

Mobility Medicine: A call to unify hyper-fragmented specialties by abstracts sent to 2025Pdm3, and typescripts to E_jtm3, and *Diagnosics*

Ugo Carraro (1,2,3), Marie Sophie Alberty (4), Stephen Anton (5,6), Elena Barbieri (7), Ines Bersch-Porada (4), Bert Blaauw (1,2), Gerardo Bosco (1,2,8), Daniele Coraci (9), Riccardo Forni (10), Massimo Ganassi (11), Paolo Gargiulo (10,12), Paulo Gentil (13), Ashraf S. Gorgey (14,15), Christiaan Leeuwenburgh (16), Maria Chiara Maccarone (9), Alessandro Martini (17), Stefano Masiero (9), Winfried Mayr (18), Giuseppe Messina (19,20), Aldo Morra (21,22), Marco Narici (1,2), Kay Ohlendiek (23), Philippe Perrin (24), Amber Pond (25), Marco Quadrelli (21), Riccardo Rosati (26), Piero Sestili (7), Piera Smeriglio (27), H. Lee Sweeney (28), Daniela Tavian (29), Fabian Volk (30).

(1) Department of Biomedical Sciences, University of Padova, Italy; (2) Interdepartmental Research Centre of Myology, University of Padova, Italy; (3) A&C M-C Foundation for Translational Myology, Padua, Italy; (4) International FES Centre®, Swiss Paraplegic Centre Nottwil, Switzerland; (5) Department of Physiology and Aging, College of Medicine, University of Florida, Gainesville, USA; (6) Department of Clinical and Health Psychology, University of Florida, Gainesville, USA; (7) Department of Biomolecular Sciences, University of Urbino Carlo Bo, Urbino (PU) Italy; (8) Department of Biomedical Sciences: Environmental Physiology and Medicine Lab, University of Padova, Italy; (9) Department of Neuroscience, Rehabilitation Unit, University of Padova, Italy; (10) Institute of Biomedical and Neural Engineering, Reykjavik University, Reykjavik, Iceland; (11) Randall Centre for Cell and Molecular Biophysics, King's College London, London, UK; (12) Landspítali, University Hospital of Iceland, Reykjavik, Iceland; (13) College of Physical Education and Dance, Federal University of Goiás, Brazil; (14) Spinal Cord Injury and Disorders Center, Hunter Holmes McGuire VA Medical Center, Richmond, Virginia, USA; (15) School of Medicine, Department of Physical Medicine and Rehabilitation, Virginia Commonwealth University, Richmond, Virginia, USA; (16) Department of Physiology and Aging, College of Medicine, University of Florida, FL USA; (17) Padova University Research Center "International Auditory Processing Project in Venice (I-APPROVE)", Department of Neurosciences, University of Padua, Italy; (18) Medical University of Vienna, Center for Medical Physics and Biomedical Engineering, Vienna Austria; (19) Department of Human Sciences and Promotion of the Quality of Life, San Raffaele University, Rome, Italy; (20) PLab Research Institute, Palermo, Italy; (21) Synlab Euganea Medica, Padua, Italy; (22) Synlab IRCCS SDN S.p.A., Neaple, Italy; (23) Department of Biology, Maynooth University, National University of Ireland, Maynooth, Co. Kildare, Ireland; (24) Development, Adaptation and Handicap, Faculty of Medicine, University of Lorraine, Vandoeuvre-lès-Nancy, France; (25) Anatomy Department, Southern Illinois University School of Medicine, Carbondale, IL., USA; (26) Department of Biomedical Surgical and Dental Sciences, University of Milan, Italy; (27) Sorbonne Université, INSERM, Institut de Myologie, Centre de Recherche en Myologie, Paris, France; (28) Myology Institute, University of Florida, Gainesville, Florida, USA; (29) Laboratory of Cellular Biochemistry and Molecular Biology, CRIBENS, Università Cattolica del Sacro Cuore, Milan, Italy; (30) ENT-Department, Facial-Nerve-Center and Center of Rare Diseases, Jena University Hospital, Jena, Germany.

This article is distributed under the terms of the Creative Commons Attribution Noncommercial License (CC BY-NC 4.0) which permits any noncommercial use, distribution, and reproduction in any medium, provided the original author(s) and source are credited.

Abstract

Mega scientific conferences increasingly suffer from the need for short and poster presentations without discussion. An alternative is to organize workshops in hotels large enough to accommodate all participants. This significantly increases the opportunities for constructive discussion during breakfasts, lunches, dinners and long evenings that can bring together experts of scientific and clinical sub-specialties and young fellows. Time for groups' discussions and new collaborations are increased so as the job opportunities for the young researchers. The Padova Muscle Days have offered in the previous thirty-five years these opportunities, which

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

have matured into innovative and multidisciplinary results to the point that it came naturally to underline it with a neologism now included in the title of the 2025 event: “Mobility Medicine”, a discipline not yet officially recognised, that makes explicit the call for rejoining knowledges dispersed in sub-specialisations. The included program of the Padua Days on Muscle and Mobility Medicine 2025 (2025Pdm3) will be hosted at the Hotel Petrarca in Euganean Thermae (Padua, Italy) from 25 to 29 March 2025. It further testifies by listing unique Sessions that it is possible to organize valid countermeasures to the inevitable tendencies towards hyperspecialization that the explosive increase in scientific progress brings with it. Furthermore, the European Journal of Translational Myology and Mobility Medicine (Ejtm3) will accept typescripts on results presented at the 2025Pdm3, together with the Special Section: New Trends in Musculoskeletal Imaging of the MDPI (Basel) Journal *Diagnostics*, because diagnosis is essential to prevent, manage and follow-up not only neuro-metabolic-muscular disorders, but the unavoidable physiological decay of performances in early and late aging. Hoping many others share our dreams, we look forward to meeting you at 2025Pdm3 conference.

Key Words: Padua Days on Muscle and Mobility Medicine, 2025Pdm3; European Journal of Translational Myology, Ejtm3; PAGEpress; Italy.

