

PROFESSIONAL SCIENTIFIC CURRICULUM VITAE by Luca Petrigna

Surname: **Petrigna**

Name: **Luca**

Date of birth: [REDACTED]

Place of birth: [REDACTED]

E-mail: **lucapetrigna@gmail.com**

Accademic qualifications

- 2017-2021 University of Palermo
PhD in "Health Promotion and Cognitive Sciences"
- 2013/2015 Univeristy of Torino
Master's Degree in Exercise Education and Adapted Activities Sciences
Vote 110 / 110 with Honors, Menzione alla Carriera e Dignità di Stampa
- 2009/2013 University of Palermo
Bachelor's Degree in Exercise and Sports Sciences
Vote 110 / 110 with Honors

Scientific experiences abroad

- 2019-2020 Lithuanian Sports University, LT
Visiting PhD student (06/11/2019-04/11/2020, 1 year) for a study on "Grooved Pegboard test standard operating procedures". Prof. Pajaujiene
- 2018 Colorado University in Boulder, USA
Visiting PhD student (12/03/2018-31/08/2018, 6 months) for a study on "Motor variability and grooved pegboard test in middle-aged and older adults"; "Effect of transcutaneous electrical nerve stimulation on physical fitness on multiple sclerosis disease". Prof. Enoka
- 2016 Oxford Brookes University, UK
Training as Honorary Research Associate (01/02/2016-31-05-2016, 4 months) for a study on "Potential benefits of Zumba in people with Parkinson's". Prof. Deletrat
- 2012-2013 University of Greenwich, UK
Erasums research project (01/10/2012-19/03/2013, 5 months) on "Critical Power on cyclists". Prof. Karsten

Co-supervisor of the following theses in the Master's Degree courses in Motor Sciences

- 2019-2020 Candidate: Ianoca, "Correlation between cognitive performance and manual dexterity. A pilot study"
- 2019-2020 Candidate: Landro, "A new test for the evaluation of cycling"
- 2019-2020 Candidate: Aurea, "Goalball, evaluation and benefits of motor activity in people with visual impairments. A systematic review of the literature"
- 2020-2021 Candidate: Petta, "Sitting volleyball, evaluation and benefits of motor activity in people with disabilities: a systematic review of the literature"

Referee activities

- 2018-2021 Reviewer for scientific journals:
International Journal of Obesity; Journal of Aging and Physical Activity; European Journal of Translational Myology, Medicine, Frontiers in Physiology, Brain Sciences, and Motor Control

Current Scientific Activity

- 2021 Natural moving Project.
Country: Italy. Prof. Bellafiore
*Monitoring and impact assessment activities. Review of the literature.
The project uses movement as a teaching tool to facilitate cognitive learning and the acquisition of a healthy lifestyle for children.*
- 2020-2021 Functional threshold Power and Critical Power Project.
Country Italy and Germany (European University of Applied Sciences). Prof. Karsten
*Writing the protocol. Follow data collection, data analysis and article writing.
The project is about the field evaluation of the Functional threshold Power and Critical Power in cyclists.*
- 2018-2021 Physical Exercise on circulating levels of BDNF and NT 4/5 Project.
Country Italy and Portugal (University of Coimbra). Prof. Tavares
*Writing the review methodology and manuscript correction.
The project is about the impact of Physical Exercise on circulating levels of BDNF and NT 4/5*
- 2018-2021 Transcutaneous electrical nerve stimulation on physical fitness on multiple sclerosis disease Project.
Country Italy and United States of America (Colorado Univeristy in Boulder). Prof. Enoka
*Follow data collection and article publication
The project is about the effects of transcutaneous electrical nerve stimulation on physical fitness on multiple sclerosis disease*

Speaker at national and international congresses and conferences

- 2021 Poster presentation at the "3rd International Electronic Conference on Environmental Research and Public Health - Public Health Issues in the Context of the COVID-19 Pandemic", Online
-Tabacchi et al. Relationships between mothers' food- and physical activity related habits and level of preschoolers' food literacy and motor skills in disadvantaged urban areas: the training-to-health project
- 2020 Poster presentation at the "European College of Sport Science" (ECSS), Online
-Petrigna et al. Feasibility of a shorter functional threshold power test in cycling: a pilot study
- 2019 Oral presentation at the "XI Congresso della Società Italiana delle Scienze Motorie e Sportive" (SISMES), Bologna. ITA
-Petrigna et al. Dual-task conditions on static postural control in older adults: a systematic review and meta-analysis
- 2018 Oral presentation at the "X Congresso della Società Italiana delle Scienze Motorie e Sportive" (SISMES), Messina. ITA
-Petrigna et al. Systematic review of countermovement and squat jump testing methods in the context of public health examination in adolescence: reliability and feasibility of current testing procedure
- 2015 Poster presentation at the "VII Congresso della Società Italiana delle Scienze Motorie e Sportive" (SISMES), Padova, ITA
-Brustio et al. Postural stabilometric differences during dual and triple-task performances. Effects of age, sedentary condition, long and short term physical exercise

