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Easy Aging and A&C
Mioni-Carraro
Foundation for
Translational Myology

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2027(Pd3m) Padua Days on Muscle and Mobility Medicine

From March 9th to March 12th, 2027 - Euganean Thermae, Padua (Italy)

Hotel Petrarca, Piazza Roma 23, Montegrotto, Euganean Thermae, (Padova) 35122 - Italy

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Organizers: Corrado Angelini, Stephen Anton, Elena Barbieri, Elisabeth Barton, Ines Bersch, Ugo Carraro, Claudia Ferreira, Paolo Gargiulo, Paola Gigliotti, Vincent Grote, Yuki Hayashi, Russell T. Hepple, David Hood, Elena P. Ivanova, Christiaan Leeuwenburgh, Maria Chiara Maccarone, Stefano Masiero, Winfried Mayr, Aldo Morra, Philippe Perrin, Riccardo Rosati, Gabriele Siciliano, H. Lee Sweeney, Daniela Tavian, Gerd Fabian Volk, Sandra Zampieri

REGISTRATION FEES: € 350 - One-Day REGISTRATION FEES: € 150 – ZOOM Registration Fees: 100 - Young Attendees: Exempt

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Preliminary PROGRAM (updated on September 09 ,2026)

TUESDAY March 9th, 2027

Conference Hall Paradise, Hotel Petrarca, Euganean Thermae (Padua) Italy

09:00 am Session I: Digital Data Science in Mobility Medicine, Paolo Gargiulo, Aldo Morra, Chairs

09:00 am To be announced, Paolo Gargiulo, Institute of Biomedical and Neural Engineering, Reykjavik University, Iceland

09:30 am To be announced, Gianmarco Dolino, Institute of Biomedical and Neural Engineering, Reykjavik University, Iceland

10:00 am To be announced, Damiano Coato, Institute of Biomedical and Neural Engineering, Reykjavik University, Iceland

10:30 am To be announced

10:50 am Coffee Break

11:00 am Responsible AI, Data, and Research Integrity in Digital Health Research, Megan Monachino, Elsevier Inc., Philadelphia, PA, USA

11:30 am To be announced

12:00 am To be announced

12:30 am Lunch

TUESDAY March 9th, 2027

Conference Hall Paradise, Hotel Petrarca, Euganean Thermae (Padua) Italy

02:00 pm **Session II: Integrating Body Weight Control and Full-Body In-Bed Gym,**
Stephen Anton, Maria Chiara Maccarone, Paola Gigliotti, Organizers

02:00 pm To be announced

02:30 pm To be announced

03:00 pm To be announced

03:30 pm To be announced

04:00 pm To be announced

04:20 pm Coffee Break

04:30 pm To be announced

05:00 pm To be announced

05:30 pm **Integrating personalized full-body training, digital diagnostics and functional electrical stimulation of denervated human muscles, Ugo Carraro et al.,** Department of Biomedical Sciences, University of Padova, Italy

06:00 pm To be announced

06:30 pm To be announced

07:30 pm Dinner

WEDNESDAY March 10th, 2027

Conference Hall Paradise, Hotel Petrarca, Euganean Thermae (Padua) Italy

09:00 pm Workshop of the Myology Institute of University of Florida on Genetic Neuromuscular Diseases, Elisabeth R. Barton and H Lee Sweeney, Organizers

09:00 am Session III: Pathophysiology of Genetic Neuromuscular Diseases, Elisabeth R. Barton, Gabriele Siciliano, Chairs

09:00 am To be announced, Marco Sandri, et al., University of Padua, Italy

09:30 am Advances in diagnosis and clinical monitoring in FSHD, Massimiliano Filosto, Department of Clinical and Experimental Sciences, University of Brescia, Italy

10:00 am To be announced, Gabriele Siciliano, et al., University of Pisa, Italy

10:30 am To be announced, Lorenzo Maggi, Istituto Besta, Milan, Italy

10:50 am Open Coffee

11:00 am Session IV: Managements of Genetic Neuromuscular Diseases, Daniela Tavian, Corrado Angelini, Chairs

11:00 am Ultrarare PYROXD1, ACTN2, and FHL1-RB congenital-myopathies – Pharmacological treatment through HiPSC-based drug repurposing, Edoardo Malfatti, University Paris Est Créteil, Inserm, U955, IMRB, Créteil, France

11:30 am Repair and Regeneration Mechanisms in LGMDs, Giovanna Cenacchi, Dept. of Biomedical and Neuromotor Sciences, Alma Mater, University of Bologna, Italy