Eur J Transl Myol 34 (1) 13432. doi: 10.4081/ejtm.2024.13432

The Padova Muscle Days (PMDs), an international meeting on skeletal muscle, began in 1985 as the First Abano Terme Meeting on Rehabilitation (Padua, Italy), to provide advice on Translational Myology. The interest has always been to influence clinical trials with the results of basic research. Indeed, function and mass of striated skeletal muscle influence and are influenced by central and peripheral neural disorders, diseases of the heart, lung, liver, metabolism, endocrine tissues, together with lifestyle and aging, not to mention cancer. Thus, over the course of thirty-five years, the Padova Muscle Days have offered those opportunities, which have matured into innovative and multidisciplinary results to the point that it came naturally to underline it with a neologism now included in the title of this series of conferences, namely "Mobility Medicine." Mobility Medicine is not yet officially recognized as an academic discipline, but the new nickname makes explicit the much-needed call to reunite knowledge currently dispersed in sub-subspecialties and finally tackle muscle weakness and improve performance. The following program of the five days of the Padua Days on Muscle and Mobility Medicine to be held 25-29 March 2025 (2025Pdm3) will be hosted at the Hotel Petrarca in Euganean Thermae, Padua, Italy. The program lists traditional and unique sessions testifying that it is possible to organize valid countermeasures to the inevitable tendencies towards hyperspecialization that the explosive increase in scientific progress brings with it. Furthermore, the European Journal of Translational Myology and Mobility Medicine (Figures 1 and 2) will accept typescripts of results presented at the 2025Pdm3, as Review, Original Articles and Ejtm3 Communications. Meantime a Special Section of the MDPI (Basel) Journal *Diagnostics* will accept submissions because diagnosis is a prerequisite of prevention, managements and follow-up not only of neuro-metabolic muscular disorders, but also of the physiologic unavoidable decay of the older adults, as well as the pathologic cachexia of cancer. The Program of the five-day

2025Pdm3 will include in-presence and on-line oral presentations of senior and early-stage scientists and clinicians from Argentina, Austria, Brazil, Bulgaria, Canada, Egypt, France, Germany, Iceland, Ireland, Italy, Russia, Slovenia, Sweden, Switzerland, UK and USA. The Collection of Abstracts will be e-published and released by PubMed before the 2025Pdm3 in the Issue 35 (1) 2025 of the European Journal of Translational Myology (Ejtm3). As the sole example, we stress that the challenges associated with physical inactivity in the elderly, often attributed to factors such as age and concurrent medical conditions, have far-reaching implications for their well-being and independence. The lack of physical activity not only curtails their autonomy, but increases the risk of extended hospitalization, leading to issues such as neuromuscular weakening, functional limitations, and substantial healthcare expenses.¹⁻⁴ Managing the progressive physical inactivity-related impairments demands ongoing attention. It should be highlighted that physical exercise, even if performed in bed (home Full-Body In-Bed Gym) represents a highly promising and multifaceted option. This approach can contribute to global health promotion by enhancing cardiovascular fitness, muscle strength, flexibility, and mental well-being, making it a preventive, low-risk, time-saving and cost-effective strategy that can be tailored to individual needs and preferences. Beyond physical benefits, exercise positively impacts mental health and can serve as a complement (that perhaps a boost) to pharmaceutical interventions.⁵ However, community-based exercise initiatives can face various challenges, including financial constraints, difficulties in accessibility, time limitations, and a shortage of specialized guidance.^{6,7} Hence, adoption of home-based physical exercise routines, presents a viable and cost-efficient alternative.

In conclusion, the 2025Pdm3 will be interesting and successful as all previous "Padova Days on Muscle and Mobility Medicine."⁸⁻¹⁵

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432



Fig 1. The European Journal of Translational Myology. PAGEpress, via A. Cavagna Sangiuliani 5, 27100 Pavia, Italy

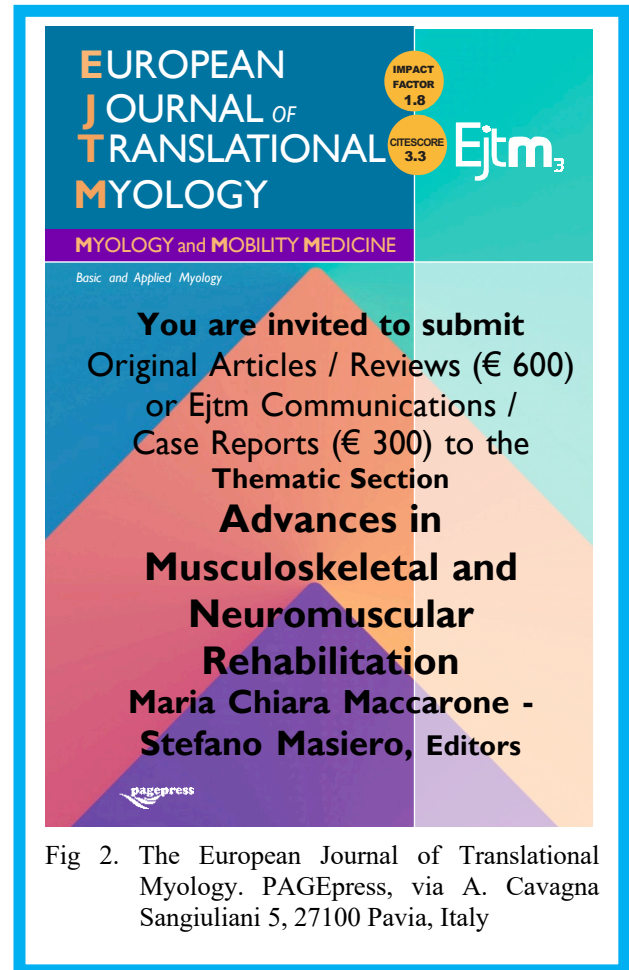


Fig 2. The European Journal of Translational Myology. PAGEpress, via A. Cavagna Sangiuliani 5, 27100 Pavia, Italy

List of acronyms

- Ejtm3 - European Journal of Translational Myology
- Pdm3 - Padua Days on Muscle and Mobility Medicine
- PMD – Padua Muscle Days

Acknowledgments

The figures at end of the typescript depicts the Patrons and the Sponsors, but we must highlight the four most generous:

- The Myology Institute at the University of Florida, Gainesville, FL, USA, directed by H. Lee Sweeney, whose generous donation allowed all lecturers and speakers who had to cover costs of transatlantic flights to be exempt from registration fees.
- The Gastaldello Family of Hotel Petrarca, Montegrotto Terme, Padua, Italy for a generous donation to the Armando & Carmela Mioni-Carraro Foundation for Translational Myology, Padua, Italy (A&C M-Carraro Foundation).
- MED-EL Medical Electronics, a leader in auditory implants and functional electrical stimulation solutions, Fuerstenweg 77a, 6020 Innsbruck, Austria.
- The Armando & Carmela Mioni-Carraro Foundation for Translational Myology, Padua, Italy.

Special thanks to Teresa Carrara, the managing editor of Ejtm3, to her colleagues and to Mr. Michele Moscato, founder of PAGEpress Publications, via A. Cavagna Sangiuliani 5, 27100 Pavia, Italy.

Funding

The 2025Pdm3 will be supported by the University of Florida Myology Institute and Wellstone Center, Gainesville, FL, USA.

The organization of the “MED-EL Workshop on Electromedicals”, March 25, 2025 is generously sponsored by MED-EL Medical Electronics, Fuerstenweg 77a, 6020 Innsbruck, Austria.

