

Manchia Mirko

CONTACT INFORMATION

Mirko Manchia, M.D., Ph.D.
Psychiatrist and Clinical pharmacologist
Assistant Professor of Psychiatry (Tenure track) at University of Cagliari, Cagliari, Italy
Adjunct assistant professor in pharmacology at Dalhousie University, Halifax, NS, Canada

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PERSONAL DATA

Place of birth: Sassari, Italy
Date of birth: 15th March 1979
Civil status: married
Nationality: Italian
Private address: Via Mameli, 192, Cagliari, Italy
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EDUCATION

1998	High School degree at “Liceo Scientifico San Giovanni Bosco” with a score of 60/60
1998-2004	Student at the School of Medicine of the University of Cagliari
2004	Degree in Medicine with a 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
2008	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
2009 (February)	Medical Council of Canada Evaluating Examinations (MCCEE): passed (score: 262)
2012	PhD in Neuroscience, with a thesis entitled “Genetic risk of suicidal behavior in bipolar-spectrum disorder: analysis of 737 pedigrees”, University of Cagliari, Cagliari, Italy.
2013	Completion of four years of a clinical and research fellowship in Mood Disorders at the Department of Psychiatry, Dalhousie University, Halifax, NS, Canada.
2017	Specialization in Psychiatry with a 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

POSITIONS

1998-2002	Medical Student, Section of Human Physiology, Department of Sciences Applied to Biosystems, University of Cagliari, Italy. Physiology of the smooth muscle (Supervisor Prof. Rino Mancinelli, PhD)
2002-2004	Medical Student, Unit of Clinical Pharmacology, Department of Neurosciences, University of Cagliari, Italy. Psychopharmacology and genetic basis of mood disorders (Supervisor Prof. Maria Del Zompo, MD)

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2004-2008	Resident, Clinical Pharmacology Training program, Department of Neuroscience, University of Cagliari. Psychopharmacology, Genetic Basis of Mood disorders, Studies on Drug Response (Supervisor Prof. Maria Del Zompo, MD)
2008 (January-April)	Visiting scientist at Neurogenetics Section, Center for Addiction and Mental Health (CAMH), University of Toronto, Toronto, Canada (Supervisors Prof. James L. Kennedy, MS, MD, FRCPC, FRSC and Prof. Vincenzo De Luca, MD, PhD)
2008 (November-June)	Clinical Pharmacologist at Unit of Clinical Pharmacology, Department of Neurosciences (now Department of Biomedical Sciences), University of Cagliari, Cagliari, Italy.
2009-2012	PhD Student in Neuroscience, Department of Neurosciences (now Department of Biomedical Sciences), University of Cagliari, Cagliari, Italy.
2009-2010	Sobey Post Doctoral Fellow at the Department of Psychiatry, Dalhousie University, Halifax, Nova Scotia, Canada (Supervisor Prof. Martin Alda, MD, FRCPC)
2010-2013	Clinical Research Fellow in Mood Disorders at the Department of Psychiatry, Dalhousie University, Halifax, Nova Scotia, Canada (Supervisor Prof. Martin Alda, MD, FRCPC)
2012 (July-present)	Adjunct assistant professor of Pharmacology, Dalhousie University, Halifax, Nova Scotia, Canada
2013-2017	Resident, Psychiatry Training program, Department of Public Health, Clinical and Molecular Medicine, University of Cagliari, Cagliari, Italy (Supervisor: Prof. Bernardo Carpinello, MD)
2014 (July-present)	Academic Editor, Medicine, Wolters Kluwer Health
2014 (November-present)	Associate Editor, Neuroscience Letters, Elsevier
2015 (October-present)	Associate Editor, BMC Psychiatry, Biomed central
2015 (October-present)	Statistical Editor, Frontiers in Pharmacology
2016 (October-present)	Review Editor, Frontiers in Genetics
2016 (December-present)	International Group for The Study of Lithium Treated Patients
2016 (November-present)	European College of Neuropsychopharmacology - Bipolar Network
2017 (January-present)	Review Editor, Frontiers in Psychiatry
2017 (November-present)	Guest Associate Editor, Frontiers in Pharmacology
2017 (October-present)	Post-doctoral fellow in Psychiatry, University of Cagliari
2018 (January-present)	Reviews Editor, Psychiatric Genetics
2018 (April-present)	Member of the Editorial Board of the International Journal of Bipolar Disorders
2018 (October-present)	Associate Editor, Frontiers in Psychiatry
2019 (February-present)	Member of the Editorial Board of Medicina
2019 (March-present)	Member of the Editorial Board of Real World Psychiatry and Psychopharmacology
2019 (October-present)	European College of Neuropsychopharmacology – Resilience Thematic Network Group
2019 (December -present)	Coordinator of the Prevention of Severe Mental Disorder Network of the European Brain Research Area (EBRA) chaired by Ole A. Andreassen and Paolo Fusar Poli
2020 (February- present)	Guest Associate Editor, Frontiers in Neuroscience
2020 (April-present)	Associate Editor, Frontiers in Neurodegeneration
2020 (May-present)	Editorial Board Member, Psychiatry International (MDPI)
2020 (September-present)	Editorial Board Member, Future Pharmacology (MDPI)

LANGUAGES

English: PET level certification of Cambridge ESOL, 8th June 2007 (passed with merit); FIRST level certification of Cambridge ESOL, 10th June 2008 (passed with A); IELTS certification of Cambridge ESOL, 18th December 2009 (Overall score 8/9).

