

SEMINAR

NEUROMUSCULAR SCIENCES RESEARCH FOR HEALTH AND HUMAN PERFORMANCE

Presentation of Research Studies on Neuromuscular Function Using Advanced Methodologies:
Transcranial Magnetic Stimulation, Evoked Potentials, EMG, Variability of Biological Signals,
Electroencephalography, Dynamometry, Accelerometry, Ultrasonography.

COORDINATION:
PEDRO PEZARAT CORREIA & SANDRO FREITAS



05.07.2023 // 14H00 - 19H00
FACULTY OF HUMAN KINETICS (FMH)

FREE EVENT,
BUT REGISTRATION REQUIRED:



<https://bit.ly/43M4Up1>

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UNIVERSIDADE
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NEUROMUSCULAR
RESEARCH LAB

PROGRAM

- 14h00 – 14h15 Opening | Pedro Pizarat Correia, Sandro R. Freitas
- 14h20 – 15h00 Transcranial Magnetic Stimulation: Research Application and Technical Considerations
| Duane Button
- 15h05 – 15h30 Neural Adaptations to Strength Training: Insights From Neuroscience and Human Movement
Variability – Preliminary Results | João Oliveira
- 15h35 – 16h00 From the Basics to the Application of Hoffman Reflex in Neurophysiological Research:
The Analgesic Effects of Acute Exercise and Long-Term Training Through Metaboreflex
Desensitization | André Gonçalves
- 16h05 – 16h30 Using Eletromyography to Study Neuromuscular Coordination Adaptations to Strength Training
| Paulo Santos
- 16h30 – 17h00 Break
- 17h00 – 17h25 Concurrent Training: Unraveling the Interference Effect on Neuromuscular Adaptations
| Miguel Gomes
- 17h30 – 17h55 Does Exercise That Induces Muscle Damage Also Change the Peripheral Nerves Properties?
| Dorina Lungu
- 18h00 – 18h35 Brain-muscle Connection During Rapid Knee Movements in (Semi)Professional Soccer
Players with vs. No History of Hamstring Injury | José Pedro Correia
- 18h40 Closing

SPEAKERS



ANDRÉ GONÇALVES
Faculty of Human Kinetics, University of Lisbon



DORINA LUNGU
Faculty of Human Kinetics, University of Lisbon



DUANE BUTTON
Professor and Researcher of Memorial University (Canada)



JOÃO OLIVEIRA
Faculty of Human Kinetics, University of Lisbon



JOSÉ PEDRO CORREIA
Faculty of Human Kinetics, University of Lisbon



MIGUEL GOMES
Faculty of Human Kinetics, University of Lisbon



PAULO SANTOS
Faculty of Human Kinetics, University of Lisbon



PEDRO PEZARAT CORREIA
Faculty of Human Kinetics, University of Lisbon



SANDRO FREITAS
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