E-publishing of this typescript was supported by the A&C M-Carraro Foundation for Translational Myology, Galleria Duomo 5, 35141 Padua, Italy and by PAGEpress, via A. Cavagna Sangiuliani 5, 27100 Pavia, Italy

Conflict of Interest

The authors disclose no conflicts of research interest.

Ethical Publication Statement

We confirm that we have read the Journal’s position on issues involved in ethical publication and affirm that this report is consistent with those guidelines.

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

Corresponding Author

Ugo Carraro
The A&C M-Carraro Foundation for Translational
Myology, Galleria Duomo 5, 35141 Padua, Italy.
ORCID iD: 0000-0002-0924-4998
Mobile +39 338 1575745.
E-mail: ugo.carraro@unipd.it

Emails and ORCID iD of Coauthors

Marie Sophie Alberty:
mariesophie.alberty@paraplegie.ch
ORCID iD: 0009-0009-1699-9756
Stephen Anton: santon@ufl.edu
ORCID iD: 0000-0001-5020-5280
Elena Barbieri: elena.barbieri@uniurb.it
ORCID iD: 0000-0002-3480-7983
Ines Bersch: ines.beresch@paraplegie.ch
ORCID iD: 0000-0001-5519-5893
Bert Blaauw: bert.blaauw@unipd.it
ORCID iD: 0000-0002-4167-5106
Gerardo Bosco: gerardo.bosco@unipd.it
ORCID iD: 0000-0001-6595-7944
Daniele Coraci: daniele.coraci@unipd.it
ORCID iD: 0000-0002-7019-9006
Riccardo Forni: riccardo21@ru.is
ORCID iD: 0000-0003-1297-6134
Massimo Ganassi: massimo.ganassi@kcl.ac.uk
ORCID iD: 0000-0003-3163-9707
Paolo Gargiulo: paolo@ru.is
ORCID iD: 0000-0002-5049-4817
Paulo Gentil: paulogentil@hotmail.com
ORCID iD: 0000-0003-2459-4977
Ashraf S. Gorgey: ashraf.gorgey@va.gov
ORCID iD: 0000-0002-9157-6034
Christiaan Leeuwenburgh: cleeuwen@ufl.edu
ORCID iD: 0000-0003-0826-4257
Maria Chiara Maccarone:
mariachiara.maccarone@phd.unipd.it
ORCID iD: 0000-0003-2793-1334
Alessandro Martini: alessandromartini@unipd.it
ORCID iD: 0000-0002-2003-6348
Stefano Masiero: stef.masiero@unipd.it
ORCID iD: 0000-0002-0361-4898
Winfried Mayr: winfried.mayr@meduniwien.ac.at
ORCID iD: 0000-0001-9648-3649
Giuseppe Messina: giuseppe.messina@uniroma5.it
ORCID iD: 000-0571-9248-1360
Aldo Morra: aldo.morra@synlab.it
ORCID iD: 0000-0003-4378-5453
Kay Ohlendieck: kay.ohlendieck@mu.ie
ORCID iD: 0000-0002-6266-4510
Marco Narici: marco.narici@unipd.it
ORCID iD: 0000-0003-0167-1845
Philippe Perrin: philippe.perrin@univ-lorraine.fr
ORCID iD: 0000-0002-4381-0850
Amber Pond: apond@siu.edu
ORCID iD: 0000-0002-2836-889x

Marco Quadrelli: marco.quadrelli@synlab.it
ORCID iD: 0000-0002-3811-7859
Riccardo Rosati: riccardo@riccardorosati.eu
ORCID iD: 0000-0001-6149-0427
Piero Sestili: piero.sestili@uniurb.it
ORCID iD: 0000-0001-9412-1660
Piera Smeriglio: p.smeriglio@institut-myologie.org
ORCID iD: 0000-0002-3430-6839H.
Lee Sweeney: lsweeney@ufl.edu
ORCID iD: 0000-0002-6290-8853
Daniela Tavian: daniela.tavian@unicatt.it
ORCID iD: 0000-0003-3333-0068
Gerd Fabian Volk: fabian.volk@med.uni-jena.de
ORCID iD: 0000-0003-1245-6331

References

1. Lauretani F, Russo CR, Bandinelli S, Bartali B, Cavazzini C, Di Iorio A, Corsi AM, Rantanen T, Guralnik JM, Ferrucci L. Age-associated changes in skeletal muscles and their effect on mobility: an operational diagnosis of sarcopenia. *J Appl Physiol* (1985). 2003 Nov;95(5):1851-60. doi: 10.1152/jappphysiol.00246.2003. PMID:14555665.
2. Angulo J, El Assar M, Álvarez-Bustos A, Rodríguez-Mañas L. Physical activity and exercise: Strategies to manage frailty. *Redox Biol*. 2020 Aug;35:101513. doi: 10.1016/j.redox.2020.101513. Epub 2020 Mar 20. PMID: 32234291; PMCID: PMC7284931.
3. Kojima G, Liljas AEM, Iliffe S. Frailty syndrome: implications and challenges for health care policy. *Risk Manag Healthc Policy*. 2019 Feb 14;12:23-30. doi: 10.2147/RMHP.S168750. PMID: 30858741; PMCID: PMC6385767.
4. Masiero S, Carraro U. (eds) *Rehabilitation Medicine for Elderly Patients. Practical Issues in Geriatrics*. Springer International Publishing AG, part of Springer Nature. doi: 10.1007/978-3-319-57406-6_40.
5. Papadopoulou SK. Sarcopenia: A Contemporary Health Problem among Older Adult Populations. *Nutrients*. 2020 May 1;12(5):1293. doi: 10.3390/nu12051293. PMID: 32370051; PMCID: PMC7282252..
6. Morley JE. Frailty and sarcopenia in elderly. *Wien Klin Wochenschr*. 2016 Dec;128(Suppl 7):439-445. doi: 10.1007/s00508-016-1087-5. Epub 2016 Sep 26. PMID: 27670855.
7. Ravara B, Giuriati W, Maccarone MC, Kern H, Masiero S, Carraro U. Optimized progression of Full-Body In-Bed Gym workout: an educational case report. *Eur J Transl Myol*. 2023 Jun 23;33(2):11525. doi: 10.4081/ejtm.2023.11525. PMID: 37358234; PMCID: PMC10388607.
8. Zampieri S, Bersch I, Smeriglio P, Barbieri E, Boncompagni S, Maccarone MC, Carraro U. Program with last minute abstracts of the Padua Days on Muscle and Mobility Medicine, 27 February - 2