Italian: mother tongue.

Spanish: elementary level of proficiency.

1) SCIENTIFIC ACTIVITY

Professional skills in basic and clinical research

Molecular genetics: Training at the laboratory of Molecular Genetics of the Department of Biomedical Sciences of the University of Cagliari, Italy, at the Neurogenetics Section, Centre for Addiction and Mental

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Health (CAMH), University of Toronto, Toronto, Ontario, Canada and at Dalhousie University, Halifax, Nova Scotia, Canada.

Experimental techniques: DNA/RNA extraction (high salt procedure/phenol), real time PCR, genotyping (RFLP), SNP analysis with the use of the ABI PRISM® 7000 Sequence Detection System for amplification and allelic discrimination, establishment and management of lymphoblastoid cell cultures. Analysis of microsatellites with ABI 3130 (trained at CAMH). Affymetrix course for cytogenetic analysis using CytoScan HD Array Kit and related instruments/software (IWK Children Hospital/Dalhousie University).

Statistical methods: Statistical analysis for candidate gene association in case-control and family studies (TDT, ETDT) haplotype analysis (UNPHASED, Haploview, CHAPLIN). Use of the most popular websites and online databases for research activities and design of genetic studies: HapMap, NCBI, Encode, Ensembl, PolyDoms. Advanced user of PLINK software for genome-wide association analyses. Linear, logistic and quadratic regression analysis in genetics studies. Linkage analysis. Gene-gene interaction in case-control and family studies (PGMDR). Use of Bioconductor suite implemented in R for the analysis of genome-wide gene expression arrays and Copy Number Variations (CNVs): packages “limma”, “geoQuery”, “oligo”, “affy”. Mixture modelling, linear and logistic regression modelling, survival analysis, factor analysis and PCA.

Clinical research: training at the Unit of Clinical Psychopharmacology of the University of Cagliari, Cagliari, Italy, at the Mood Disorders Program, Department of Psychiatry, Dalhousie University, Halifax, Nova Scotia, Canada, and at the Section of Psychiatry, Department of Public Health, Clinical and Molecular Medicine, University of Cagliari, Cagliari, Italy. Trained in the use of clinical tools for longitudinal and cross-sectional assessment of psychiatric patients in research studies: Diagnostic Interview for Genetic Studies (DIGS), Structured Clinical Interview I and II for DSM-IV-TR Axis I and Axis II disorders (SCID-I and SCID-II), retrospective evaluation of response to maintenance treatment, Schedules for Clinical Assessment in Neuropsychiatry (SCAN), OPCRIT, NIMH Life chart (prospective and retrospective), Brief Assessment of Cognition in Schizophrenia (BACS), Brief Assessment of Cognition in Affective Disorder (BACA), MINI.

Statistical methods: univariate analysis with parametric and nonparametric tests, mixture modelling on continuous (age at onset) and discrete traits (psychometric scales), linear, logistic and log-linear models, survival analysis, Cox regression models, mortality analysis and lifetime prevalence analysis, mixed-effects linear regression models (MLRM) for longitudinal data.

Sub-investigator for three clinical trials conducted under GCP guidelines in bipolar disorder patients.

INFORMATIC SKILLS

Deep knowledge of programs operating in Windows environment such as: Outlook, Word, Power Point, Excel, Publisher. Good knowledge of Unix environment (bash) and Unix programs working in windows environment with Cygwin. Advanced user of statistical software such as SPSS, STATA, GraphPad, SigmaPlot, R.

