2019 Symposium

Special Interest Group in Skeletal Muscle Reykjavik, Iceland

Location: Harpa Conference Center, Ríma B. Date: Thursday, August 8

8.45-9.00 Welcome and Introduction

Muscle biology & plasticity (9.00-9.50)
Chair: Kristian Gundersen (Uni of Oslo)

9.00-9.15 Inga Juvkam Solgård (Uni of Oslo, Norway) “A cellular memory mechanism in skeletal muscle”

9.15-9.30 Emil Rindom (Uni of Aarhus, Denmark) “The effect of excitation and tension per se on acute protein synthesis - dissecting the initial anabolic cues of muscular activity”

9.30-9.50 Stefano Gastaldello (Karolinska Institutet, Sweden) “Expression of SUMO enzymes is fiber type dependent in skeletal muscles and is dysregulated in muscle disuse”

Coffee

10.20-10.35 Cecilia Landberg (Karolinska Institutet, Sweden) “Characterizing a calcium-dependent ‘warm-up effect’ in fast twitch mouse skeletal muscle fibres undergoing repeated contractions”

10.35-10.55 Mads Bengtsen (Uni of Oslo, Norway) “The Epigenetic landscape of two phenotypic extreme skeletal muscles - soleus and EDL”

10.55-11.15 Victoria Wyckelsma (Karolinska Institutet, Sweden) “The role of skeletal muscle fibre-type in superior cold resilience in α-actinin-3 individuals”

Break

11.30-12.15 Keynote: Beert Blaauw (Venetian Institute of Molecular Medicine, Italy) “Singaling pathways regulating functional muscle growth”

Lunch 12.25-13.15

Muscle metabolism (13.15-14.20)
Chair: Johanna Lanner

13.15-13.30 Rasmus Jensen (Uni of Southern Denmark) “Regulation of glycogen phosphorylase”
13.30-13.45 Marie-Louise Holleufer (Uni of Southern Denmark) “The time-course of muscle glycogen utilization at different subcellular localizations and fiber types during endurance exercise in lean males”

13.45-14.00 Dorte Kristensen (Uni of Southern Denmark) “The time-course of intramuscular lipid droplet utilization at different subcellular localizations and fiber types during endurance exercise in lean males”

14.00-14.20 Joachim Nielsen (Uni of Southern Denmark) “Glycogen supercompensation: Particle size, number and location”

Coffee

14.45-15.30 **Keynote**: Holly van Remmen (Oklahoma Medical Research Foundation) “Role of Mitochondria and oxidative stress in sarcopenia: mechanisms and interventions”

** Muscle dysfunction & disorders (15.30-16.40)**
Chair: Joachim Nielsen (Uni of Southern Denmark)

15.30-15.45 Abbi Hau (Kings College London, UK) “Myosin relaxed states are altered in MYH7-related skeletal myopathies”

15.45-16.00 Natasha Ranu (Kings College London, UK) “Myosin dysregulation in nemaline myopathy”

16.00-16.20 Johanna Lanner (Karolinska Institutet, Sweden) Skeletal muscle redox signaling in rheumatoid arthritis

16.20-16.40 Jessica Pingel (Uni of Copenhagen, Denmark) “Long-term effects of botulinum toxin A on muscle tissue morphology and muscle signaling”

Break

17.00-17.30 Local presentation by Prof. Þórarinn Sveinsson from University of Iceland “Combining EMG and biomechanical analyses”

17.30 Concluding remarks/Après SIG - TBA