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### BIOGRAPHICAL SKETCH

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<b>NAME</b>	<b>POSITION TITLE</b>		
<b>Passiatore Roberta</b>	<b>Ph. D. Student in Biomolecular Pharmaceutical and Medical Sciences (Curriculum: Applied Neuroscience) – University of Bari, ITA</b>		
<b>eRA COMMONS USER NAME</b> (credential, e.g., agency login)			
<b>EDUCATION/TRAINING</b> (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)			
<b>INSTITUTION AND LOCATION</b>	<b>DEGREE</b>	<b>END DATE MM/YY</b>	<b>FIELD OF STUDY</b>
University of Bari – Bari, ITA	<b>B. Sc.</b>	<b>07/2016</b>	<b>Psychology</b>
University of Bari – Bari, ITA	<b>M. Sc.</b>	<b>07/2018</b>	<b>Clinical Psychology</b>

#### **A. Personal Statement**

*My research interest involves the physiological characterization of the human brain modeled by genetics, environment influence and experiences. My goal is to identify through innovative techniques structural and functional brain features closely related to clinical features associated with conversion to psychosis in high-risk individuals. The importance of this attempt is related to address several early efforts at indicated preventive interventions targeting individuals at particularly high risk for developing schizophrenia.*

*As an undergraduate, I achieved practical skills in acquiring and processing fMRI and sMRI data, in administering neuropsychological tests, and in investigating genetic and environmental factors conferring risk for schizophrenia. During my bachelor's degree training, I conducted research on the association between the genetic risk for schizophrenia and a neural correlate of this brain disease, i.e., thalamo-cortical functional connectivity during attentional processing. During my master's degree training, I focused my research activity on the brain substrate of learning and memory through cutting-edge functional connectivity techniques. Within the Ph.D. program in Applied Neuroscience, I am currently investigating the application of advanced univariate and multivariate techniques to structural and functional brain network modeling. Since February 2020, I have a double affiliation as PhD student at University of Bari, and as visiting scholar at the Center for Translational Research in Neuroimaging and Data Science (TReNDS) in Atlanta, GA.*

*My long-term goal is to investigate individual-specific structural and functional brain features, like a fingerprint, determined by genetic, environmental and cognitive factors to further understand risk factors for brain diseases.*

#### **B. Positions and Honors**

##### *Positions and Employment*

- 2015 - 2018     *Trainee in Biological Psychology at Dept. of Basic Medical Science, Neuroscience and Sense Organs, University of Bari - Bari, ITA*
- 2017 - 2018     *Trainee in Clinical Psychology at Child and Adolescent Psychiatry Unit – Brindisi, ITA*
- 2018 - 2019     *Trainee in Neuropsychology at Dept. of Basic Medical Science, Neuroscience and Sense Organs, University of Bari - Bari, ITA*
- 2018 -            *Ph. D. Student at University of Bari – Bari, ITA*
- 2020 -            *Visitor Scholar at the Center for Translational Research in Neuroimaging and Data*

Science – Atlanta, GA, USA

*Other Experience and Professional Memberships*

2013            *Children Assistant – Fasano, ITA*  
2019            *Human Brain Anatomy Course – King’s College London, UK*  
2018            *Member, Apsi faSano – Local Association of Psychology*  
2019            *Member, Organization of Human Brain Mapping*  
2019            *Member, Italian Society for Neuroscience*  
2020            *Member, Italian Society for Neuroscience*

**C. Contribution to Science**

Research Articles

I contributed to investigate brain connectivity pathways associated with genetic features related to psychopathological conditions, applying different functional brain networks modeling techniques.

*Antonucci LA, Di Carlo P, **Passiatore R**, Papalino M, Monda A, Amoroso N, Tangaro S, Taurisano P, Rampino A, Sambataro F, Popolizio T, Bertolino A, Pergola G, Blasi G. (2019). Thalamic connectivity measured with fMRI is associated with a polygenic index predicting thalamo-prefrontal gene co-expression. *Brain structure & function* 224(3):1331-1344. (PMID: 30725232).*

*Antonucci LA, Pergola G, **Passiatore R**, Taurisano P, Quarto T, Dispoto E, Rampino A, Bertolino A, Cassibba R, Blasi G. (2019). The interaction between OXTR rs2268493 and perceived maternal care is associated with amygdala-dorsolateral prefrontal effective connectivity during explicit emotion processing. *European Archives of Psychiatry and Clinical Neuroscience* 1-13. (PMID: 31471679).*

*Antonucci LA, Penze NI, Pergola G, Kambeitz-Illankovic L, Dwyer D, Kambeitz J, Haas SS, **Passiatore R**, Fazio L, Caforio G, Falkai P, Blasi G, Bertolino A, Koutsouleris N: Multivariate classification of schizophrenia and its familial risk based on load-dependent attentional control brain functional connectivity. *Neuropsychopharmacology* 2019, in press.*

Oral Presentations – International Conferences

**Passiatore R**, Antonucci LA, Di Carlo P, Papalino M, Monda A, Amoroso N, Tangaro S, Taurisano P, Bertolino A, Pergola G, Blasi G. (2017). Thalamic functional connectivity linked with familial risk for schizophrenia is associated with a polygenic risk score and a thalamo-cortical genetic co-expression network. *COGNOMICS 2017, Nijmegen 7th-8th September*.

