Andrea Monte

Curriculum Vitae

PERSONAL DETAILS

Assistant professor

University of Verona, Department of Neurosciences, Biomedicine and Movement Sciences, Verona, Italy

E-mail **andrea.monte@univr.it**

EDUCATION

2016- 2019 **Ph.D. in Biomechanics (Doctor Europaeus recognition)**
Department of Neuroscience, Biomedicine and Movement Science; University of Verona (VR), Italy

2014-2016 **MSc. in Sports Science and Physical Performance. Top Grade**
Department of Neuroscience, Biomedicine and Movement Science; University of Verona (VR), Italy

2011-2014 **BSc. in Sports and Exercise Sciences. Top Grade**
Department of Neuroscience, Biomedicine and Movement Science; University of Verona (VR), Italy

MAJOR RESEARCH EXPERIENCES

2022- to date **Assistant Professor (Supported by the European Council: PON 240/2010-DM 1062/2021)**
Duration: 3 years

2021- 2022 **Postdoctoral researcher, University of Ostrava (Ostrava, CK):**
Duration: 1 year
Project: Magnetic resonance imaging and biomechanics of musculoskeletal structures in research of human movement

2019- 2021 **Postdoctoral research fellow, University of Verona (Verona, IT):**
Duration: 2 years
Project: The role of muscle and tendon behaviour in determining the physiological and mechanical responses during human movements.

2019 **Visiting researcher, Liverpool John Moores University (Liverpool; UK):**
Duration: 6 months
Project: Gastrocnemius medialis and vastus lateralis *in vivo* muscle-tendon behaviour during running at increasing speed

ACCADEMIC ROLE

2020– present **Member of the ERASMUS and internationalisation board.**
University of Verona, Department of Neuroscience, Biomedicine and Movement Sciences; Faculty of Sport Sciences.

2020– present **Member of the faculty council.**
University of Verona, Department of Neuroscience, Biomedicine and Movement Sciences; Faculty of Sport Sciences.

2014 – 2016 **Student president: member of the faculty and department council.**
University of Verona, Department of Neuroscience, Biomedicine and Movement Sciences; Faculty of Sport Sciences.

REVIEWER and SUPERVISOR

19 international journal, 2 PhD opponent, >20 BA/MA thesis, 2 co-PhD supervisor

EDITORIAL ACTIVITIES AND CHAIR MANAGMENT

1. Reviewer Editor: Experimental Physiology
2. Reviewer Editor: Frontiers in Physiology

1. External reviewer for ASB (American Society of Biomechanics) Virtual congress 2021
2. External reviewer for ASB (American Society of Biomechanics) Calgary 2020

3. Chairman: Muscle/Tendon function: 3 July 2019, 24th ECSS Congress, Prague (Czech Republic).
4. Chairman: Neuromuscular Physiology 31 August 2022, 27th ECSS Congress, Seville (Spain).
5. Chairman: Biomechanics and kinematics 01 September 2022, 27th ECSS Congress, Seville (Spain).
6. Chairman: Neuromuscular Physiology 31 August 2022, 27th ECSS Congress, Seville (Spain).
7. Chairman: Biomechanics and kinematics 01 September 2022, 27th ECSS Congress, Seville (Spain).
8. Chairman: Neuromuscular Physiology 06 July 2023, 28th ECSS Congress, Paris (France).
9. Chairman: Muscle function 06 July 2023, 28th ECSS Congress, Paris (France).

GRANT and PRICE

2021 **YIA ECSS:** finalist at the young investigator award (Oral presentation) of the European College of Sport Sciences
price: 1,000.00 euro

2018 **International Cooperation grant 2018 for the project:** "*The influence of muscle and tendon mechanical behaviour on running mechanics and energetics*".
price: 3,500.00 euro

2017 **Best PhD Study University's Award for the project:** "*Mechanics and energetics of running at steady and non-steady speed (sprint and shuttles): the effects of muscle-tendon behaviour*".
price: 400.00 euro

2016 **CARIVERONA research grant for three years.**
price: 45,000.00 euro

5 SELECTED PUBBLICATIONS

1. **Monte A.,** Magris R., Nardello F., Bombieri F., Zamparo P. (2023) Muscle shape changes in Parkinson's disease impair function during rapid contractions. **Acta Physiol (Oxf).** doi: 10.1111/apha.13957.
2. **Monte A.,** Tecchio P., Nardello F., Zamparo P. (2022) Influence of muscle-belly and tendon gearing on the energy cost of human walking. **Scandinavian Journal of Medicine and Science in Sports** DOI: 10.1111/sms.14142
3. **Monte A.,** Tecchio P., Nardello F., Zamparo P. (2022) Achilles tendon mechanical behavior and ankle joint function at the walk-to-run transition. **Biology** DOI: 10.3390/biology11060912
4. Tecchio P., Zamparo P., Nardello F., **Monte A.** (2022) Achilles tendon mechanical propoerties during walking and running are underestimated when its cruvature is not accounted for. **Journal of Biomechanics** DOI: 10.1016/j.jbiomech.2022.111095
5. **Monte A.,** Tecchio P., Nardello F., Bachero-Mena B., Ardigò L.P., Zamparo P. (2022) The interplay between gastrocnemius medialis force-length and force-velocity potentials, cumulative EMG activity and energy cost at speeds above and below the walk to run transition speed. **Experimental Physiology** DOI: 10.1113/EP090657