11:50 am Genetic epidemiology of NLS, Corrado Angelini, University of Padova, Italy

12:00 am ATGL-mediated crosstalk between lipolysis and lipophagy in neutral lipid storage disease with myopathy, Sara Missaglia et al., Catholic University of Milan, Italy

12:20 am (ZOOM) LECTURE of Elisabeth R. Barton, Strategies to correct Store Operated Calcium Entry in LGMD R1, College of Health and Human Performance, University of Florida, Gainesville, FL, USA

13:00 pm Lunch

WEDNESDAY March 10th, 2027

Conference Hall Paradise, Hotel Petrarca, Euganean Thermae (Padua) Italy

- 02:00 pm **Session V: Mitochondrial Translational Myology.1, David Hood, Russell T. Hepple, Chairs**
- 02:00 pm **Multi-omic analysis of human skeletal muscle following exercise and disuse in older adults, Blake Rasmussen**, Univ. Texas Health Science Center at San Antonio, USA
- 02:30 pm **A paradigm-shifting view of skeletal muscle mitochondrial and microvascular adaptations to training, Zhen Yan**, Virginia Tech University, Roanoke, VA, USA
- 03:00 pm **Exercise and lactate induced epigenetic changes in skeletal muscle, Zsolt Radak**, Hungarian University of Sport Science, Budapest, Hungary
- 03:30 pm **Role of ATF4 in determining the sarcopenic phenotype, David Hood**, Muscle Health Research Centre, York University, Toronto, Canada
- 04:00 pm **(ZOOM) OGG1 mediated oxidized mitochondrial DNA repair attenuates inflammatory signaling in skeletal muscle cells, Thulasi Mahendran**, Muscle Health Research Centre, York University, Toronto, Canada
- 04:15 pm **(ZOOM) Evaluation of the effectiveness of mitochondrial transplantation in skeletal muscle, Daniella Della Mea**, Muscle Health Research Centre, York University, Toronto, Canada
- 04:30 pm **(ZOOM) Evaluating mitochondrial dysfunction and cellular senescence in muscle cells, Nicole Benayguez**, Muscle Health Research Centre, York University, Toronto, Canada
- 04:45 pm Coffee
- 05:00 pm **Session VI: Mitochondrial Translational Myology.2, Russell T. Hepple, David Hood, Chairs**
- 05:00 pm **Mitochondrial permeability transition as a therapeutic target in wasting conditions, Russell T. Hepple**, University of Florida, Gainesville, FL, USA
- 05:30 pm **To be announced, Gilles Gouspillou**, Universite du Quebec a Montreal, Canada
- 06:00 pm **Muscle perfusion and muscle size, Bert Blaauw**, Dept. Biomedical Sciences, University of Padova, Italy
- 06:15 pm **(ZOOM) To be announced, Student of Hepple**, University of Florida, Gainesville, FL, USA
- 06:30 pm **(ZOOM) To be announced, Student of Hepple**, University of Florida, Gainesville, FL, USA
- 06:45 pm **Special Lecture of Luigi Ferrucci**, National Institute on Aging/Intramural Research Program, Baltimore, MD, USA
- 08:00 pm Dinner

