



University of Padova, Italy
Interdepartmental Research
Center of Myology (CIR Myo)



Physiko&Rheumatherapie, Inst. f.
Phys. Med., St. Pölten &
Ambulante Reha, Amstetten, Austria



Ludwig Boltzmann Institute
Electrical Stimulation and Physical Rehabilitation

A&C M-C
Foundation

A&C M-C Foundation
for Translational Myology

2018Spring PaduaMuscleDays, March 15 – 17

Giovanni Salviati Memorial Translational Myology for Health and Disease

Euganei Hills, Padova (Italy), March 15 - 17, 2018

Hotel Augustus, Montegrotto, Euganei Hills (Padova), Italy & Accademia Galileiana di Scienze, Lettere e Arti, Padova, Italy

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Organizers: Ugo Carraro, Helmut Kern, Christiaan Leeuwenburgh, Winfried Mayr, Leonardo Salviati, Marco Sandri



THURSDAY March 15, 2018

Hotel Augustus, Montegrotto, Euganei Hills, (Padova), Italy

08.30 Registration and Posters on display

All conference **POSTER SESSION**

- P1** Oxidative stress theory of aging still alive; role of metals? *Christiaan Leeuwenburgh, University of Florida, Gainesville*
P2 Subclinical muscle denervation: a relevant mechanism of aging muscle decay? *Ugo Carraro, et al., A&C-MC Foundation, Padova*
P3 Histological evidence of continual muscle denervation/reinnervation in aging, *Simone Mosale et al., CIR Myo, Padova*
P4 Mechanisms of neuromuscular junction impact by chronic tobacco smoke exposure, *Russell T. Hepple, University of Florida, Gainesville*
P5 To be announced, *Tanja Taivassalo, University of Florida, Gainesville*

More ..., but up to P15

09.00 – 12.30 **Past, present and future of the seminal research topics of Giovanni Salviati, Session I**

- 09.00** **Basics for translational myology** - *Christiaan Leeuwenburgh and Marco Sandri, Chairs*
09.00 To be announced, *Marco Sandri, University of Padova*
09.30 Mechanisms of muscle protection in world class octogenarian athletes, *Russell T. Hepple, University of Florida, Gainesville*
10.00 Skeletal muscle redox homeostasis and weakness in heart failure, *Leonardo Franklin Ferreira, University of Florida, Gainesville*
10.30 To be announced, *Antonio Paoli, University of Padova*
11.00 Coffee break
11.00 Loss of Bmal1 in skeletal muscle leads to changes in sarcomeric structure and titin expression, *Karyn Esser, University of Florida, Gainesville*
11.30 ER stress modulation in muscle regeneration, *Elisabeth Barton, University of Florida, Gainesville*
12.00 To be announced, *Amber Pond, South Indiana University*
12.30 Lunch

15.00 – 18.30 **Past, present and future of the seminal research topics of Giovanni Salviati, Session II**

- 15.00** **Muscle Dystrophy and Severe Muscle Wasting** - *Lee Sweeney, Corrado Angelini, Chairs*
15.00 Drug combinations for Duchenne muscular dystrophy therapy, *Lee Sweeney, University of Florida, Gainesville*
15.30 To be announced, *Leonardo Salviati, University of Padova*
15.50 To be announced
16.10 Coffee break
16.30 An up-date on LGMD and Becker dystrophies, *Corrado Angelini, Venice-Lido*
17.00 Clinical molecular and pathological considerations on Facio-Scapulo Umeral dystrophy, *Sabrina Sacconi*
17.20 iPSc in Neutral Lipid Storage Myopathies, *Daniela Tavian, Milan*
17.40 Impact of the "Salviati school" on my professional (myology) way, *Marija Meznaric, Ljubliana*
18.00 To be announced
19.30 Dinner in Hotel Augustus



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FRIDAY March 16, 2018 Accademia Galileiana di Scienze, Lettere, Arti, Via Accademia 7, Padova, Italy