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

- March, 2024 (2024Pdm3). Eur J Transl Myol. 2024 Feb 2. doi: 10.4081/ejtm.2024.12346. Epub ahead of print. PMID: 38305708.
9. Zampieri S, Narici MV, Gargiulo P, Carraro U. Abstracts of the 2023 Padua Days of Muscle and Mobility Medicine (2023Pdm3) to be held March 29 - April 1 at the Galileian Academy of Padua and at the Petrarca Hotel, Thermae of Euganean Hills, Padua, Italy. Eur J Transl Myol. 2023 Feb 10;33(1):11247. doi: 10.4081/ejtm.2023.11247. Epub ahead of print. PMID: 36786151; PMCID: PMC10141763.
 10. Sweeney HL, Masiero S, Carraro U. The 2022 On-site Padua Days on Muscle and Mobility Medicine hosts the University of Florida Institute of Myology and the Wellstone Center, March 30 - April 3, 2022 at the University of Padua and Thermae of Euganean Hills, Padua, Italy: The collection of abstracts. Eur J Transl Myol. 2022 Mar 10;32(1):10440. doi: 10.4081/ejtm.2022.10440. PMID: 35272451; PMCID: PMC8992680.
 11. Carraro U, Yablonka-Reuveni Z. Translational research on Myology and Mobility Medicine: 2021 semi-virtual PDM3 from Thermae of Euganean Hills, May 26 - 29, 2021. Eur J Transl Myol. 2021 Mar 18;31(1):9743. doi: 10.4081/ejtm.2021.9743. PMID: 33733717; PMCID: PMC8056169.
 12. Carraro U. 30 Years of Translational Mobility Medicine: 2020 Padua Muscle Days go virtual from Euganean Hills, November 19th to 21st. Eur J Transl Myol. 2020 Nov 17;30(4):9437. doi: 10.4081/ejtm.2020.9437. PMID: 33520146; PMCID: PMC7844408
 13. Carraro U. Collection of the Abstracts of the 2019Sp PMD: Translational Myology and Mobility Medicine. Eur J Transl Myol. 2019 Mar 11;29(1):8155. doi: 10.4081/ejtm.2019.8155. PMID: 31019666; PMCID: PMC6460219.
 14. Carraro U. Exciting perspectives for Translational Myology in the Abstracts of the 2018Spring PaduaMuscleDays: Giovanni Salviati Memorial - Chapter I - Foreword. Eur J Transl Myol. 2018 Feb 20;28(1):7363. doi: 10.4081/ejtm.2018.7363. PMID: 29686822; PMCID: PMC5895991.
 15. Carraro U. 2017Spring PaduaMuscleDays, roots and byproducts. Eur J Transl Myol. 2017 Jun 27;27(2):6810. doi: 10.4081/ejtm.2017.6810. PMID: 28713538; PMCID: PMC5505085.

Disclaimer

All claims expressed in this article are solely those of the authors and do not necessarily represent those of their affiliated organizations, or those of the publisher, the editors and the reviewers. Any product that may be evaluated in this article or claim that may be made by its manufacturer is not guaranteed or endorsed by the publisher.

Submitted: 27 November 2024

Accepted: 27 November 2024

Early access: 12 December 2024

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

CIR-MYOLOGY
UNIVERSITY OF
PADUA, ITALY



MED^oEL

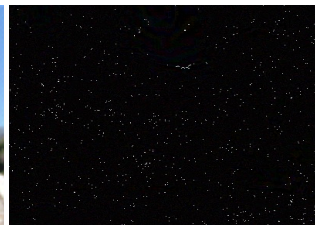
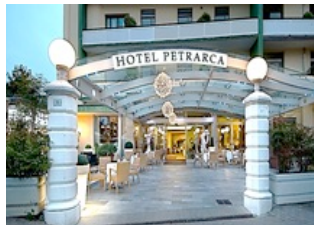


Italian Easy Aging and
A&C Mioni-Carraro
Foundation for
Translational Myology

2025(Pdm3) Padua Days on Muscle and Mobility Medicine

March 25 to March 29, 2025 - Euganean Thermae, Padua (Italy)

Hotel Petrarca, Piazza Roma 23, Montegrotto Terme, (Padua), 35122 Italy



Organizers: Stephen Anton, Elena Barbieri, Bert Blaauw, Ines Bersch, Ugo Carraro, Dario Coletti, Paolo Gargiulo, Elena P. Ivanova, Christiaan Leeuwenburgh, Maria Chiara Maccarone, Stefano Masiero, Marco V. Narici, Antonio Paoli, Philippe Perrin, Marco Quadrelli, Riccardo Rosati, Piera Smeriglio, H. Lee Sweeney, Gerd Fabian Volk, Sandra Zampieri

REGISTRATION FEES: € 300 - **One-Day REGISTRATION FEES:** € 150 - **On-Line REGISTRATION FEES:** € 100 - **Young Attendees:** Exempt

Send Registration and Accommodation Forms to: ugo.carraro@unipd.it and petrarca@hotelpetrarca.it

Send Payments to: petrarca@hotelpetrarca.it

TUESDAY March 25, 2025

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

- 09:00 am Opening: Antonio Paoli, Greetings from the Padova University
- 09:10 am Lecture of Stanley Salmons, University of Liverpool UK: Paradigm shift - Tales of the unexpected
- 09:50 am **Session I: FES for atrophying and reinnervating muscles Ines Bersch, Gerd Volk, Chairs**
- 09:50 am Electrical stimulation technology, a versatile and effective tool for support of restoring and maintaining neuromuscular integrity (20min), Winfried Mayr, Vienna Austria
- 10:10 am Ultra Sound evidence of deceleration of denervated facial muscles atrophy through functional electrical stimulation (20min): Gerd Fabian Volk, et al., Jena, Germany
- 10:30 am The effects of pedaling exercise with superimposed adaptive functional electrical stimulation (AFESK) on the physiological and perceptual responses to exercise and performance in healthy humans: a training study (20min), Andrea Bosio et al., MAPEI Mapei Sport Research Centre, Olgiate Olona, VA, Italy
- 10:50 am Open Coffee

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

TUESDAY March 25, 2025

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

- 10:50 am **Session II: FES for permanent denervated muscles, Ashraf Gorgey, Hemut Kern, Chairs**
- 10:50 am **Tissue Composition Changes in Long-Term Denervated Muscles - Beneficial Effects of Long-Pulse Electrical Stimulation (20min): Ines Bersch-Porada et al., Notwill FES Center, Switzerland**
- 11:10 am **To Be Announced (20min): Ashraf Gorgey, USA**
- 11:30 am **Twenty years of functional electrical stimulation (FES) for denervated and degenerated human muscles (DDM): ultrasound evidence of muscle contraction after long-term discontinuation of FES x DDM, (10min): Daniele Coraci et al., Rehabilitation Unit of the Department of Neuroscience, University Padua General Hospital, Italy**
- 11:40 am **To Be Announced (10min): Giovanni Pegoraro, Bergamo, Italy**