**Passiatore R**, Antonucci LA, Bierstedt S, Suchan B, Pergola G (2020). Default or not default? Resting state network connectivity correlates with learning success. *EWCN2020, Bressanone 26th-31st January*

Oral Presentation – National Conferences

*Pergola G, Antonucci LA, Di Carlo P, **Passiatore R**, Papalino M, Monda A, Amoroso N, Tangaro S, Taurisano P, Rampino A, Sambataro F, Popolizio T, Bertolino A, Blasi G. (2017) Thalamic connectivity during attentional control is associated with a polygenic index predicting thalamic-prefrontal gene co-expression. *SIPF2017, Rome 17th November**

**Passiatore R, Antonucci LA, Bierstedt S, Suchan B, Pergola G (2019).** Default or not default? Resting state network connectivity correlates with learning success. *SIPF, Ferrara 14th-16th November*

#### Posters – International Conferences

Antonucci LA, Taurisano P, Fazio L, Romano R, Pergola G, **Passiatore R**, Di Carlo P, Gelao B, Bertolino A, Blasi G (2016). Thalamic medio-dorsal connectivity during attentional control measured with independent component analysis is associated with familial risk for schizophrenia and with a polygenic risk score. *npj Schizophrenia.2016 Article number: 16008. SIRS 2016 Conference, Florence 2nd-6th April.*

**Passiatore R, Antonucci LA, Di Carlo P, Papalino M, Monda A, Amoroso N, Tangaro S, Taurisano P, Bertolino A, Pergola G, Blasi G (2017).** Thalamo-cortical genetic co-expression network is associated with thalamic functional connectivity linked with familial risk for schizophrenia. *European Psychiatry, 41, S826-S827 Article number: EV1287. EPA 2017 Conference, Florence 1st-4th April.*

Lapomarda G, Pergola G, **Passiatore R**, Fazio L, Antonucci LA, Caforio G, Bertolino A, Blasi G, Rumiati R, Grecucci A (2018). Similar and yet different. Gray matter differentiates patients with schizophrenia and unaffected siblings from healthy controls without familial risk for psychiatric disorders. *EWCN 2018, Bressanone 21st-26th January*

**Passiatore R, Antonucci LA, Bierstedt S, Suchan B, Pergola G (2019).** Default or not default? Resting state network connectivity correlates with learning success. *OHBM2019, Rome 9th-13th June*

**Passiatore R, Antonucci LA, Fazio L, Gelao B, Falsetti A, Caforio G, Popolizio T, Bertolino A, Blasi G Pergola G (2020).** Subcortical grey matter reductions are volume is associated with schizophrenia, its familial risk and its pre-clinical manifestations. *SOBP2020, E-Poster session, 30th April – 2nd May*

#### Posters – National Conferences

**Passiatore R, Antonucci LA, Di Carlo P, Papalino M, Monda A, Taurisano P, Bertolino A, Pergola G, Blasi G. (2017).** Associazione di un network di co-espressione genica talamo-corticale a componenti indipendenti di connettività funzionale durante controllo attentivo. *SOPSI 2017, Rome 22nd-25th February.*

**Passiatore R, Antonucci LA, Bierstedt S, Suchan B, Pergola G (2019).** Default or not default? Resting state network connectivity correlates with learning success. *National meeting of PhD students in neuroscience 2019, Naples 1st March*

**Passiatore R, Antonucci LA, Bierstedt S, Suchan B, Pergola G (2019).** Default or not default? Resting state network connectivity correlates with learning success. *How the brain makes a difference 2019, Bari 24th-25th June*

**Passiatore R, Antonucci LA, Fazio L, Caforio G, Popolizio T, Pergola G, Blasi G, Bertolino A, Blasi G, Pergola G. (2019).** Associazione tra volume di sostanza grigia sottocorticale e rischio familiare e clinico per schizofrenia. *SIPB2019, Naples 2nd-5th October*

Antonucci LA, Penzel N, Pergola G, Kambeitz-Ilankovic LL, Dwyer D, Kambeitz J, Haas SS, **Passiatore R, Fazio L, Caforio G, Falkai P, Blasi G, Bertolino A, Koutsouleris N. (2019).** Classificare la diagnosi di schizofrenia e il suo rischio familiare attraverso connettività funzionale durante controllo attentivo: uno studio di machine learning. *SIPB2019, Naples 2nd-5th October*

#### **D. Research Support**

*Dept. of Basic Medical Sciences, Neuroscience and Sense Organs – University of Bari, ITA  
Faculty Scholarship for Ph. D. students*

*Project: Underlying neuroanatomical and memory-related functional signatures of conversion to psychosis in high-risk individuals (1-5).*