THURSDAY March 11th, 2027

Conference Hall Paradise, Hotel Petrarca, Euganean Thermae (Padua) Italy

- 09:00 am **Session VII: Denervated-muscle FES**, Winfried Mayr, Ines Bersch, Gerd Fabian Volk, Organizers
- 09:00 am To be announced
- 09:30 am To be announced
- 10:00 am To be announced
- 10:30 am To be announced
- 11:00 am Coffee Break
- 11:15 am To be announced
- 11:45 am To be announced
- 12:30 am Lunch
- 02:00 pm **Session VIII: Exerkines as mediators of benefits of exercise**, Daniela Tavian, Elena Barbieri, Chairs
- 02:00 pm **Circulating hematologic signatures distinguish low vs high physical function in older adults**, Rola S. Zeidan, Department of Physiology and Aging, University of Florida, USA
- 02:20 pm **15-PGDH: a gerozyme in motion: Preliminary evidence from resistance exercise**, Eleonora Martegani (1,2), Sara Missaglia (1,2), Luigi Marano (1,2), Ferdinando Cereda (3), Daniela Tavian(1,2), (1) Laboratory of Cellular Biochemistry and Molecular Biology, CRIBENS, Catholic University of Sacred Heart, Milan, Italy; (2) Dept. of Psychology, Catholic University of Sacred Heart, Milan, Italy; (3) Dept. of Education, Catholic University of Sacred Heart, Milan, Italy
- 02:40 pm **Circulating 15-PGDH following maximal aerobic exercise in healthy individuals**, Xhuljano Vukaj (1,2), Ester Tommasini (1,2), Eleonora Martegani (1,2), Sara Missaglia (1,2), Andrea Bosio (3), Paola Vago (1,2), Ermanno Rampinini (3,4), Daniela Tavian (1,2), (1) Laboratory of Cellular Biochemistry and Molecular Biology, CRIBENS, Catholic University of Sacred Heart, Milan, Italy; (2) Dept. of Psychology, Catholic University of Sacred Heart, Milan, Italy; (3) Human Performance Laboratory, Mapei Sport Research Centre, Olgiate Olona, Varese, Italy; (4) Sport and Exercise Discipline Group, Human Performance Research Centre, Faculty of Health, University of Technology Sydney, Moore Park, NSW, Australia.
- 03:00 pm **To be announced**, University of Urbino Carlo Bo, Italy
- 03:20 pm **To be announced**, University of Urbino Carlo Bo, Italy
- 03:40 pm **To be announced**, University of Urbino Carlo Bo, Italy
- 04:00 pm **Session IX: Mediators of benefits of exercise**, Anna Picca, Marta González Freire, Christiaan Leeuwenburgh, Chairs
- 04:00 pm To be announced, Anna Picca, LUM University, Casamassima, Italy
- 40:20 pm To be announced, Marta González Freire, Health Research Institute of the Balearic Islands, Palma de Mallorca, Spain
- 40:40 pm To be announced

THURSDAY March 11th, 2027

Conference Hall Paradise, Hotel Petrarca, Euganean Thermae (Padua) Italy

05:00 pm Open Coffee

05:00 pm **Session X: Ludwig Boltzmann Institute Workshop on Rehabilitation Assessments**, Vincent Grote, Sandra Zampieri, Chairs

05:00 pm **Network Analysis of Rehabilitation Outcomes: A Model for More Personalised Care**, Stefanie Hochenwarter et al., Ludwig Boltzmann Institute, Vienna, Austria

05:20 pm **Interpretation of Clinically Significant Changes Following Rehabilitation for Knee and Hip Replacements: The Role of MCIDs Stratified by Baseline Values**, Ferdinand Prüfer et al., Ludwig Boltzmann Institute, Vienna, Austria

05:40 pm **What Defines a Responder? Linking Outcome Measurement, Critical Success Factors, and Patient Stratification in Rehabilitation**, Spela Matko et al., Ludwig Boltzmann Institute, Vienna, Austria

06:00 pm **Professional Ethics as an Unexplored Core of Rehabilitation: A Call for Systematic Investigation**, Petra Kotnik, Ludwig Boltzmann Institute, Vienna, Austria

06:20 pm **Development of a Multidimensional Rehabilitation Programme for Adults with Flat Feet: From Literature Review to Clinical Application**, Bernarda Sustaric, Ludwig Boltzmann Institute, Vienna, Austria

06:40 pm **To be announced**

07:00 pm **Conclusive Remarks**, Vincent Grote, Ludwig Boltzmann Institute for Rehabilitation Research, Vienna, Austria

07:30 pm Dinner

FRIDAY March 12th, 2027

Conference Hall Paradise, Hotel Petrarca, Euganean Thermae (Padua) Italy

- 09:00 pm Elsevier Workshop on Aging, Christiaan Leeuwenburgh**, Organizer, University of Florida, USA
- 09:00 am Session XI: Nutritional compounds for Medicine - Nicotinamide Riboside, Sulforaphane (Broccoli), Oleuropein (Olive Leaves) and Fermented Foods to Target the Hallmarks of Aging, Christiaan Leeuwenburgh**, University of Florida, USA, Charalampos Tzoulis, University of Bergen, Norway, Chairs
- 9:00 am Overview of Novel Nutritional Compounds to Slow Aging, Christiaan Leeuwenburgh**, University of Florida, Institute on Aging, Gainesville, USA
- 9:15 am Mitochondria, NAD+ Metabolism, and Proteostasis: Emerging Therapeutic Opportunities for Healthy Aging, Vincenzo Sorrentino**, Department of Biochemistry, Yong Loo Lin School of Medicine, NUS, Singapore
- 9.45 am NAD Augmentation Therapy as a Disease-Modifying Approach for Neurodegeneration, Charalampos Tzoulis**, University of Bergen, Norway
- 10:15 am To Be Announced, Christian Dölle**, University of Bergen, Norway
- 10:45 am Sulforaphane improves the health of aged skeletal muscle, Anastasiya Kuznyetsova**, York University, Muscle Health Research Centre, Toronto, Canada
- 11:15 am Open Coffee**
- 11:15 am Fermented Papaya (FPP): Enhancing Resiliency, Physical Performance and Cognitive Function with Age, Maki Osato**, Osato Research Institute, Gifu, Japan
- 11:45 am Assessing the cognitive and driving performance benefits of Fermented Papaya in older adults, Hongwu Wang**, Technology for Occupational Performance (TOP) Lab & Institute for Driving, Activity, Participation, and Technology (I-DAPT), University of Florida, USA
- 12:15 pm Oleuropein, Nicolas Place** nicolas.place@unil.ch or two 15 min talks - in touch, he is considering sending a student/no confirmation
- 12:45 am Lunch**

