



Department of
Biomedical
Sciences

**2012 Autumn
Padua Muscle Days**



Ludwig Boltzmann Institute
of Electrical Stimulation
and Physical Rehabilitation

Muscle training in ageing, denervation and beyond

Padova & Terme Euganee (Italy), November 23 - 25, 2012

Terme Euganee Conference Hall, Hotel Augustus, Viale Stazione 150 - 35136 Montegrotto Terme, Padova, Italy
Phone +39 049 793 200 - Fax +39 049 793518 - http://www.hotelaugustus.com/english/pages/hotel_augustus.php - E-mail: info@hotelaugustus.com

Organizers: H. Kern and U. Carraro

Friday November 23, 2012

Department of Biomedical Sciences, University of Padua,

Viale G. Colombo 3, Padova, Italy - Room F-PR

14.30 Lecture High-resolution respirometry in permeabilized fibers
from small biopsies of human muscle

Prof. Erich Gnaiger

Innsbruck Medical University, Austria

15.15 Lecture Malignant hyperthermia and exertional/environmental
heat stroke: understand the molecular mechanisms to
develop therapeutic interventions

Prof. Feliciano Protasi

Chieti University, Italy

Terme Euganee Conference Hall, Hotel Augustus, Montegrotto Terme, Padova, Italy

18.00 Workshop Rise2-Italy – S. Masiero, Winfried Mayr, Chairmen

Muscle reinnervation on a difficult-to-stimulate case of Conus-Cauda Syndrome

Emiliana Bizzarini, et al., Udine, Italy

Dinamic echomyography of denervated muscle: h-b FES does not hamper reinnervation

Riccardo Zanato, et al., Padova, Italy

*Long-term Effectiveness of h-b FES for denervated muscle is related to compliance. A case study by
3D Color Tomography

*Paolo Gargiulo, et al., Reykjavik, Iceland *by Skype*

*Muscle Density Changes after Electrical Stimulation Therapy with Neuroprosthesis for Finger
Rehabilitation

*Thordur Helgason, et al., Reykjavik, Iceland *by Skype*

Macrophages and muscle regeneration: a multi-faceted interaction that could lead to therapeutic tools.

Eva Galletta et al., Padova, Italy

Program outlooks, *Ugo Carraro, Padova, Italy*

20.00 Dinner

21.00 Organizing Meeting of the 2013Spring PaduaMuscleDays, March 15-17 & future collaborations



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Saturday November 24, 2012

Terme Euganee Conference Hall, Hotel Augustus, Montegrotto Terme, Padova, Italy

09.00 **Workshop Interreg IVa “Mobility in elderly”** – H. Kern, Chairman

10 min Program overview, H. Kern, Vienna, Austria

20 min Morphometry of skeletal muscle in sedentary elderly and senior sportsmen, Sandra Zampieri et al., Padua, Italy

20 min Progressive un-coupling of mitochondria from calcium release units in ageing: implications for muscle performance, Feliciano Protasi, Simona Boncompagni, Chieti, Italy

10 min Training groups in Bratislava, Jan Cvecka, Milan Sedliak, Dusan Hamar, Bratislava, Slovakia

10 min Potentiation & Fatigue responses in senior sportsmen, Nejc Sarabon, Koper, Slovenia

10 min *Assessment of total hip arthroplasty by 3D CT: evaluation of muscle and bone, Paolo Gargiulo, Reykjavik, Iceland *by Skype

10.20 Coffee Break

10.30 **Interreg IVa – Molecular Biology**

30 min The molecular basis of muscle ageing, Antonio Musarò, Rome, Italy

30 min Atrophy/hypertrophy in healthy and diseased muscle and senior sportsmen, Marco Sandri, Padua, Italy

11.30 **Interreg IVa – Perspectives in Rehabilitation of Oncologic Patients**

20 min Strength of muscles and QoL in tumor bearing patients, Richard Crevenna, Helmut Kern, Vienna, Italy

20 min Myopathic features in patients affected with newly diagnosed colorectal cancer, Sandra Zampieri, et al., Padua, Italy

12.30 Lunch & Cycling Exercise

15.30 **Papers in preparation: General Discussion**

19.30 Dinner

21.00 **Interreg IVa: Future collaborations in ageing & oncology**

Sunday November 25, 2012

Terme Euganee Conference Hall, Hotel Augustus, Montegrotto Terme, Padova, Italy

09.00 **Interreg IVa “Mobility in elderly” Partner meeting, Outlook 2013-2015**