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**BIOGRAPHICAL SKETCH**


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NAME Alessandra Raio		POSITION TITLE Research Fellow in Clinical Neuropsychology (Psychiatric Neuroscience Group, Bari)	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)</i>			
INSTITUTION AND LOCATION	DEGREE	MM/YY	FIELD OF STUDY
University of Padua (UNIPD), Italy	M.S.	10/2017	Clinical Psychology
University of Padua (UNIPD), Italy	Habilitation for psychological profession 2 <sup>nd</sup> level	01/2019	Psychology
University of Padua (UNIPD), Italy	specializing master	10/2019	Clinical Neuropsychology
Psychiatric Neuroscience Group, Bari, Italy	Research fellowship	02/2020	Clinical Neuropsychology

**A. Personal Statement**

As a clinical researcher, I am interested in grasping multi-dimensional interactions that lead to psychiatric onset, enhancing inter-individual differences, with the aim to support the development of personalized, early identification programmes. Particularly, my current research focus is on how biological, cognitive, clinical and behavioral variables contribute to the susceptibility for schizophrenia and bipolar disorder.

I obtained my Bachelor Degree at University of Bari (Italy), with the supervision of Prof. Pergola and Prof. Bertolino and my Master Degree at University of Padua (Italy), with the supervision of Prof. Angrilli: both my pre-graduation internship experiences aimed at enrich my research training in cognitive neuroscience and improved my personal knowledge about the biological and behavioral underpinnings of mental disorders. After my two clinical post-graduation internships, I shifted my focus to translational research, engaging my need of bench to bedside solutions, based on a more fruitful dialogue between clinical practice and research. At this aim, over the last year I started to improve my expertise in the application of machine learning techniques to clinical and cognitive data as support to individualized functional predictions in psychiatric and at clinical risk individuals.

My long-term goal is to investigate how the development of psychiatric risk pathways unravels over time across the lifespan, studying naturalistic populations throughout a single subject, multi-domain approach.

**B. Positions and Honors****Positions and Employment**

2020-current Research Fellowship in Clinical Neuropsychology, Department of Basic Medical Science, Neuroscience and Sense Organs, UNIBA

**Professional Experience**

2013-2014 Research Internship (Bachelor Degree), Psychiatric Neuroscience Group, UNIBA  
 2015-2016 Research Internship (Master Degree), Department of General Psychology, UNIPD  
 2017-2018 Clinical Post-Graduation Internship, Villa Santa Chiara, VR – Villa Margherita, VI  
 2018-2019 Clinical Internship (2<sup>nd</sup> Level Specializing Master), Gruppo Veneto Diagnostica e Riabilitazione (GVDR), PD

## C. Contributions to science

### PUBLICATIONS

- Pergola G, Di Carlo P, Andriola I, Gelao B, Torretta S, Attotto MT, Fazio L, Raio A, Albergio D, Masellis R, Rampino A, Blasi G, Bertolino A (2016). *Combined effect of genetic variants in the GluN2B coding gene (GRIN2B) on prefrontal function during working memory performance*. *Psychological Medicine* 46, 1135-1150
- Antonucci LA, Raio A, Pergola G, Gelao B, Papalino M, Rampino A, Andriola I, Blasi G, Bertolino A (under submission). *Machine learning-based ability to classify psychosis and its early stages through parenting and attachment-related variables is associated with social cognition*. *BMC Psychology*

### POSTER PRESENTATIONS

- *Combined effect of genetic variants of GRIN2B on prefrontal functionality during working memory at the '19° Congresso Nazionale Società Italiana di Psicopatologia. Psicopatologia in tempi di crisi: stress, vulnerabilità e resilienza' (2015)*.