


PERSONAL INFORMATION

Mirko Manchia



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Nationality Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input checked="" type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

EMPLOYMENTS

from 01/07/2019 – present

**Associate Professor of Psychiatry**  
**University of Cagliari, Cagliari, Italy**

- Teaching, full time clinical activity (outpatient unit and consultation in liaison psychiatry), clinical and translational research (mood disorders, schizophrenia, treatment resistance, response to treatments)

Academic, mental healthcare, research

from 01/07/2019 – 01/07/2022

**Assistant Professor of Psychiatry (Tenure track)**  
**University of Cagliari, Cagliari, Italy**

- Teaching, full time clinical activity (outpatient unit and consultation in liaison psychiatry), clinical and translational research (mood disorders, schizophrenia, treatment resistance, response to treatments)

Academic, mental healthcare, research

from 01/07/2012 - present

**Adjunct Professor of Pharmacology**  
**Dalhousie University, Halifax, Nova Scotia, Canada**

- Teaching, dissemination, collaborative research

Academic research

from 01/10/2017 – 30/06/2019

**Post-doctoral fellow in Psychiatry**  
**University of Cagliari, Cagliari, Italy**

- Teaching, clinical and translational research (mood disorders, schizophrenia, treatment resistance, response to treatments)

Academic, healthcare, research

from 01/08/2013 – 29/08/2017

**Resident in Psychiatry**  
**University of Cagliari, Cagliari, Italy**

- Clinical training, clinical and translational research (mood disorders, schizophrenia, treatment resistance, response to treatments)

from 01/08/2010 – 23/05/2013  
Academic, healthcare, research  
**Clinical Research Fellow in Mood Disorders**  
**Dalhousie University, Halifax, Nova Scotia, Canada**

- Teaching, part time clinical activity (clinical psychopharmacological consultations in acute inpatients and outpatient units), clinical and translational research (mood disorders, pharmacogenomics, suicide, response to treatments)

from 01/07/2009 – 30/07/2010  
Academic, healthcare, research  
**Sobey post-doctoral fellow**  
**Dalhousie University, Halifax, Nova Scotia, Canada**

- Clinical and translational research (mood disorders, pharmacogenomics, suicide, response to treatments)

from 01/03/2009 – 01/03/2012  
Academic, research  
**PhD Student in Neuroscience**  
**University of Cagliari, Cagliari, Italy**

- Clinical and translational research (mood disorders, pharmacogenomics, suicide, response to treatments)

from 01/01/2008 – 16/04/2008  
Academic, research  
**Visiting Scientist**  
**Neurogenetics Section, Center for Addiction and Mental Health (CAMH),**  
**University of Toronto, Toronto, Canada**

- Basic and translational research (psychiatric genetics, molecular genetics, pharmacogenomics)

from 01/11/2004 – 24/11/2008  
Academic, research  
**Resident in Clinical Pharmacology**  
**University of Cagliari, Cagliari, Italy**

- Clinical training, clinical and translational research (mood disorders, response to treatments)

Academic, healthcare, research

**EDUCATION AND ACADEMIC DEGREES**

29/08/2017 Specialist in Psychiatry *Replace with EQF (or other) level if relevant*

University of Cagliari, Cagliari, Italy

- Score of 50/50 “magna cum laude”, special mention and recommendation for publication, with a thesis entitled “Longitudinal assessment of peripheral brain-derived neurotrophic factor in a sample of Sardinian psychotic patients: analysis of the relationship with clinical and genetic variables”, University of Cagliari, Cagliari, Italy

23/05/2013 Fellowship in Mood Disorders *Replace with EQF (or other) level if relevant*

Dalhousie University, Halifax, NS, Canada

- Completion of four years of a clinical and research fellowship in Mood Disorders at the Department of Psychiatry, Dalhousie University, Halifax, NS, Canada

