The 2010 Spring PaduaMuscleDays, held in Terme Euganee, Padova (Italy) next April 22 to 24 2010, are organized by the Interdepartmental Research Center of Myology (cirMYO), University of Padova. Main goal is to organize an EU Initiative for Translational Myology on Myology Genetics & Proteomics, Malignancy & Myopathies and Monitoring & Treatments. The Workshop of the EU Initiative will open the meeting April 22, 2010.

Two tutorials on h-bFES (home-based Functional Electrical Stimulation) and Functional Echomyography, co-organized by the cirMYO of the University of Padova and the Ludwig Boltzmann Institute of Electrical Stimulation and Physical Rehabilitation, Wilhelminenspital Vienna, Austria are offered to all participants, in particular to those registered for the “Master in Exercise Testing and Research in Rehabilitation Medicine” organized by the Neurorehabilitation Unit of the University of Pisa, Italy.

Please, to download program, general information and the registration-accommodation forms of the 2010 Spring PaduaMuscleDays link to BAM On-Line at: http://www.bio.unipd.it/bam/bam.html. You will also find the Information for Authors to submit abstracts and manuscripts for both the PaduaMuscleDays and the Journal. Looking forward to your contributions to the European Journal Translational Myology, I send best regards.

Ugo Carraro

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Thursday April 22, 2010

Terme Euganean Conference Hall, Hotel Augustus, Viale Stazione 150 - 35136 Montegrotto Terme (Padova), Italy
14.00 – 20.00 Registration

Workshop of the EU Initiative for Translational Myology, H. Kern, U. Carraro, Organizers

14.45 Ugo Carraro, Padova, Italy: Wp-HEALTH.2011, two promising calls for Translational Myology
15.00 Winfried Mayr, Vienna, Austria: Robotics versus FES, Competition or Synergy?
15.30 Thordur Helgason, Reykjavik, Iceland: Application of ultrasound current source density imaging on denervated muscle, some theoretical considerations
15.50 Jonathan C Jarvis, Liverpool, UK: A systems approach to muscle transformation - first steps
16.10 Helmut Kern, Vienna, Austria: Are denervated muscles a relevant model of aging?
17.00 Break
17.20 Fabio Francini, Roberta Squecco, Florence, Italy: Electrophysiological and mechanical changes in long-term denervated rat muscles
17.40 Ahmet Bozkurt, Aachen, Germany: A new/sophisticated sciatic nerve sleeve model in the rat
17.55 Ahmet Bozkurt, Aachen, Germany: Use of the CatWalk-system for functional assessment after sciatic nerve injuries in the rat
18.10 Barbara Zavan, Padova, Italy: Scaffolds screening for the improvement of the neuronal differentiation of neurospheres derived from adipose tissue and skin
18.30 cirMYO Lecture: 40 years European Society for Muscle Research, Marcus C. Schaub, Zurich, Switzerland

RESTORE, Invited: winfried.mayr@meduniwien.ac.at, christian.hofer@wienkav.at, christian.hofer@ottobock.com, oskar.azemann@meduniwien.ac.at, manfred.frey@meduniwien.ac.at, gregor.kasprzak@meduniwien.ac.at, harald.kubiena@meduniwien.ac.at, tatjana.paternostro-sluga@meduniwien.ac.at, hans.stoehr@meduniwien.ac.at, wil.pys.kern-forschung@wienkav.at, stefan.loepsold@wienkav.at, marina.grim-steiger@wienkav.at, marcus.schaub@unispitalen.it, roberto.stramare@unispitalen.it, vincenzo.vindigni@unispitalen.it, stef.masiere@unispitalen.it, aha@mail.bio.unispitalen.it, romeo.martini@sanita.padova.it, pietro.traldi@adr.pad.cn.it, fabio.francini@unife.it, rhvichie@libero.it, cesaure@umina.it, pubblili@umina.it, fprotasi@phobos.unich.it, thordur@landspitalen.is, palling@landspitalen.is, palling@landspitalen.is, stefan@landspitalen.is, antonio.musaro@univroma1.it, abozkurt77@gmx.de, npallua@ukaachen.de, annajakubiec@o2.pl, lars.dahlin@med.lu.se, goran.lundborg@med.lu.se, vogt.peter@mh-hannover.de, gunen brunner.christoph@mh-hannover.de, gay.vanderstraeten@ugent.be, guenter.fub@ibmt.fraunhofer.de, klaus-peter.hoffmann@ibmt.fraunhofer.de, wigmund.poppendeck@ibmt.fraunhofer.de, stiegfried.stefelenkamp@ibmt.fraunhofer.de, df@hst.aau.dk, hans.dietl@ottobock.com, michael.russold@ottobock.com, friedrich.maher@ibmt.fraunhofer.de, wolfgang.grisold@wienkav.at, hans.laxmann@meduniwien.ac.at

20.00 cirMYO Dinner at Hotel Augustus and Evening discussion of the EU Initiative for Translational Myology
Topics
EU Initiative for Translational Myology - Muscle Genetics & Proteomics & Metabolomics - Malignancy & Myopathies – Monitoring & Treatments


Friday April 23, 2010
Terme Euganee Conference Hall, Hotel Augustus, Viale Stazione 150 - 35136 Montegrotto Terme (Padova), Italy

Session 1. Muscle protein balance in health and disease, Carlo Reggiani, Organizer

09.00 cirMYO Lecture Effects of feeding and physical activity on muscle protein metabolism and associated signalling mechanisms - the confounding effects of age and inactivity, Michael Rennie, Derby, UK