TUESDAY March 25, 2025

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

- 11.50 am **Session III: MED-EL Workshop on Electromedicals**
- 11.50 am **Introductory words to the MED-EL Workshop on new Electrical Stimulation Solutions, (10min) MED-EL Speakers to be announced**
- 12.00 am **FES in Tetraplegia (20min) Ines Bersch, Notwill FES Center, Switzerland**
- 12:20 am **Selective surface stimulation therapy for facial nerve paralysis (20min) Gerd Fabian Volk, Department of Otorhinolaryngology, Jena University Hospital, Jena, Germany**
- 12:40 am **To Be Announced, (20min) Leonardo Boccuni, Scientific Institute, IRCCS E. Medea, Conegliano, Italy**
- 01:00 pm **MED-EL Working-Lunch in the Conference Hall Paradise**

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

TUESDAY March 25, 2025

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

- 02:30 pm** *Session IV: Exercise and fasting in prevention and managements of mobility and metabolic disorders, Stephen Anton, Maria Chiara Maccarone, Chairs*
- 02:30 pm** Disentangling the Effects of Time Restricted Eating, Calorie Restriction and Exercise on Metabolic Health (30min), Stephen Anton, College of Medicine, University of Florida, Gainesville, FL USA
- 03:00 pm** Fasting, exercise and skeletal muscle (30min), Antonio Paoli, Department of Biomedical Sciences, University of Padova, Italy
- 03:30 pm** Full-Body In-Bed Gym advancements for elderly subjects (30min), Maria Chiara Maccarone et al., Department of Neuroscience, Rehabilitation Unit, Padua University, Italy
- 04:00 pm** Open Coffee
- 04:15 pm** *Session V: Maintaining compliance in rehabilitation, Richard L. Lieber, Ugo Carraro, Chairs*
- 04:15 pm** Specific Tension of Human Muscle - Direct and Indirect Approaches (30min), Richard L. Lieber, Northwestern University, Chicago, IL, USA
- 04:45 pm** Muscle-muscle cross-talk during unilateral electrical/mechanical stimulation (30min), Lars Larson, Center for Molecular Medicine, Karolinska Institute, Stockholm, Sweden
- 05:15** Mechanisms of action of hyperbaric oxygen therapy (30min), Gerardo Bosco, University of Padua, Italy
- 05:45 pm** Hyperoxia after exercise-to-exhaustion in the mitigation of age-related muscle decay (15min), Ugo Carraro, University of Padua, Italy
- 06:00 pm** Lecture of Jan Fridén, University of Gothenburg, Gothenburg, Sweden: Restoring upper extremity motor function in tetraplegia using muscle and nerve transfers
- 06:40 pm** A glass of Prosecco before dinner in the Conference Hall Paradise
- 07:30 pm** Dinner

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

WEDNESDAY March 26, 2025 Villa Pollini, Luvigliano, Euganean Hills (Padua) Italy

08:30 AM Complimentary Bus from Hotel Petrarca to Villa Pollini, Luvigliano di Torreglia (Padua) Italy

09:00 am *Session VI: Pathogenesis, regeneration and therapy in sarcomeric muscle diseases, H Lee Sweeney, Daniela Tavian, Chairs*

09:00 am Lecture of H. Lee Sweeney, University of Florida, Gainesville, FL, USA, New insights leading to improved designs of micro-dystrophins for use in AAV vectors.

09:40 am Proteomic profiling of the dystrophin complexome in skeletal muscle(20min), Kay Ohlendieck, Maynooth University, National University of Ireland

10:00 am Lipotoxicity and lipophagy in NLSDM: mechanisms and treatments (20min) Sara Missaglia, Daniela Tavian, Catholic University of the Sacred Heart, Milan, Italy

10:20 am Pharmacological Treatment through HiPSC-based Drug Repurposing for ultrarare congenital myopathies (20min), Edoardo Malfatti, Paris Est University, Creteil, France

10:40 am Remodeling of neuromuscular junction in dystrophic sarcomeric muscles, (20min) Gabriele Siciliano, University of Pisa, Italy

11:00 am Open Coffee

11:00 am Multifactorial Systemic factors affecting spinal muscular atrophy patients' health (20min), Piera Smeriglio, Sorbonne Université, INSERM, Myology Institute, Paris, France

11:20 am Reversion of RNA toxicity and muscle dysfunction in Myotonic Dystrophy (20min), Denis Furling, Sorbonne Université, INSERM, Myology Institute, Paris, France

11:40 am Effects of age and sex in human muscle secretome (20min), Barbara Crisol, et al., Sorbonne Université, INSERM, Myology Institute, Paris, France

12:00 am Transcriptomic characterization of Type II SMA muscle to understand the variability in phenotypes and treatment response (20min), Fiorella Grandi, Sorbonne Université, INSERM, Myology Institute, Paris, France

12:20 am Cell specific loss of MBNL: implication for Myotonic Dystrophy skeletal muscle homeostasis (20min), Frédérique Rau, Sorbonne Université, INSERM, Myology Institute, Paris, France

12:40 pm Standing Working Lunch

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

WEDNESDAY March 26, 2025 Villa Pollini, Luvigliano, Euganean Hills (Padua) Italy

02:00 pm *Session VII: Skeletal muscle adaptations to exercise and disuse*, David Hood, Anna Picca, Christiaan Leeuwenburgh, Chairs

02:00 pm Introductory words (5min by Zoom) Christiaan Leeuwenburgh, Florida University, USA

02:05 pm Role of the lysosome in maintaining muscle health across the lifespan (25min), David Hood, Toronto, Canada

02:30 pm The role of AMPK in the neuromuscular system (25min), Vladimir Ljubicic (Hamilton, Canada)

02:55 pm The importance of Ca²⁺ signalling in skeletal muscle adaptations to exercise (25min), Nicolas Place (Lausanne, Switzerland)

03:20 pm Molecular mechanisms of muscle adaptations: role of PGC-1 α (25min), Christoph Handschin (Basel, Switzerland)

03:45 pm Mitochondria-derived vesicles in physical frailty and sarcopenia, (25min), Anna Picca, Department of Medicine and Surgery, LUM University, Italy

04:10 pm Open Coffee

04:20 pm *Session VIII: Managements of cancer cachexia*, Sandra Zampieri, Dario Coletti, Chairs

04:20 pm Effects of exercise and chemotherapy in cancer cachexia (20min), James Carson, Memphis, McMaster University, Tennessee, USA

04:40 pm Silencing tumor-muscle crosstalk (25min), Marilia Seelander, University of Sao Paulo, Brazil

05:00 pm To Be Announced (20min), Andrew Judge, Gainesville University, FL, USA

05:20 pm TO BE ANNOUNCED (25min), Guglielmo Sorci, University of Perugia, Italy

05:40 pm Alterations in the gait of tumor bearing mice suggest alterations in the nervous system underlying cachexia (25min), Dario Coletti, Sapienza University, Rome, Italy