01/03/2012 PhD in Neuroscience *Replace with EQF (or other) level if relevant*

		<i>relevant</i>
	University of Cagliari, Cagliari, Italy	
24/11/2008	<ul style="list-style-type: none"> <li>▪ Thesis defended entitled "Genetic risk of suicidal behavior in bipolar-spectrum disorder: analysis of 737 pedigrees", University of Cagliari, Cagliari, Italy.</li> </ul> Specialist in Clinical Pharmacology	<i>Replace with EQF (or other) level if relevant</i>
	University of Cagliari, Cagliari, Italy	
27/10/2004	<ul style="list-style-type: none"> <li>▪ Specialization in Clinical Pharmacology with a score of 50/50 "magna cum laude", with a thesis entitled "Lithium Salts: a pharmacogenetic study in a sample of Sardinian Bipolar patients", University of Cagliari, Cagliari, Italy</li> </ul> Degree in Medicine	<i>Replace with EQF (or other) level if relevant</i>
	University of Cagliari, Cagliari, Italy	
01/07/1998	<ul style="list-style-type: none"> <li>▪ Score of 110/110 "magna cum laude", with a thesis entitled "Drug Information Service: Importance in the diagnosis of the Adverse Drug Reaction disease and in the clinical management of drugs", University of Cagliari, Cagliari, Italy</li> </ul> High school degree	<i>Replace with EQF (or other) level if relevant</i>
	"Liceo Scientifico San Giovanni Bosco"	
	<ul style="list-style-type: none"> <li>▪ Final exam with a score of 60/60</li> </ul>	

## ACHIEVEMENTS AND AWARD

### Awards

1. Sobey Fellowship in Mood Disorders, Department of Psychiatry, Dalhousie University, March 2009, Halifax, Nova Scotia, Canada.
2. Poster Prize, XVII<sup>th</sup> Congress of the Italian Society of Neuropsychopharmacology, 22<sup>nd</sup> - 25<sup>th</sup> September 2010 Cagliari, Italy.
3. Best oral presentation as Junior Faculty at the Department of Psychiatry 21<sup>st</sup> Annual Research Day, Halifax, 28<sup>th</sup> October 2011, Halifax, Nova Scotia, Canada.
4. Canadian College of Neuropsychopharmacology (CCNP) 2012 W.G. Dewhurst Travel Award, 35<sup>th</sup> Annual CCNP Meeting, 23<sup>rd</sup> – 26<sup>th</sup> May, 2012, Vancouver, British Columbia, Canada
5. Collegium Internationale Neuro-Psychopharmacologicum (CINP) Rafaelsen young investigator award, CINP Thematic Meeting on Pharmacogenomics and Personalized Medicine in Psychiatry, 21<sup>st</sup>-23<sup>rd</sup> April 2013, Jerusalem, Israel.
6. International Society of Psychiatric Genetics 2014 XXII<sup>nd</sup> World Congress of Psychiatric Genetics Travel Award, 12<sup>th</sup> – 16<sup>th</sup> October, 2014, Copenhagen, Denmark.
7. World Federation of Societies of Biological Psychiatry 12<sup>th</sup> World Congress of Biological Psychiatry Educational Grant, 14<sup>th</sup> – 18<sup>th</sup> June, 2015, Athens, Greece.
8. European College of Neuropsychopharmacology (ECNP) School of Neuropsychopharmacology bursary, 26<sup>th</sup> June - 1<sup>st</sup> July, 2016, Oxford, United Kingdom.
9. American College of Neuropsychopharmacology (ACNP) Travel Award, 56<sup>th</sup> Meeting, December 3<sup>rd</sup> -7<sup>th</sup>, 2017, JW Marriott Desert Springs Resort, Palm Springs, California, USA.
10. Bruno Callieri award, Italian Society of Psychiatry, V National Congress of Young Psychiatrist, September 21<sup>st</sup> -23<sup>rd</sup> 2017, Cagliari, Sardinia, Italy.

### Editorial activity

Member of the Editorial Board of "Frontiers in pharmacogenetics and pharmacogenomics". Academic Editor for "Medicine". Associate Editor for "Neuroscience Letters", "BMC Psychiatry", "Frontiers in Psychopharmacology", "Frontiers in Neurodegeneration". Review Editor for Psychiatric Genetics. Statistical Editor for "Frontiers in Pharmacology". Member of the Editorial Board of the International Journal of Bipolar Disorders. Member of the Editorial Board of Medicina. Section Editor for Medicina. Co-Editor with Prof. Bernardo Carpiniello of the Special Issue entitled "The path toward personalized medicine in psychiatry: promises and pitfalls" to be published in Neuroscience Letters. Co-Editor with Prof. Bernardo Carpiniello of the Research Topic entitled "Decreasing the Impact of Treatment Resistance in Schizophrenia: Identifying Novel Molecular Targets/Pathways to Increase Treatment Efficacy" to be published in Frontiers in Pharmacology. Co-Editor with Prof. Alessio Squassina of the Special Issue entitled "Lithium: Novel observations for an old drug" to be published in Neuroscience Letters. Co-Editor with Prof. Gavino Faa, Prof. Daniela Fanni, Dr. Clement C. Zai of the Research Topic entitled "Looking for a culprit: the role of the exposome in complex neuropsychiatric and somatic disorders" to be published in Frontiers in Neuroscience. Co-Editor with Prof. Gabriele Sani, Dr. Delfina Janiri, Dr. Angelo Carfi of the Research Topic entitled "Late-onset Depression and Mania:

Diagnosis, Treatment and Life Events as risk factors" to be published in *Frontiers in Psychiatry*. Co-Editor with Prof. Joe Kossowski of the Research Topic entitled "Systematic Reviews of Pharmacological and Non-Pharmacological Psychiatric Interventions" to be published in *Frontiers in Psychiatry*.  
 "Ad hoc" reviewer for numerous international journals.

## Major invited presentations

### Grants

2018-2023: Leader (and co-PI of the project) of the partner 5 of the project "Personalization of long term treatment in bipolar disorder (PLOT-BD)" funded in the context of the call ERAPERMED 2018 (€1.022.308), coordinator prof. Martin Alda, Dalhousie University, Halifax, Nova Scotia, Canada  
 2019-2022 Co-Investigator of the project "Pharmacogenetic study of antidepressant drugs: characterization of the metabolism profiles of the cytochromes CYP2D6 AND CYP2C19 in a Sardinian population project of patients suffering from major depressive disorder and economic impact of the test" funded by the autonomous region of Sardinia call for years 2017 on the development and cohesion fund 2014-2020. Funding €110,000. Pi: Professor Bernardo Carpiello  
 2019 – 2023: Principal Investigator of the project "Investigating neurobiological markers of obsessive-compulsive disorder: a cross-sectional study in different phenotypic subgroups" funded by the Fondazione di Sardegna (2019 year) with €78705,17  
 2019-2024: Co-Investigator of the project "The clock is ticking on schizophrenia: a translational study integrating phenotypic, genomic, microbiome and biomolecular data to overcome disability." Funded with € 350,000 by the 2019 Finalized Research Call of the Ministry of Health.  
 2020-2024: Co-Investigator of partner 6 of the project "Toward precision medicine for the prediction of treatment response in major depressive disorder through stratification of combined clinical and -omics signatures (PROMPT)" funded in the context of the call ERAPERMED 2020 (€ 1.325.555), coordinator prof. Bernhard T. Baune, University of Münster, Germany  
 2022 - 2027: Co-Investigator of the PSYCH-STRATA project funded by the European Union in the context of the call HORIZON-HLTH-2021-STAYHLTH-01 (H2021) (total budget € 10,748,502, budget  
 2024: Principal Investigator of the project " PREDiction of lithium response using Algorithms based on Multimodal Signatures" funded by the Ministry of University PNRR Mnesys – Bandi a cascata with € 499.583,25.  
 2024: Principal Investigator of the project " Mapping the natural course of comorbid bipolar disorder via integration of multimodal data (MapCoBD)" funded by the Italian Ministry of Health PNRR M6/C2 with € 999.000,00.

### Patents

None

## ADDITIONAL INFORMATION

### Publications

Total number of publications in peer-review journals 229

Total number of citations 5971 (Scopus)

H index 38 (Scopus)