08.00 Complimentary Bus from Hotel Augustus to Aula Guariento of the Accademia Galileiana di Scienze, Lettere, Arti

Giovanni Salviati Memorial9.00 **Openings***To be announced**To be announced**Corrado Angelini, Padova**Pompeo Volpe, Padova**Ugo Carraro, Padova*09.30 – 12.30 **Past, present and future of the seminal research topics of Giovanni Salviati, Session III***Roger A. Sabbadini, Ugo Carraro, Chairs*09.30 **How the field of bioactive lipids was inspired by a discovery in the Salviati laboratory***Roger A. Sabbadini, San Diego State University & Stanford University*10.00 **Weak by machines: Skeletal muscles as a target in ICU Patients, Lars Larsson, Karolinska Institutet, Stockholm**10.30 **Unveiling mechanisms of muscular dystrophies: an intellectual curiosity became Giovanni Salviati mission***Romeo Betto, Istituto di Neuroscienze, CNR Padova*10.50 *Coffee Break*11.10 **Mitochondrial Disorders: learning function from dysfunction, Massimo Zeviani, MRC Mitochondrial Biology Unit, Cambridge**11.40 **Twenty years later: Mitochondria as therapeutic targets in muscle diseases, Paolo Bernardi, University of Padova**12.10 **What FES rehabilitation of denervated muscles does and does not, Ugo Carraro, University of Padova**12.30 *Guided walking tour to Padova Highlights**The Battistero del Duomo**Lunch in Piazza Duomo*15.00 **Single muscle fiber analyses**15.00 **Caffeine-induced calcium release in human single muscle fibers, Carlo Reggiani, University of Padova**15.30 **Fiber type-specific mitochondrial profile revealed by single muscle fiber proteomics, Stefano Schiaffino, VIMM, Padova**16.00 *Coffee Break***Muscle Imaging, basics and clinical evidence, Clara Franzini-Armstrong, Feliciano Protasi, Chairs**16.30 **To be announced, Simona Boncompagni, Chieti University and Clara Franzini-Armstrong, University of Pennsylvania, Philadelphia**17.00 **Automated morphometry of muscle fibers in histological sections, Claus Gerstenberger, University of Graz**17.30 **3D Quantitative Muscle Color Computed Tomography, Paolo Gargiulo, Clinical Engineering and Information Technology, Landspítali - University Hospital, Reykjavik**18.30 *Walking through the Piazze and Visit to Giotto Frescos in the Scrovegni Chapel*19.00 *Complimentary Bus to Hotel Augustus*20.00 *Candle Dinner in Hotel Augustus*



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SATURDAY March 17, 2018 Hotel Augustus, Montegrotto, Euganei Hills (Padova), Italy**09.00 - 12.30 Managements of dysfunctional mobility and pain in aging and premature aging***Helmut Kern, Ugo Carraro, Chairs***09.00** Mobility&pain, past, present, future, *Helmut Kern et al., Vienna***09.30** The physiopathologic dialogue between muscle and nerve, *Antonio Musarò et al., Rome***10.00** In search for sound biomarkers of pain-related mobility disorders, *Sandra Zampieri et al., Padova&Vienna***10.30** Coffee break**11.00** To be announced, *Feliciano Protasi et al., Chieti***11.30** To be announced, *Nejc Sarabon, et al., Koper***12.00** Skin biomarkers for pain managements in aging and premature aging, *Giovanna Albertin et al., Padova***12.30** Lunch**15.00 - 18.30 Voice and face rejuvenation***Winfried Mayr, Jonathan Jarvis, Chairs***15.00** To be announced, *Markus Gugatschka, et al., Graz***15.30** To be announced, *Matthias Krenn, et al., Vienna***16.00** To be announced, *Fabian Volk et al., Jena***16.30** Coffee break**17.00** To be announced, *Steffen Eickhoff et al., Liverpool***17.30** To be announced, *Dario Coletti, et al., Paris***18.00** To be announced, *Barbara Ravara et al., Padova***20.00** Dinner in Hotel Augustus**SUNDAY March 18, 2018** Hotel Augustus, Montegrotto, Euganei Hills (Padova), Italy**10.00** 2018 Spring Padua Muscle Days - General Discussion, *Chairs: 2018SpPMD Organizers*
Discussants: All Attendees of the Meeting**12.30** Lunch**13.45** Ugo Carraro: Arrivederci, Auf Wiedersehen, See You to the 2019Spring PaduaMuscleDays

*All presentations will be of 30 minutes time-slots, avoiding late starting and over-talking.**Organizers are confident that Speakers of the early morning and of the early afternoon will be so kind to accept restriction of their talk-time to be fair to the late-Speakers of the sessions.*