

Interdepartmental Research Center in Myology (cir-MYO)

University of Padova Department of Experimental Biomedical Science

PADUA MUSCLE DAYS 2006

Hotel Continental, Montegrotto Terme - October 20/21, 2006

Friday, October 20, 2006

- 17.45 Ugo Carraro, Francesco Mazzoleni, Paolo Bernardi: *Openings*
- 18.00 Thordur Helgason, Reykjavik, Iceland:
Segmentation and modeling of thigh muscles, bones, veins and arteries
- 18.40 Giuseppe Vita, Messina, Italy:
VEGF gene transfer using adeno-associated viral vectors (AAV-VEGF) stimulates skeletal muscle regeneration and enhances muscle function in mdx mice
- 19.20 Marco Sandri, Padua, Italy:
Master genes of muscle atrophy and hypertrophy
- 20.00 *Dinner*

Meeting of the PRIN 2004-2006 Program: "Dalla rigenerazione alla ricostruzione del muscolo scheletrico: Meccanismi regolatori e applicazioni terapeutiche"

Skeletal Muscle: From Regeneration To Reconstruction

Saturday, October 21, 2006

- 09.00 Giuseppe Vita and Ugo Carraro: *Introduction*
- 09.15 Helmut Kern, Wien, Austria:
Functional electrical stimulation of denervated muscle: clinical improvements
- 10.00 Winfried Mayr, Wien, Austria: Denervated muscles in humans: currently used equipment for functional electrical stimulation and functional monitoring
- 10.20 Feliciano Protasi, Chieti, Italy: Electron microscopy of the human denervated muscle: Severe muscle atrophy and degeneration in spinal cord injury patients can be reversed by functional electrical stimulation
- 10.40 Reginald Bittner, Wien, Austria:
Biochemical findings in electrically stimulated human long-term denervated muscle
- 11.00 *Break*

SCIENTIFIC SECRETARIAT:

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Skeletal Muscle: From Regeneration To Reconstruction

Saturday, October 21, 2006

- 11.20 Fabio Francini, Firenze, Italy: Effects of long-term denervation on excitation contraction coupling in single skeletal muscle fibres of the rat
- 11.40 Marina Marini, Bologna, Italy:
Long-term variations in myogenic gene expression in denervated rat muscle
- 12.00 Ugo Carraro, Padova, Italy: Regeneration of the long-term denervated human muscle
- 13.00 *Lunch*
- 14.00 Giuseppe Vita, Messina, Italy: Nuclear factor kappa-B blockade reduces skeletal muscle degeneration and enhances muscle function in mdx mice
- 14.30 Maria Cristina Tanzi, Milano, Italy: Scaffolds for muscle tissue engineering
- 15.00 Mariarosa Melone, Napoli, Italy: A comparative analysis of different biomaterials in the engineering of skeletal muscle using C2C12 cells in vitro
- 15.30 Vincenzo Vindigni, Padova, Italy: A rat model for reconstruction of ablated muscle
- 16.00 *General Discussion & Future Directions (7^o EU Program and other Applications)*
- 16.30 *Break*

cir-MYO Workshop

- 17.00 Sferrazza R, Bassetto F, Mazzoleni F, Rossini K, Carraro U:
Free neurovascular muscle flap: long-term biopsy findings
- 17.15 Salviati A, Vindigni V, Bassetto F, Mazzoleni F, Biral D, Adami N, Carraro U:
Myogenic events in muscle massive crushing
- 17.30 Rossini K, Biral D, Carraro U, Mayr W, Kern H:
N-CAM and isomyosins of long-term denervated human muscle
- 17.45 Kern H, Boncompagni S, Protasi F, Rossini K, Biral D, Caccavale S, Adami N, Carraro U:
Clinical and histological aspects of the thigh muscle in short-term and long-term upper motoneuron-complete spinal cord injury
- 18.00 Borsato C, Dal Borgo R, Stramare R, Fanin M, Pegoraro E, Angelini C:
Different muscle MRI imaging in polymyositis and dermatomyositis
- 18.15 Biral D, Rossini K, Caccavale S, Adami N, Carraro U:
Reinnervation events in long-term denervated rat muscles
- 18.30 Carraro U, Salviati A, Vindigni V, Mazzoleni F, Rossini K, Adami N, Kern H:
Endovascular electrostimulation of rat muscles

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SEDE DEL MEETING

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