06:00 pm Impact of sarcopenic myosteatosi on patients with esophagogastric cancer (25min), Elisa Sefora Pierobon, DiSCOG, University of Padua, Italy

06:20 pm Lecture of Massimo Ganassi, Involvement of Satellite cells in the pathogenesis of Neuromuscular disorders, (40 min), Randall Centre for Cell and Molecular Biophysics, King's College London, London, UK

07:00 pm Conclusive Remarks (20 min), Gillian Butler-Browne, Sorbonne Université, INSERM, Myology Institute, Paris, France

07:30 pm Complimentary Bus from Villa Pollini, Luvigliano to Hotel Petrarca, Montegrotto Terme

08:00 pm Dinner

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

THURSDAY March 27, 2025

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

09:00 am **Session IX: Neuromuscular plasticity to disuse and ageing, Elena Monti, Marco Narici, Chairs**

09:00 am Morphological and Functional Instability of the NMJ with Chronic Inactivity in Humans (25min), Marco Narici, Department of Biomedical Sciences, University of Padova, Italy

09:25 am Skeletal Muscle Metabolic Adaptations to two weeks of Step Reduction and Active Recovery in Humans (25min), Roberto Bottinelli, Pavia University, Italy

09.50 am Human Motor Unit Remodelling with Chronic Inactivity (20+5min slides+discus), Giuseppe De Vito, Department of Biomedical Sciences, University of Padova, Italy

10:15 am Oxidative Metabolism and Mitochondrial Function: Adaptations to Disuse in Humans (25min), Bruno Grassi, University of Udine, Italy

10:40 am Coffee break

11.00am Circulating Factors Associated with Extremes of Physical Function in Octogenarians (25min), Russell Hepple, Physical Therapy and Muscle Biology, University of Florida, USA

11.25 am Muscle Gene Expression and Physiological Adaptations to Overloading Following Disuse in Humans (25min), Martino Franchi, Department of Biomedical Sciences, Padova University, Italy

11:50 am A transcriptomic and spatial proteomic atlas of human aging and sarcopenia (25min), Elena Monti, Department of Microbiology and Immunology, Stanford University (CA), USA

12:15 am Muscle Mass Preservation in Hibernating Bears (25min), Bert Blaauw, Department of Biomedical Sciences, University of Padova, Italy

12:45.am Lunch

02:00 pm **Session X_a: Exercise and exer kines, Bert Blaauw, Daniela Tavian, Chairs**

02:00 pm Adaptations of the Extracellular Matrix to Overloading in Children with Cerebral Palsy (20+5min), Richard Lieber, Northwestern University, Chicago, IL, USA

02:25 pm Modulation of Metabolism in Resting Skeletal Muscle (25min), Leonardo Nogara, Department of Biomedical Sciences, University of Padova, Italy

02:50 pm Over-Expression of the ERG1A Potassium Channel in C2C12 Myotubes Modulates Sodium Current Amplitude, but not Nav1.4 Gene Expression (25min), Amber L. Pond, Anatomy, Southern Illinois University School of Medicine, Carbondale, IL., USA

03.15 pm Nerve Activity Inhibits mTORC1-dependent Protein Synthesis in Skeletal Muscle (25min), Bert Blaaw, et al. Department of Biomedical Sciences, University of Padova, Italy

03:40 pm Extracellular matrix alteration and force transmission in older humans: A finite element analysis (20+5min), Lorenzo Marcucci, Department of Biomedical Sciences, University of Padova, Italy

04:05 pm Coffee break

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

THURSDAY March 27, 2025

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

04:20 pm *Session X_b: Exercise and exer kines, Daniela Tavian, Bert Blaauw, Chairs*

04:20 pm Plasma and Salivary Irisin Response to Resistance Training: A Comparative Study, (20min) Luigi Marano et al., University Cattolica-Milan, Italy

04:40 pm Effects of superimposed electromyostimulation during cycling on serum irisin levels (20min), Ester Tommasini et al., Università Cattolica, Milan, Italy

05:00 pm Association of high molecular weight Adiponectin oligomers with exercise metrics post acute exercise (20min), Aurora Daniele et al., Naples University, Italy

05:20 pm The effects of pedaling exercise with superimposed adaptive functional electrical stimulation (AFESK) on the physiological and perceptual responses to exercise and performance in healthy humans: a training study (20min), Andrea Bosio et al., MAPEI Sport, Olgiate Olona, Varese, Italy

05:40 pm Improved Irisin and Mental Well-being in Breast Cancer Survivors Following 8 Weeks of Aerobic Exercise, (20min), Denise Vagnini et al., Università Cattolica-Milan, Italy

06:00 pm To Be Announced, (20min)

06:20 pm To Be Announced, (20min)

06:40 pm Conclusive Remarks (20 min), Giorgio Fanò-Illic, IIM, Libera Università di Alcatraz, Italy

07:30 pm Dinner

FRIDAY March 28, 2025

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

09:00 am *Session XI Hyaluronans, glycosylated proteins and fibrosis in mobility disorders, Elena Barbieri, Giovanni Abatangelo, Chairs*

09:00 am Hyaluronans and Glycosylated Proteins in Mobility Medicine Elena Barbieri (30min), University of Urbino, Italy

09:30 am To Be Announced (30min), Carla Stecco, Human Anatomy Section, DNS, Padua University, Italy

10:00 am Intra-articular injections with Carboxymethyl-Chitosan in patients affected by knee osteoarthritis nonresponders to hyaluronic acid: a pilot study (30min), Nicola Manocchio et al., Physical and Rehabilitation Medicine, Clinical Sciences and Translational Medicine Department, University of Rome Tor Vergata, Italy

10:30 am Hyaluronic acid-extracellular vesicles interactions in osteoarthritis Piero Sestili (30min), University of Urbino, Italy