FRIDAY March 12th, 2027

Conference Hall Paradise, Hotel Petrarca, Euganean Thermae (Padua) Italy

- 02:00 pm **Session XII: Thermal Managements and Rehabilitation in Mobility Medicine**, Philippe Perrin, Elena P. Ivanova, Stefano Masiero, Organizers
- 02:00 pm **To be announced**, Philippe Perrin, University of Lorraine and the University Hospital of Nancy, Vandoeuvre-lès-Nancy, France
- 02:40 pm **To be announced**
- 03:00 pm **To be announced**
- 03:20 pm **Health Resort–Based Lifestyle Interventions for Cardiometabolic Risk Reduction: A Real-World Retrospective Study of 353 Participants**, Gianluca Regazzo, Stefano Masiero, Rehabilitation Unit of the Neuroscience Department, Padova University, Italy
- 03:40 pm **Using preventive strategies to optimize spa treatment for patients with chronic obstructive pulmonary disease**, Maxim Yu. Yakovlev (1,2), Irina A. Grischechkina (1), (1) Department for Studying the Mechanisms of Action of Physical Factors, National Medical Research Center for Rehabilitation and Balneology; (2) Department of General Hygiene, Sechenov University, Moscow, Russia
- 04:00pm **Coffe break**
- 04:20 pm **To be announced**
- 04:40 pm **To be announced**
- 05:00 pm **To be announced**
- 05:20 pm **To be announced**
- 05:40 pm **To be announced**
- 06:00 pm **To be announced**
- 06:20 pm **To be announced**
- 06:40 pm **Conclusive Remarks**, Stefano Masiero, Rehabilitation Unit of the Neuroscience Department, Padova University, Italy
- 07:30 pm **Dinner**

FRIDAY March 12th, 2027

Conference Hall *Grazia*, Hotel Petrarca, Euganean Thermae, Padua, Italy

09:00 am **Masterclass I on Muscle Rehabilitation in Dentistry,**

Riccardo Rosati, Elena P. Ivanova, Claudia Dellavia, Organizers

09:00 am To be announced

09:20 am To be announced

09:40 am To be announced

10:00 am To be announced

10:20 am To be announced

10:40 am To be announced

11:00 am To be announced

11:20 am To be announced

11:40 am To be announced

12:00am **Conclusive Remarks and farewells, Riccardo Rosati,** Department of Biomedical Surgical and Dental Sciences, Università degli Studi di Milano, Milan, Italy

12:30 am Lunch

02:00 pm **Masterclass II on Muscle Rehabilitation in Dysphagia and Speech Therapy,**

Claudia Ferreira, Maria Chiara Maccarone, Organizers

02:00 pm To be announced,

02:00 pm To be announced,

02:40 pm To be announced

03:00 pm To be announced

03:20 pm To be announced

03:40 pm To be announced

04:00 pm To be announced

04:20 pm To be announced

04:40 pm To be announced

05:00 pm To be announced

05:20 pm To be announced

05:40 pm To be announced

06:00 am **Conclusive Remarks and farewells, Maria Chiara Maccarone,** Sant'Antonio Hospital and Rehabilitation Unit of the Neuroscience Department, Padova University, Italy

07:30 pm Dinner

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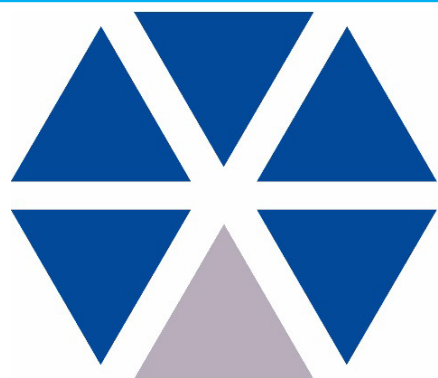
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