**2012 Autumn Padua Muscle Days**

**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](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 2013 Spring Padua Muscle Days, March 15-17 & future collaborations
2012 Autumn
Padua Muscle Days

Muscle training in ageing, denervation and beyond
Padova & Terme Eugane (Italy), November 23 - 25, 2012

Termé Eugane 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

Organizing Secretariat: Ugo Carraro, Padua University, Laboratory of Translational Myology, Department of Biomedical Sciences
Viale G. Colombo 3, I-35121 Padova, Italy - Phone: +39 049 8276030; fax +39 049 8276040; E-mail: ugo.carraro@unipd.it

Saturday November 24, 2012
Terme Eugane 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 sportmen, 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 sportmen, 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 sportmen, 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 Eugane Conference Hall, Hotel Augustus, Montegrotto Terme, Padova, Italy

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