11:00 am Coffee break

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

FRIDAY March 28, 2025

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

- 11.15 am **SESSION XII: Digital health and muscle imaging for mobility medicine**
Paolo Gargiulo, Daniele Coraci, Chairs
- 10.45 am 3D and virtual reality techniques for planning, training and education of complex anatomical disorders, (30min), Paolo Gargiulo,
- 11.15 am Cohort studies using 3D-CT are needed to assess whether "home Gym-Bed" exercises are beneficial against sarcopenia, (30min), Daniele Coraci,
- 11:45 am Quantitative 3D-CT imaging of sarcopenia mitigation in the elderly, (30min), Marco Quadrelli, et al., Synlab Euganea Medica Padova & Neaple, Italy
- 11:45 am Innovative approaches in Adolescent Idiopathic Scoliosis: from neurophysiology to Artificial Intelligence, Maria Chiara Maccarone et al., (30min), Department of Neuroscience, Rehabilitation Unit, Padua University, Italy
- 12:45 pm Lunch
- 02:00 pm **SESSION XIII: Hydrotherapies in mobility disorders, Philippe Perrin, Stefano Masiero, Chairs**
- 02:00 pm Meteorological, chronobiological and thermal factors impacting postural control in knee osteoarthritis (40min), Philippe Perrin, et al., University of Lorraine, Nancy, France
- 02:40 pm Hydrothermal approaches for Eustachian tube and tympanic muscle disorders, (30min) Alessandro Martini, University of Padua, Italy.
- 03:10 pm "AQTOX Study": a single blind controlled pilot study on aquatic therapy after spasticity treatment with botulinum toxin injection (20min), Andrea Marcante, UOC Functional Recovery and Rehabilitation Unit, ULSS8 Berica, Lonigo (Vicenza), Italy
- 03:50 pm New Instruments of Quality for the Management of TCI Medicine Centers (20min), Giovanni Gurnari, Benaquam s.r.l. Rep. San Marino, Italy
- 04:10 pm To Be Announced (20min), Paulo Gentil, Faculdade de Educação Física e Dança, Universidade Federal de Goiás, Goiania, Brazil
- 04:30 pm Method of pelvic symmetry recovery in musculoskeletal disorders (20min), Kirill V. Terentev, et al., National Medical and Surgical Center named after N.I. Pirogov, Moscow, Russia
- 04:50 pm Open Coffee

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

FRIDAY March 28, 2025

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

- 05:00 pm** *SESSION XIV: Rehabilitation approaches in mobility disorders, Ugo Carraro, Stefano Masiero, Chairs*
- 05:00 pm** Rehabilitation approach to recover post-stroke diaphragm dysfunction (20 min), Elena Yu. Starkova, et al., Moscow, Russia
- 05:20 pm** Repetitive Peripheral Magnetic Stimulation to recover balance function in hemiparetic patients (20 min), Tatyana Chernyavskaya, et al. Moscow, Russia
- 05:40 pm** Taopatch nanotechnology integrated into hearing aids, improves the parameters of the balance in hearing-impaired subjects (20 min), Andrea Fabris, Giuseppe Messina, et al., Department of Human Sciences and Promotion of the Quality of Life, San Raffaele University, Rome, Italy; and PLab Research Institute, Palermo, Italy
- 06:00 pm** Case study: Integrated posturalspine and brace two-years treatment of pre-menarche scoliosis (20 min), Alfredo D'Amanti, Giuseppe Messina, et al., Department of Human Sciences and Promotion of the Quality of Life, San Raffaele University, Rome, Italy; and PLab Research Institute, Palermo, Italy
- 06.20 pm** Nanotechnology and athletic performance: Taopatch and athletic excellence (20 min), Andrea Pagliaro, Patrizia Proia, Giuseppe Messina, et al., Department of Human Sciences and Promotion of the Quality of Life, San Raffaele University, Rome, Italy; and PLab Research Institute, Palermo, Italy
- 06.40 pm** Conclusive Remarks, Stefano Masiero, University of Padova, Italy
- 07:30 pm** Dinner

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

FRIDAY MARCH 28, 2025

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

09:00 am ***SESSION XV: Masterclass on Muscle Rehabilitation in Dentistry***
Claudia Dellavia, Elena P. Ivanova, Chairs

09:00 am Welcome and thanks, Riccardo Rosati, Milan, Italy

09:20 am Innovative methods for the diagnosis and treatment of craniomandibular disorders, Elena P. Ivanova, Moscow, Russia; Frank Saxler, Cologne, Germany

09:40 am Bruxism and oral mucosa: new relationships to investigate? Mariana Dimova-Gabrovski, University of Sofia, Bulgaria

10:00 am New perspectives in the myofascial pain treatment. Francesca Lenci, University of Naples Federico II, Naples, Italy

10:20 am Morpho-functional safety of the stomatognathic system during sports performance: indications of the Italian Society of Sports Dentistry. Alessandro Beraldi, Milan, Italy

10:40 am The masticatory muscles sEMG reliability in TMD patients; preliminary results. Paola Tessera, University of Pavia, Italy

11:00 am Coffee break

11:20 am US Imaging of masseter-parotid district. Dolaji Heinin, University of Milan, Italy

11:40 am sEMG in patients with parotitis induced by masseter muscle hypertrophy, Massimiliano Vella. University of Milan, Italy

12:00 am Lectio magistralis: Differential diagnosis of salivary gland and surrounding muscle disorders: a handbook for dentists, Pasquale Capaccio, University of Milan, Italy

12:50 am Discussion

01:00 pm Working Lunch

02:30 pm ***SESSION XVI: Masterclass on Muscle Rehabilitation in Dentistry*** Roberto Rongo, Riccardo Rosati, Chairs

02:30 pm Functional Anatomy Research Center (FARC) history and results. Claudia Dellavia, University of Milan, Italy

03:00 pm Maintenance and restoration of masticatory muscle function in everyday dentistry, Piero Simeone, Rome, Italy

05:00 Functional and non-functional parafunctions: what role in TMDs? Rosaria Bucci and Roberto Rongo, University of Naples Federico II, Naples, Italy.

06:00 pm Performing a reliable electromyographic examination of the masticatory muscles: technical and clinical tips. Riccardo Rosati, University of Milan, Milan, Italy

06:30 pm Conclusive Remarks and Greetings, Riccardo Rosati, Milan, Italy

07:30 pm Dinner

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

SATURDAY MARCH 29, 2025

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

09:00 am **SESSION XVIII: Ludwig Boltzmann Institute Workshop on Rehabilitation,**
Vincent Grote, Helmut Kern, Chairs

09:00 am The impact of exercise and nutrition therapy on measures for sarcopenia in patients with rheumatoid arthritis: A systematic review, (20min) Barbara Strasser et al., Ludwig Boltzmann Institute for Rehabilitation Research, Vienna, Austria

09:20 am Performance score T2D – a new way to look at rehabilitation outcomes of post COVID patients. Vincent Grote, et al, (20min), Ludwig Boltzmann Institute for Rehabilitation Research, Vienna, Austria

09:40 am Which factors influence the success of rehabilitation? - A mixed-methods study on patients and healthcare professionals, (20min) Vincent Grote et al., Ludwig Boltzmann Institute for Rehabilitation Research, Vienna, Austria

10:00 am Effectiveness of a digital intervention to promote physical activity after oncological rehabilitation in breast cancer patients: a protocol for a randomized controlled trial, (20min) Spela Matko et al., Ludwig Boltzmann Institute for Rehabilitation Research, Vienna, Austria

10:40 am Coffee break

10:45 am **SESSION XIX-ZOOM SESSION: Therapies in mobility disorders, Igor Reverchuk, Ugo Carraro, Chairs**

10:45 am Prognosis of movement disorders in the early recovery period of ischemic stroke on the background of anticoagulant therapy (15 min by ZOOM) Georgy Avakyan, Minh Duc Tranas, Albina N. Yasamanova, Neurology, Neurosurgery and Medical Genetics, Faculty of General Medicine, Pirogov Russian National Research Medical University, Moscow, Russia

11:00 am The effectiveness and safety of using therapeutic mud and mineral water from the Kaliningrad region of the Baltic region in neurorehabilitation (15min by ZOOM), Igor Reverchuk, BioInstitute for Somatomental Health, Samarkand State Medical University of the Republic of Uzbekistan.

