ph.D.* University of Calgary. "Improving the Trajectory of Muscle Aging: Insights from Caloric Restriction"

2:20 P.M. *Ryan Oliver, M.S.* Ohio State University. "Eicosanoids and Heat Stress in Skeletal Muscle and Why You Should Care"

2:40 P.M. *Min Liu, Ph.D.* University of Florida. "Impact of Locomotor Training on Skeletal Muscle Following Spinal Cord Injury"

3:00 P.M. – 3:20 P.M. BREAK

3:20 P.M. *Andrew Judge, Ph.D.* University of Florida. "Oxidative Damage in the Skeletal Muscle of Peripheral Arterial Disease Patients"

4:00 P.M. *Jeff Smith, M.S.* University of Kentucky. "Physiological Role for Prion Protein in Skeletal Muscle"

4:20 P.M. *Zsolt Murlasits, Ph.D.* University of Florida. "Heat Shock Proteins, Aging, and Skeletal Muscle"

4:40 P.M. ADJOURN