

POSTER PRESENTATIONS

Poster should be on display during the whole conference.

Poster Viewing/Discussions are scheduled during lunch time, from 12:30-14:00 on Friday, 31 August, Saturday, 1 September and Sunday, 2 September

POSTER SESSION 1. SKELETAL MUSCLE MECHANICS

- P1-1 *György Ferenczy, Budapest, Hungary:* Hydrophobic surface unraveling in force-induced titin-domain unfolding
- P1-2 *Kolos Turtóczki, Budapest, Hungary:* Monitoring sarcomeric titin unfolding by ANS-binding and two-photon microscopy
- P1-3 *Christina Karatzaferi, Devon, UK:* Skeletal muscle in renal insufficiency: is calcium sensitivity affected?
- P1-4 *Malin Persson, Stockholm, Sweden:* Nitrosative stress generates an impaired function of myosin to form force-generating cross-bridges
- P1-5 *Lorenzo Marcucci, Padova, Italy:* Experimental testing and numerical modelling of passive behavior in muscle fibers and bundles
- P1-6 YOUNG INVESTIGATOR AWARD COMPETITION
Yaeren Hernandez, Tucson, USA: Titin's role in Skeletal Muscle Function; Sarcogenesis and Passive Tension
- P1-7 *Ian C. Smith, Calgary, Canada:* Contractile function of vastus intermedius fibres from young rats on a high-fat, high-sucrose diet
- P1-8 *Venus Joumaa, Calgary, Canada:* Equatorial and meridional x-ray reflections after active stretch and shortening in skeletal muscle
- P1-9 YOUNG INVESTIGATOR AWARD COMPETITION
Daiki Watanabe, Tokyo, Japan: Effects of S-glutathionylation on passive force in human and rat skeletal muscle fibres

POSTER SESSION 2. MUSCLE CYTOSKELETON

- P2-1 *Julius Kostan, Vienna, Austria:* Structural insight into the myotilin-actin interaction
- P2-2 *Adam Istvan Horvath, Budapest, Hungary:* Subcellular spatial control of non-muscle myosin 2 redistribution and stress fiber strain by Molecular Tattoo
- P2-3 YOUNG INVESTIGATOR AWARD COMPETITION
Yakupova Elmira, Pushino, Russia: Possible functional role of titin amyloid aggregation
- P2-4 YOUNG INVESTIGATOR AWARD COMPETITION
Verena Kanoldt, Planegg, Germany: Elucidating the role of vinculin and its splice isoform metavinculin in cells and mice
- P2-5 *Zsolt Mártonfalvi, Budapest, Hungary:* Calcium dependent elasticity of native titin filaments
- P2-6 *Miklós Kellermayer, Budapest, Hungary:* The topology of interactions between titin and the thick filament
- P2-7 YOUNG INVESTIGATOR AWARD COMPETITION
Janelle Geist, Baltimore, USA: Myosin binding protein-C slow function, regulation, and disease implications
- P2-8 *Caroline Cieniewski-Bernard, Lille, France:* Impact of O-GlcNAcylation changes on desmin behavior in differentiated myotubes