Scientific publications

- Karsten, B, [...], **Petrigna, L**, [...]. Comparison of inter-trial recovery times for the determination of critical power and W^7 in cycling. *Journal of Sports Sciences*. 2016.
<http://dx.doi.org/10.1080/02640414.2016.1215500>
- Bianco A, [...], **Petrigna L**, [...]. Combined effect of different factors on weight status and cardiometabolic risk in Italian adolescents. *Ital J Pediatr*. 2019;45(1):32.
- Hamilton LD, Mazzo MR, **Petrigna L**, Ahmed AA, Enoka RM. Poor estimates of motor variability are associated with longer grooved pegboard times for middle-aged and older adults. *J Neurophysiol*. 2019;121(2):588-601.
- Petrigna L**, et al. The evaluation of dual-task conditions on static postural control in the older adults: a systematic review and meta-analysis protocol. *Syst Rev*. 2019;8(1):188.
- Petrigna L**, et al. A Review of Countermovement and Squat Jump Testing Methods in the Context of Public Health Examination in Adolescence: Reliability and Feasibility of Current Testing Procedures. *Front Physiol*. 2019;10:1384.
- Tabacchi G, [...], **Petrigna L**, [...]. Field-based tests for the assessment of physical fitness in children and adolescents practising sport: a systematic review within the ESA program. *Sustainability*. 2019; 11.
- Petrigna L**, et al. Physical fitness assessment in Goalball: A scoping review of the literature. *Heliyon*. 2020;6(7):e04407.
- Brustio PR, Rainoldi A, **Petrigna L**, [...]. Postural stability during dual- and triple-task conditions: The effect of different levels of physical fitness in older adults. *Sci sports*. 2020
- Thomas E, **Petrigna L**, [...]. Percentile values of the standing broad jump in children and adolescents aged 6-18 years old. *Eur J Transl Myol*. 2020;30(2):9050.
- Petrigna L**, et al. The execution of the Grooved Pegboard test in a Dual-Task situation: A pilot study. *Heliyon*. 2020;6(8):e04678.
- Petrigna L**, et al. Dual-Task Conditions on Static Postural Control in Older Adults: A Systematic Review and Meta-Analysis. *J Aging Phys Act*. 2020:1-16.
- Petrucci M, **Petrigna L**, [...]. Validation in Young Soccer Players of the Modified Version of the Harre Circuit Test: The Petrucci Ability Test. *Montenegrin Journal of Sports Science and Medicine*, 2021. 10 (1), Ahead of Print.
- Karsten B, **Petrigna L**, [...]. Relationship Between the Critical Power Test and a 20-min Functional Threshold Power Test in Cycling. *Front Physiol*, 2020. 11: p. 613151.
- Tabacchi, G, **Petrigna L**, [...]. An Interaction Path of Mothers' and Preschoolers' Food- and Physical Activity-Related Aspects in Disadvantaged Sicilian Urban Areas. *Int J Environ Res Public Health*, 2021. 18(6).
- Thomas, E, Bellafiore M, **Petrigna L**, [...]. Peripheral Nerve Responses to Muscle Stretching: A Systematic Review. *Journal of Sports Science and Medicine*, 2021. 20: 258-267.

The undersigned is aware that, pursuant to art. art. 76 of Presidential Decree 445/2000, false declarations, falsity of documents and the use of false documents are punished under the criminal code and special laws. Furthermore, the undersigned authorizes the processing of personal data pursuant to art. 13 of Legislative Decree no. 196 of 30 June 2003 "Code regarding the protection of personal data" and art. 13 GDPR 679/16 "European regulation on the protection of personal data"

Cefalù (Pa), 08/06/2021

Signature

Firme autografe omesse ai sensi dell'art. 3
comma 2 del D.L. n. 39/93