1. Manchia M. The Relevance of Body Mass Index in Bipolar Disorder. *Am J Psychiatry*. 2024;181(1):4-6. Journal IF: 19.242 Citations (Scopus): 0.
2. Manchia M, Sani G, Alda M. Suicide Risk and Lithium. *JAMA Psychiatry*. 2022. doi: 10.1001/jamapsychiatry.2022.0081. PMID: 35262644. Journal IF: 21.596 Citations (Scopus): 0.
3. Piras IS, Huentelman MJ, Pinna F, Paribello P, Solmi M, Murru A, Carpiello B, Manchia M\*, Zai CC\*. A review and meta-analysis of gene expression profiles in suicide *Eur Neuropsychopharmacol*. 2022;56:39-49. doi: 10.1016/j.euroneuro.2021.12.003. PMID: 34923210. Journal IF: 4.6 Citations (Scopus): 0.
4. Paribello P\*, Manchia M\*, Bosia M, Pinna F, Carpiello B, Comai S. Melatonin and aggressive behavior: A systematic review of the literature on preclinical and clinical evidence. *J Pineal Res*. 2022 Feb 22:e12794. doi: 10.1111/jpi.12794. PMID: 35192237. Journal IF: 13.07 Citations (Scopus): 0.
5. Manchia M, Gathier AW, Yapici-Eser H, Schmidt MV, de Quervain D, van Amelsvoort T, Bisson JI, Cryan JF, Howes OD, Pinto L, van der Wee NJ, Domschke K, Branchi I, Vinkers CH. The impact of the prolonged COVID-19 pandemic on stress resilience and mental health: A critical review across waves. *Eur Neuropsychopharmacol*. 2022;55:22-83. doi: 10.1016/j.euroneuro.2021.10.864. PMID: 34818601. Journal IF: 4.6 Citations (Scopus): 2.
6. Manchia M\*, Fontana A\*, Panebianco C, Paribello P, Arzedi C, Cossu E, Garzilli M, Montis MA, Mura A, Pisanu C, Congiu D, Copetti M, Pinna F, Paziienza V, Squassina A, Carpiello B. Involvement of Gut Microbiota in Schizophrenia and Treatment Resistance to Antipsychotics. *Biomedicine*. 2021;9(8):875. doi: 10.3390/biomedicine9080875. PMID: 34440078. Journal IF: 6.081 Citations (Scopus): 2.
7. Fontana A\*, Manchia M\*, Panebianco C, Paribello P, Arzedi C, Cossu E, Garzilli M, Montis MA, Mura A, Pisanu C, Congiu D, Copetti M, Pinna F, Carpiello B, Squassina A, Paziienza V. Exploring the Role of Gut Microbiota in Major Depressive Disorder and in Treatment Resistance to Antidepressants. *Biomedicine*. 2020 Aug 27;8(9):311. doi: 10.3390/biomedicine8090311. PMID: 32867257. Journal IF: 6.081 Citations (Scopus): 4.

8. Manchia M, Vieta E, Smeland OB, Altimus C, Bechdolf A, Bellivier F, Bergink V, Fagiolini A, Geddes JR, Hajek T, Henry C, Kupka R, Lagerberg TV, Licht RW, Martinez-Cengotitabengoa M, Morken G, Nielsen RE, Pinto AG, Reif A, Rietschel M, Ritter P, Schulze TG, Scott J, Severus E, Yildiz A, Kessing LV, Bauer M, Goodwin GM, Andreassen OA; European College of Neuropsychopharmacology (ECNP) Bipolar Disorders Network. Translating big data to better treatment in bipolar disorder - a manifesto for coordinated action. *Eur Neuropsychopharmacol.* 2020;36:121-136. doi: 10.1016/j.euroneuro.2020.05.006. PMID: 32536571. Journal IF: 4.6 Citations (Scopus): 8.
9. Squassina A\*, Manchia M\*, Pisanu C, Ardaù R, Arzedi C, Bocchetta A, Caria P, Cocco C, Congiu D, Cossu E, Dettori T, Frau DV, Garzilli M, Manca E, Meloni A, Montis MA, Mura A, Nieddu M, Noli B, Paribello P, Pinna F, Robledo R, Severino G, Sogos V, Del Zompo M, Ferri GL, Chillotti C, Vanni R, Carpinello B. Telomere attrition and inflammatory load in severe psychiatric disorders and in response to psychotropic medications. *Neuropsychopharmacology.* 2020;45(13):2229-2238. doi: 10.1038/s41386-020-00844-z. PMID: 32919410. Journal IF: 7.855 Citations (Scopus): 11.
10. Manchia M, Cullis J, Turecki G, Rouleau GA, Uher R, Alda M. The impact of phenotypic and genetic heterogeneity on results of genome wide association studies of complex diseases. *PLoS One.* 2013;8(10):e76295. doi: 10.1371/journal.pone.0076295. eCollection 2013. PMID: 24146854 Journal IF: 3.240 Citations (Scopus): 116.
11. Manchia M, Hajek T, O'Donovan C, Deiana V, Chillotti C, Ruzickova M, Del Zompo M, Alda M. Genetic risk of suicidal behavior in bipolar spectrum disorder: analysis of 737 pedigrees. *Bipolar Disord.* 2013;15(5):496-506. doi: 10.1111/bdi.12088. PMID: 23734877 Journal IF: 6.744 Citations (Scopus): 24