

## Psychology, Sport Psychology &

March 2023, **Masterclass in Digital Psychology**, Idego.  
January 2023, **Course Psychological Training and Mental Health in Sports**, Universidade Lusofona Porto.  
March 2022, **Master's degree in 'Sport Psychology'**, Psychosport.  
January 2022, **'Sport Neuroscience Certificate, Applied Neuroscience in High Performance - Principles and Models'**, University Centre International (CUI).

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## EDUCATION AND TRAINING

Internship at Research Laboratory of Cognitive and Action Neuroscience, University of Foro Italico, Rome. (2021 - to 2022)

Master's degree in Psychology. 110 cum laude/110. "The influence of soccer play on executive functions: a systematic review of the literature." (2021)

Bachelor's Degree in Psychological Science and Techniques. 110 cum laude/110.

"The contribution of sport in achieving human excellence." (2019)

Internship at "Polisportiva Giovanni Castello" (2020)

Internship at "Gaudium" medical practice.(2018)

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## PROFESSIONAL EXPERIENCE

**PhD** at Research Laboratory of Cognitive and Action Neuroscience, University of Foro Italico, Rome. (2022 - to date)

Development and scientific validation of innovative cognitive-motor training methodologies for professional athletes via virtual reality.

Analysis of neural correlates underlying human movement and actions

**Sport Psychologist**, SS Romulea competitive categories (2022 - to date)

Mental Preparation for Competitive Categories. Cognitive-Motor Training in Virtual Reality.

Coaches' observation, analysis and in-depth study of the constructs constituting competitive activity.

**Sport Psychologist**, Integrated Football Academy, AS Roma & AS Roma Cares (2021 - to date)

Motor training, focused on the game of soccer, with individuals with intellectual disabilities.

AIA Italian **Referees** Association (2015 - 2018)

- **Reviewer** at the **International Journal of Psychophysiology**
- **Poster in XXXII Predictive Brain SIPF National Congress 2024**
- **Casella, A., Ventura, E., & Di Russo, F. (2022). The Influence of a Specific Cognitive-Motor Training Protocol on Planning Abilities and Visual Search in Young Soccer Players.** Brain sciences, 12(12), 1624. <https://doi.org/10.3390/brainsci12121624>
- **Casella, A., Di Bello, B., Aydin, M., Lucia, S., Russo, F. D., & Pitzalis, S. (2024). Modulation of anticipatory brain activity as a function of action complexity.** Biological psychology, 193, 108959. <https://doi.org/10.1016/j.biopsycho.2024.108959>  
<https://doi.org/10.22541/au.171268674.45577306/v1>
- **Aydin, M., Lucia, S., Casella, A., Di Bello, B., & Di Russo, F. (2024). Bayesian interpretation of the prefrontal P2 ERP component based on stimulus/response mapping uncertainty.** International journal of psychophysiology : official journal of the International Organization of Psychophysiology, 199, 112337. <https://doi.org/10.1016/j.ijpsycho.2024.112337>
- **Casella, A., Panacci, C., Aydin, M., Lucia, S., Di Bello, B., & Di Russo, F. (2024). Effects of a Virtual Reality Reaction Training Protocol on Physical and Cognitive Skills of Young Adults and Their Neural Correlates: A Randomized Controlled Trial Study.** Brain sciences, 14(7), 663. <https://doi.org/10.3390/brainsci14070663>
- **Maria di Bello, B., Casella, A., Aydin, M., Lucia, S., Russo, F. D., & Pitzalis, S. (2024). Electrophysiological indexes of the cognitive-motor trade-off associated with motor response complexity in a cognitive task.** NeuroImage, 120931. Advance online publication. <https://doi.org/10.1016/j.neuroimage.2024.120931>

## CONTACTS