11:15 am Psychoneurophysiological and neurophenomenological mechanisms of sanogenesis of the new science of "kinetics" in neurorehabilitation of borderline mental and movement disorders (15min by ZOOM), Igor Reverchuk, BioInstitute for Somatomental Health, Samarkand State Medical University of the Republic of Uzbekistan

11:30 am The Effect of Calcium and Vitamin D3 on Calcium Homeostasis and Falls Incidence in Patients with Osteoporosis Undergoing Medical Rehabilitation (10+5min by ZOOM), Larisa Marchenkova, Anatoliy Fesyun, National Medical Research Center for Rehabilitation and Balneology, Moscow, Russia

11:45 am Effectiveness of the Pelvic Floor Muscles Electrotherapy and Magnetic Stimulation in Preconception Programs for Women of Reproductive Age, Natalia Kotenko, Anatoliy Fesyun (15min+ by ZOOM), National Medical Research Center for Rehabilitation and Balneology, Moscow, Russia

12:00 am Effectiveness of a Rehabilitation Programme for Patients with Post-Thrombotic Syndrome including Robotic Biofeedback Training of the Calf Muscle Venous Pump (15min by ZOOM), Tatyana Apkhanova, Tatiana Konchugova, Detelina Kulchitskaya, Anatoliy Fesyun, National Medical Research Center for Rehabilitation and Balneology, Moscow, Russia

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

12:30 pm Lunch

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

SATURDAY MARCH 29, 2025

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

- 09:00 pm **SESSION XVII: Masterclass on musculoskeletal diagnostics of the shoulder and knee using cutting-edge imaging techniques, Paolo Gargiulo, Marco Quadrelli, Chairs**
- 09:00 am **Lecture of Paolo Gargiulo, University of Reykyavik, Iceland: Digital health and muscle imaging for mobility medicine**
- 09:40 am **Innovative Approaches to Shoulder MSK Disorders: From Symptomatology to Advanced Imaging and Diagnosis, Marco Quadrelli, SynLab, Euganea Medica Padua, Italy**
- 10:20 am **Mastering Shoulder Diagnostics: An Interdisciplinary Journey from Clinical Assessment to Advanced Imaging, Aldo Morra, SynLab, Euganea Medica, Padua & SynLab, Naples, Italy**
- 11:00 am Open Coffee
- 11:00 am **Comprehensive MSK Imaging: Integrating Clinical Radiological, and Post-Processing Expertise in Shoulder Diagnostics, Simone Perandini, Radi.cloud, Verona, Italy**
- 11:40 am **Lecture of Ugo Carraro, University of Padova, Italy: How to rejuvenate at 80's**
- 12:30.am Working Lunch
- 02:00 pm **Lecture of Helmut Kern, LBI Rehabilitation Research, Vienna, Austria: Prehabilitation and best practices from acute therapy and early outpatient underwater therapy after knee replacement**
- 02:40 pm **Beyond the Symptoms: A Multifaceted Approach to Knee Imaging - From Clinical Evaluation to Advanced Post-Processing, To Be Announced**
- 03:20 pm **Innovative Perspectives in Knee Diagnostics: Bridging Clinical Symptoms and Cutting-Edge Imaging Techniques, To Be Announced**
- 04:00 pm Open Coffee
- 04:00 pm **The Synergy of Expertise: Exploring Advanced Knee Diagnostics Through Clinical, Radiological and Technological Lenses, To Be Announced**
- 04:40 pm **General Discussion**
- 06:00 pm **Conclusive Remarks, Aldo Morra, SynLab, Euganea Medica, Padua & SynLab, Naple, Italy**
- 06:40 pm Ugo Carraro: Goodbye to the 2026Pdm3, Euganean Thermae (Padua), Italy**
- 07:30 pm Dinner

2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

SPONSORS



MYOLOGY
Institute
UNIVERSITY of FLORIDA

MED^oEL

MED-EL Medical Electronics, a leader in auditory implants and functional electrical stimulation solutions. Fuerstenweg 77a, 6020 Innsbruck, Austria

**Hotel Petrarca, Pastorello Family - Montegrotto Terme
(Padova), Italy**



A&C M-C Foundation for Translational Myology, Padua, Italy

**EUROPEAN
JOURNAL OF
TRANSLATIONAL
MYOLOGY**

IMPACT
FACTOR
1.8

CIT SCORE
13

Ejtm₃

MYOLOGY and MOBILITY MEDICINE

pagepress

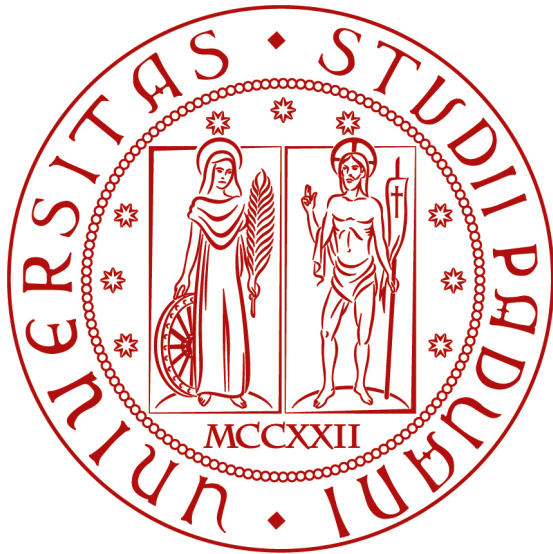
SYNLAB



2025Pdm3 A call for Mobility Medicine

Eur J Transl Myol 34 (4) 13432. doi: 10.4081/ejtm.2024.13432

PATRONS



**UNIVERSITÀ
DEGLI STUDI
DI PADOVA**

***INTERDEPARTMENTAL RESEARCH CENTER OF
MYOLOGY (CIR-MYO)***



DEPARTMENT of BIOLOGY (DB)

DEPARTMENT OF BIOMEDICAL SCIENCES (DSB)

DEPARTMENT OF NEUROSCIENCE (DNS)

***DEPARTMENT OF SURGERY, ONCOLOGY,
GASTROENTEROLOGY (DiSCOG)***

OF THE UNIVERSITY OF PADUA, ITALY