

CURRICULUM VITAE SCIENTIFICO PROFESSIONALE di Luca Petrigna

Cognome: **Petrigna**

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Data di Nascita: [REDACTED]

Luogo di nascita: [REDACTED]

Residenza: [REDACTED]

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Titoli accademici

- 2017-2021 Università degli Studi di Palermo
Dottorato in "Health Promotion and Cognitive Sciences"
- 2013/2015 Università degli Studi di Torino
Laurea Magistrale in Scienze dell'Educazione Motoria e delle Attività Adattate
Voto 110 / 110 con Lode, Menzione alla Carriera e Dignità di Stampa
- 2009/2013 Università degli Studi di Palermo
Laurea Triennale in Scienze Motorie e Sportive.
Voto 110/110 con Lode

Esperienze scientifiche all'estero

- 2019-2020 Lithuanian Sports University, LT
Dottorando in visita (06/11/2019-04/11/2020, 1 anno) per uno studio su "Grooved Pegboard test standard operating procedures". Prof. Pajaujiene
- 2018 Colorado University in Boulder, USA
Dottorando in visita (12/03/2018-31/08/2018, 6 mesi) per due studi su "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 mesi) per lo studio su "Potential benefits of Zumba in people with Parkinson's". Prof. Delestrat
- 2012-2013 University of Greenwich, UK
Progetto di ricerca ERASMUS (01/10/2012-19/03/2013, 5 mesi) su "Critical Power in ciclisti". Prof. Karsten

Co-relatore delle seguenti tesi nei corsi di Laurea Magistrale in Scienze Motorie

Università degli Studi di Palermo

- 2019-2020 Candidato: Dott. Ianoca, *"Correlazione tra performance cognitiva e destrezza manuale. Uno studio pilota"*
- 2019-2020 Candidato: Dott. Landro, *"Un nuovo test per la valutazione del ciclismo"*
- 2019-2020 Candidato: Dott. Aurea, *"Il goalball, valutazione e benefici dell'attività motoria in persone con disabilità visiva. Una revisione sistematica della letteratura"*
- 2020-2021 Candidato: Dott. Petta, *"Sitting volleyball, valutazione e benefici dell'attività motoria in persone con disabilità: una revisione sistematica della letteratura"*

Attività di referaggio

Revisore per le riviste scientifiche:

International Journal of Obesity; Journal of Aging and Physical Activity; European Journal of Translational Myology, Medicine, Frontiers in Physiology, Brain Sciences, and Motor Control.

Attività Scientifica

- 2021 Progetto: Natural moving.
Nazione: 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 Progetto: Functional threshold Power and Critical Power.
Nazione: Italia e Germania (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 Progetto: Physical Exercise on circulating levels of BDNF and NT 4/5.
Nazione: Italia e Portogallo (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 Progetto: Transcutaneous electrical nerve stimulation on physical fitness on multiple sclerosis disease.
Nazione: Italia e Stati Uniti d'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

Relatore a congressi e convegni nazionali e internazionali

- e2021 Presentazione poster al “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 Presentazione poster al Congresso “European College of Sport Science” (ECSS), Online
-Petrigna et al. Feasibility of a shorter functional threshold power test in cycling: a pilot study
- 2019 Presentazione orale al “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 Presentazione orale al “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 Presentazione poster al “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

Produzione scientifica

-Karsten, B, [...], **Petrigna, L**, [...]. Comparison of inter-trial recovery times for the determination of critical power and W’ in cycling. Journal of Sports Sciences. 2016.

<http://dx.doi.org/10.1080/02640414.2016.1215500>

- Bianco A, [...], **Petrigna L**, [...] Tabacchi, G. 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**, [...] Bianco A. 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**, Rabaglietti E, Pizzigalli 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.
- 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
- Petrucci M, **Petrigna L**, [...], Bianco A. (2021). 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*, 10 (1), Ahead of Print. doi:10.26773/mjssm.210310
- 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.
- Petrigna L**, et al. Time spent on the smartphone does not relate to manual dexterity in young adults. *BMC Neurosci*. 2021; 22:34
- Ribeiro D, **Petrigna L**, [...]. The Impact of Physical Exercise on the Circulating Levels of BDNF and NT 4/5: A Review. *Int. J. Mol. Sci*. 2021; 22, 8814

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Cefalù (Pa), 28/09/2021

Firma

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