Program

Each time slot will be made of half time of data presentation followed by half time Discussion

**Tuesday September 29, 2015**

**16.30** Registration

**17.00 Muscle Metrics in Aging,** Francesco Piccione, Sandra Zampieri, Chairs

17.00 **Functional metrics of human muscles: decay with aging,** Paolo Gava, Ugo Carraro, Padova/Venice

17.30 **3D Muscle Color Computed Tomography for diagnostics and follow up of mobility impairments,** Paolo Gargiulo, Andrea Marcante, Francesco Piccione, Francesco Gava, Ugo Carraro, Reykjavik/Venice

18.00 **Micro morphometry for diagnostics and follow up of mobility impairments,** Sandra Zampieri, Ugo Carraro, Simone Mosole, Barbara Ravara, Francesco Gava, Helmut Kern, Padova/ Vienna/Venice

18.30 **Molecular adaptation of Calcium handling proteins of human skeletal muscle to Functional Electrical Stimulation and Leg-Press Training in aging: an in situ study,** Simone Mosole et al. Padova/Vienna

19.00 **Horizon 2020 Organizing Meeting,** Jonathan Jarvis, Liverpool

20.30 Dinner Molini del Dolo, Brenta Riviera, Venice

**Wednesday September 30, 2015**

**10.00 MED*EL Workshop: Functional Rejuvenation in Aging**

Werner Lindenthaler, Winfried Mayr, Chairs

10.00 **Functional rejuvenation in Elderly: partially denervated muscle ES, selectivity and patterns for diagnostics and managements,** Werner Lindenthaler, Innsbruck

10.40 **Seeking economy of charge injection in activation of motor nerves,** Martin Schmoll, Jonathan Jarvis, Vienna/Liverpool

11.20 **MiniVStim18B: A new member in the family of FES implants for small animals goes towards denervated muscles,** Manfred Bijak, Ewald Unger, Michael Haller, Martin Schmoll, Jonathan Jarvis, Hermann Lamuller, Vienna/Liverpool

12.00 **Chronic electrical stimulation of the RLN in rodents: Results of a feasibility study,** Markus Gugatschka, Graz/Stockholm

12.40 **Chronic neurostimulation of the aged larynx - first results from a large animal study,** Michael Karbiener, Graz

13.20 Lunch
14.20 Muscle Rejuvenation in Aging and Neuromuscular Disorders
Jonathan Jarvis, Ugo Carraro, Chairs

14.20 Vagus stimulation and brain ischemia, an interim report, Marco Patruno, Luca Denaro, Domenico D’Avella, Giorgio Gioffrè, Giulia Melinda Furlanis, Tiziana Martinello, Laura Cavicchioli, Giovanni Caporale, Hermann Lanmuller, Jonathan Jarvis, Padova/Vienna/Liverpool

15.00 Electrical stimulation in neuromuscular disorders: A case report, Antonio Marziali, Alfredo Musumeci, Stefano Masiero, Padova

15.40 Diagnostics and management of human denervated muscle: Rehabilitative approach, Andrea Marcante, Venice

16.20 The Vienna and Padua strategies for stimulation of human muscles in neuromuscular disorders and aging, Winfried Mayr, Alfonc Baba, Andrea Marcante, Francesco Piccione, Ugo Carraro, Vienna/Venice

17.00 Barchesse Villa Valmarana & Villa Malcontenta 20.00 Dinner: Trattoria Ba.za.bo, Via Grandi, 34/A, Vigonza, Padova

21.00 MED®EL Workshop on Functional Rejuvenation, Werner Lindenthaler, Chair

General Discussion 1st

Thursday October 1, 2015

8.00 MED®EL Workshop on Functional Rejuvenation, Jonathan Jarvis, Chair

General Discussion 2nd, with breakfast

9.30 U. Carraro - Arrivederci, Auf Wiedersehen, Aurevoir, Búcsú, Despedida, Poslovite, Sjámst, See You to 2016 Spring PaduaMuscleDays