



## Posters list

### Poster session 1 – Monday 12. September, 17.00 – 19.00

**01. Volkan Adak, *Biozentrum Basel, Switzerland***

Unraveling the Function of Subsynaptically Enriched Rps6ka1 in Skeletal Muscle

**02. Hind Albadrani, *Majmah University, Saudi Arabia***

Angiotensin 1-7 Increase Fiber Cross Section Area and Force in Mouse Skeletal Muscle

**03. Elia Angelino, *University of Torino, Italy***

Pde4 targeting rescues defective cAMP signaling and skeletal muscle wasting during cancer cachexia

**04. Simone Bersini, *Università della Svizzera Italiana, Switzerland***

Biofabrication of a 3D microphysiological model of human skeletal muscle for the study of muscle fibrosis in aging and disease

**05. Lorenza Bodo, *University of Torino, Italy***

Pro-cachectic tumor conditioned medium induces adrenergic resistance in C2C12 myocytes through a Pde4-dependent mechanism

**06. Silvia Campanario, *Pompeu Fabra University, Spain***

Spatial relationship between satellite cells and their microenvironment in skeletal muscle in homeostasis

**07. Nastasia Cardone, *Université Paris Est, France***

Myopathologic readouts identification in Duchenne muscular dystrophy (DMD) through comparative analysis of human and animal model

**08. Giuseppina Caretti, *University of Milano, Italy***

BET Inhibitors Rewire Metabolism in the Aged Skeletal Muscle

**09. Olivia Cattaneo, *University of Geneva, Switzerland***

Molecular mechanisms controlling the expression and dynamics of synaptic proteins in muscle

**10. Paola Costelli, University of Torino, Italy**  
Non-coding RNA profiling in patients with gastrointestinal cancer

**11. Sebastiaan Dalle, KU Leuven, Belgium**  
The CB1 antagonist AM6545 stimulates in vivo muscle protein synthesis via mTORC1

**12. Mercedes Grima Terren, Pompeu Fabra University, Spain**  
Understanding skeletal muscle homeostasis through computation methods

**13. Alexander Ham, Biozentrum Basel, Switzerland**  
Characterizing new sub-NMJ-enriched transcripts identified by single nuclei RNA-seq

### **Poster session 2 – Tuesday 13. September, 17.00 – 19.00**

**14. Shihuan Kuang, Purdue University, USA**  
Targeting PTEN in Muscular Dystrophy

**15. Timea Kurdiová, Slovak Academy of Sciences, Slovakia**  
Electrical pulse stimulation of human myotubes in vitro: the tool for studying exercise-regulated mechanisms in muscle cells

**16. Alex Lin, Ottawa Hospital Research Institute, Canada**  
A muscle stem cell subpopulation is determined by mitochondrial potential

**17. Shivani Mansingh, Biozentrum Basel, Switzerland**  
Identification of cell-type specific changes in the spinal cord in response to endurance exercise

**18. Camilla Pezzini, University of Padova, Italy**  
Understanding BMP signaling in cancer cachexia

**19. Steffen Henning Raun, University of Copenhagen, Denmark**  
Rac1 is necessary for exercise training adaptations

**20. Andrea Re Cecconi, Istituto di Ricerche Farmacologiche Mario Negri IRCCS, Italy**  
The p97-Nplc4 ATPase complex plays a role in muscle atrophy during cancer and amyotrophic lateral sclerosis

**21. Ashley Smuder, University of Florida, USA**  
ABC10 in the regulation of mitochondrial function following exposure to doxorubicin chemotherapy

**22. Francesca Solagna, University of Cologne, Germany**  
Kidney-secreted factors induce muscle wasting in chronic kidney disease

**23. Erin Talbert, *University of Iowa, USA***

Muscle Wasting in Early-stage Cancer is Associated with Disorganized Extracellular Matrix Distinct from Fibrosis

**24. Caterina Tezze, *University of Padova, Italy***

A combination drug exhibits synergistic benefits in the treatment of sarcopenia

**25. Brian Uapinyoying, *NIH, USA***

Constructing a Pediatric Cell Atlas of Human Skeletal Muscle

**26. Wen-Cheng Xiong, *Case Western Reserve University, USA***

Muscular Swedish mutant APP-to-Brain axis in the development of Alzheimer's disease