09.40 Marco Sandri, Padova, Italy: Signaling pathways that control protein breakdown and muscle loss

10.10 Gianni Biolo, Trieste, Italy: Regulation of muscle mass by nutrition and activity in health and disease

10.40 Break

Session 2. Malignancy & Myopathies, Stefano Merigliano, Ugo Carraro, Organizers

11.00 Sandra Zampieri, Padova, Italy: Signs of myopathy in patients affected with newly diagnosed colorectal cancer

11.30 Olof Danielsson, Istvan Gati, Björn Lindvall, Jan Ernerudh, Linköping University, Sweden: Classification and pathologic characterization of 99 consecutive patients with morphological findings of idiopathic inflammatory myopathy

11.50 Donatella Biral et al., Padova, Italy: Acquired dystrophinopathies of human muscle: Contrasting effects of early and late denervation atrophy

12.00 cirMYO Lecture Role of skeletal muscle damage & regeneration in cancer cachexia, Dario Coletti, Rome, Italy

13.00 Lunch

Session 3. Muscle Genetics & Proteomics, Marcus C. Schaub, Corrado Angelini, Organizers

14.30 cirMYO Lecture Primer for sarcomeric muscle genetics, Marcus C. Schaub, Zurich, Switzerland

15.15 Marie-Louise Bang, Milan, Italy: The functional role of nebulin's SH3 domain in the sarcomeric Z-line

15.45 Lauren Fisher, Jonathan C Jarvis, Liverpool, UK: Time- and frequency-dependent transcriptional changes in stimulated rat muscle

16.15 Andrew Fisher, Jonathan C Jarvis, Liverpool, UK: Study of intra- and inter-individual variability in muscle transcripts across a rat population

16.45 Break

17.15 Stefano Cagnin, Padova, Italy: Characterization of altered processes and protein modifications in patients affected by inflammatory myopathies

17.45 Sarah Pigozzo, Libero Vitiello, Padova, Italy: Efficiency of antisense-mediated exon skipping in normal and mutated dmd genes

18.15 Scaramozza Annarita, Bologna, Italy: Satellite cells dysfunction may contributes to impaired skeletal muscle regeneration in sporadic amyotrophic lateral sclerosis (ALS)

18.30 Marco Spinazzi, Padova, Italy: Assessment of respiratory chain and antioxidant enzymes in skeletal muscle biopsies

18.45 Enza Abruzzo et al., Bologna, Italy: Oxidative stress in denervated rat muscle

19.00 Carlo Borsato, Padova, Italy: Evolution in dysferlinopathies

19.15 Angelica Anichini, Padova, Italy: Novel mutations and genotype-phenotype correlations in a large cohort of muscular-type cpt-2 deficient patients

19.30 Chiara Ferrati, Padova, Italy: Are brain and muscle involvement related in dm1?

20.00 cirMYO Dinner at Hotel Augustus and Evening discussion of the EU Initiative for Translational Myology
Saturday April 24, 2010
Terme Euganee Conference Hall, Hotel Augustus, Viale Stazione 150 - 35136 Montegrotto Terme (Padova), Italy

Session 4.  Monitoring myopathy progression and recovery in SCI and beyond  – 11 ECM Credits
H. Kern, M. Dini and U. Carraro, Organizers

08.30  Daniel Graupe, Chicago, USA: Recognition and prediction of individual and combined muscular activations modes via surface EMG analysis

09.00  Jon Cheetham, Ithaca, NY, USA: Determination of rheobase and chronaxie in denervated laryngeal muscle in conscious horses

10.00  Paolo Gargiulo, Reykjavik, Iceland: 3D-ColorComputer Tomography image assessment for skeletal muscle volume, composition and density evaluation in SCI

10.20  Humberto Cerrel-Bazo, Milan, Italy: FES in thoracic level SCI: 20-year experience in USA and Italy

10.40  Emiliana Bizzarrini, Udine, Italy: FES in thoracic level SCI: Experience of Udine Gervasutta Hospital

11.00  Break

11.20  cirMYO Lecture: Ultrasound-based investigations of changes in myotendinous properties with disuse and ageing, Marco V. Narici, Manchester, UK

12.00  Sigrid Pillen, Nijmegen, The Netherlands: Detecting neuromuscular disorders and spontaneous muscle activity using muscle ultrasound.

12.20  Vera Nussgruber, Vienna, Austria: Ultrasound of nerve and muscle in clinical neurology

13.00  Lunch

Tutorials on h-bFES and US Functional Echomyography – 11 ECM Credits
H. Kern, R. Stramare, U. Carraro, Organizers

14.20  Ugo Carraro, Padova, Italy: Translational myology: from hope to facts

14.30  cirMYO Lecture Home-base FES of LMN denervated muscles, Helmut Kern, Vienna, Austria

15.10  Practice Devices and protocols of h-bFES, Helmut Kern, Vienna, Austria

16.40  Break

17.00  cirMYO Lecture Echogenicity, contraction and perfusion properties of skeletal muscle by US Functional Echomyography, Roberto Stramare, Leonora Martino, Padova, Italy

17.40  Practice Devices and protocols of US Functional Echomyography, Leonora Martino, Riccardo Zanato, Padova, Italy

18.40  Practice Devices and protocols of US-based investigation of myotendinous apparatus, Marco V. Narici, Manchester, UK

19.40  ECM tests to gain the 11 Credits

19.50  Ugo Carraro Auf Wiedersehen, Sjámst, Aurevoir, Arrivederci, See You to the 2010Autum PaduaMuscleDays

20.00  cirMYO Dinner at Hotel Augustus and Evening discussion of the EU Initiative for Translational Myology