WEDNESDAY FEB 22
3:00 - 5:00  Grant Workshop
Rion Ballroom B, Reitz Union, University of Florida

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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<tr>
<td>3:00 - 3:20</td>
<td>Tom Clanton</td>
<td>Writing a successful NRSA or K award</td>
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<tr>
<td>3:20 - 3:40</td>
<td>Denis Guttridge</td>
<td>Structuring an R01 in the 12 page format</td>
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<td>3:40 - 4:00</td>
<td>Marcas Bamman</td>
<td>Scoring grants with the “new” system</td>
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<td>4:00 - 4:20</td>
<td>Sue Bodine</td>
<td>Interpreting and addressing reviewer comments</td>
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<td>4:20 - 5:00</td>
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<td>Open panel discussion</td>
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6:00 – 8:00  Poster session and Reception
Grand Salons C,D,G and H, Reitz Union, University of Florida

THURSDAY FEB 23
Auditorium (Second Floor), Reitz Union, University of Florida

Time
7:30  Coffee and Pastries
Second Floor West Gallery

8:10  Welcome & Opening Remarks

Session  Cell signaling mechanisms mediating muscle atrophy and hypertrophy
Chairman  Scott Powers

8:20 - 8:50  Sue Bodine
Ten Year After: Muscle Sparing in the MuRF1 KO mouse
University of California, Davis
8:50 - 9:20  Susan Kandarian
Boston University
The central role of NF-κB in skeletal muscle atrophy

9:20 - 9:50  Andy Judge
University of Florida
FoxO as a regulator of skeletal muscle mass

9:50 - 10:15  Coffee Break

Chairman  David Criswell

10:15 - 10:45  Fred Goldberg
Harvard Medical School
New Insights into the Molecular Mechanisms of Muscle Atrophy

10:45 - 11:15  Yi-Ping Li
University of Texas
FoxO as a regulator of skeletal muscle mass

11:15 - 11:45  Teresa Zimmers
Thomas Jefferson University
STAT3 mediates muscle wasting in cancer cachexia

11:45 - 12:15  Jim Carson
University of South Carolina
Muscle protein turnover with cachexia: A role for exercise and contraction

12:00 - 1:00  Lunch Break
Second Floor West Gallery

Chairman  Andy Judge

1:00 - 1:30  Mike Reid
University of Kentucky
Sphingolipid signaling in skeletal muscle

1:30 - 2:00  Zhen Yan
University of Virginia
Muscle derived SOD3 in protection against MODS

2:00 - 2:30  Scott Powers
University of Florida
Mitochondrial signaling and disuse muscle atrophy

2:30 - 3:00  Esther Dupont-Versteegden
University of Kentucky
Age-related differences in the regulation of skeletal muscle size in rats

3:00 - 3:30  Coffee Break
Second Floor West Gallery

Session  Muscle force, calcium handling, and stress response
Chairman  Mike Reid

3:30 - 4:00  Håkan Westerblad
Karolinska Institutet
Interplay between mitochondria and sarcoplasmic reticulum Ca²⁺ handling in skeletal muscle
4:00 - 4:30 Leo Ferreira  
University of Florida  
Sphingolipids, oxidants, and contractile dysfunction in heart failure

4:30 - 5:00 Tom Clanton  
University of Florida  
Stress-induced cytokine production in skeletal muscle: another element of the stress response?

FRIDAY FEB 24

Auditorium (Second Floor), Reitz Union, University of Florida

Time
7:30  
Coffee and Pastries  
Second Floor West Gallery

Session  
Muscle diseases and regeneration
Chairman  
Tom Clanton

8:15 - 8:45 Denis Guttridge  
The Ohio State University  
The role of NF-κB signaling in skeletal muscle health and disease

8:45 - 9:15 Ashok Kumar  
University of Louisville  
Matrix metalloproteinases in pathogenesis of Duchenne muscular Dystrophy

9:15 - 9:45 Da-Zhi Wang  
Harvard Medical School  
microRNAs in skeletal muscle development and regeneration

9:45 - 10:15  
Coffee Break  
Second Floor West Gallery

Chairman  
Sally Johnson

10:15-10:45 Maury Swanson  
University of Florida  
RNA Splicing in Muscle Development and Disease

10:45 - 11:15 Erika Geisbrecht  
University of Missouri Kansas City  
Mechanisms underlying muscle development and maintenance

11:15 - 11:45 Sweta Girgenrath  
Boston University  
Triggering Regeneration and Tackling Degeneration: A combinatorial approach

11:45 - 12:30  
Lunch Break  
Second Floor West Gallery

Session  
Clinical/translational research
Chairman  
Leo Ferreira

12:30 - 1:00 Marcos Bamman  
University of Alabama, Birmingham  
Reversing translation to understand translational regulation of human muscle hypertrophy: the bedside to bench approach

1:00 - 1:30 Barry Byrne  
University of Florida  
A Personalized Approach to Inherited Myopathy: Gene Therapy in 2012

1:30 - 2:00 Melinda Sheffield-  
Skeletal Muscle Interstitium: A Window into the Mechanisms
Moore
University of Texas
Medical Branch

Behind Age-Related Anabolic Resistance?

2:00 - 2:30
Michael Toth
University of Vermont

Myosin myopathy of acute and chronic disease

2:30 - 2:50  
Coffee Break
Second Floor West Gallery

Chairman
Dave Fuller

2:50 - 3:20
Hermien Kan
Leiden University Medical Center

Quantitative MR imaging in Duchenne Muscular Dystrophy

3:20 - 3:50
Glenn Walter
University of Florida

Imaging Early Cardiac Dysfunction in Muscular Dystrophy

3:50 - 4:20
Danny Martin
University of Florida

Effect of intermittent activity during cardiothoracic surgery on human diaphragm mitochondrial respiration

4:20
Farewell

Sponsors:

Department of Applied Physiology and Kinesiology and Center for Exercise Science, University of Florida

College of Health & Human Performance, University of Florida

University of Florida Neuromuscular Plasticity Training Program, T32 HD043730, NCMRR

Rigel Pharmaceuticals

Aurora Scientific

For further details and registration, please visit: http://hhp.ufl.edu/apk/advances2012/