RESEARCH RELATED ACTIVITIES

“Ad hoc” reviewer for the international journals “Psychiatry Research”, “Biological Psychiatry”, “Progress in Neuro-Psychopharmacology & Biological Psychiatry”, “Behavioral and Brain Functions”, “World Journal of Biological Psychiatry”, “Pharmacogenetics and genomics”, “Journal of Psychiatric Research”, “Pharmacogenomics”, “Nicotine & Tobacco Research”, “Current Drug Metabolism”, “Genes, Brain and Behavior”, “Psychiatric genetics”, “Molecular Biology Reports”, “Neuroscience Letters”, “Journal of Affective Disorders”, “Depression Research and Treatment”, “PloS ONE”, “Molecular Genetics & Genomics Medicine”, “American Journal of Psychiatry”, “European Psychiatry”, “Alcohol and Alcoholism”, “Genes”, “Clinical Lipidology”, “The Pharmacogenomics Journal”, “Bipolar Disorders - An International Journal of Psychiatry and Neurosciences”, “Current Neuropharmacology”, “Personalized medicine”, “Australasian Journal of Psychiatry”, “Case Reports in Medicine”, “Comprehensive Psychiatry”, “Neuropsychopharmacology”, “American Journal of Medical Genetics Part B. Neuropsychiatric Genetics”, “Frontiers in Psychiatry”, “Frontiers in Genetics”, “Acta Psychiatrica Scandinavica”, “Frontiers in Pharmacology”, “European Neuropsychopharmacology”, “Neuropsychiatric Disease and Treatment”, “Pharmacopsychiatry”, “International Journal of Neuropsychopharmacology”, “Frontiers in Psychiatry”, “Psychological Medicine”, “Journal of Trace Elements in Medicine and Biology”, “British Journal of Psychiatry”, The FASEB journal”, “Cerebral Cortex”, “Experimental and Clinical Psychopharmacology”, “Biomarkers in Medicine”, “Schizophrenia Bulletin”, “Drug Development Research”, “Molecular Psychiatry”, “Drugs”, “Journal of Neural Transmission”, “Asia-Pacific Psychiatry”, “Expert Review of Molecular Diagnostics”, “Epigenomics”, “Psychoneuroendocrinology”, “Schizophrenia Research”, “BMJ Open”, “The European Journal of Psychiatry”, “Translational Psychiatry”.

Reviewer of editorial proposals for Cambridge University Press.

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. Member of the Editorial Board of Real-World Psychiatry and Psychopharmacology. 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.

Reviewer for funding agencies: "Brainwave. The Irish Epilepsy association", "Wellbeing of Women", "Polish executive government agency of National Science Centre (Narodowe Centrum Nauki - NCN; <http://www.ncn.gov.pl>), European Commission Horizon 2020, IndiaAlliance DBT Wellcome Trust, "ZonMw Open Competitie".

AWARDS AND SCHOLARSHIP

1. Italian Ministry of University and Scientific Research: Four years Residency Program in Clinical Pharmacology (2004-2008).
2. Sobey Fellowship in Mood Disorders, Department of Psychiatry, Dalhousie University, March 2009, Halifax, Nova Scotia, Canada.
3. Poster Prize, XVIIth Congress of the Italian Society of Neuropsychopharmacology, 22nd - 25th September 2010 Cagliari, Italy.
4. Best oral presentation as Junior Faculty at the Department of Psychiatry 21st Annual Research Day, Halifax, 28th October 2011, Halifax, Nova Scotia, Canada.
5. Canadian College of Neuropsychopharmacology (CCNP) 2012 W.G. Dewhurst Travel Award, 35th Annual CCNP Meeting, 23rd – 26th May, 2012, Vancouver, British Columbia, Canada
6. Collegium Internationale Neuro-Psychopharmacologicum (CINP) Rafaelsen young investigator award, CINP Thematic Meeting on Pharmacogenomics and Personalized Medicine in Psychiatry, 21st-23rd April 2013, Jerusalem, Israel.
7. Italian Ministry of University and Scientific Research: Four years Residency Program in Psychiatry (2013-2017)
8. International Society of Psychiatric Genetics 2014 XXIInd World Congress of Psychiatric Genetics Travel Award, 12th – 16th October, 2014, Copenhagen, Denmark.
9. World Federation of Societies of Biological Psychiatry 12th World Congress of Biological Psychiatry Educational Grant, 14th – 18th June, 2015, Athens, Greece.
10. European College of Neuropsychopharmacology (ECNP) School of Neuropsychopharmacology bursary, 26th June - 1st July, 2016, Oxford, United Kingdom.
11. American College of Neuropsychopharmacology (ACNP) Travel Award, 56th Meeting, December 3rd - 7th, 2017, JW Marriott Desert Springs Resort, Palm Springs, California, USA.
12. Bruno Callieri award, Italian Society of Psychiatry, V National Congress of Young Psychiatrist, September 21st -23rd 2017, Cagliari, Sardinia, Italy.

MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC ASSOCIATIONS

2004 - present: Italian College of Physicians and Surgeons, Full license (# 8471)
2007 - present: International Society of Psychiatric Genetics
2008 - present: Consortium on Lithium Genetics (founding member)
2009 - present: European College of Neuropsychopharmacology (Ordinary Member)
2010 - 2013: College of Physicians and Surgeons on Nova Scotia, Defined License (# 015175)
2010 - present: Canadian College of Neuropsychopharmacology (Junior Member)
2011 - present: Italian Society of Pharmacology
2012 - present: Genomic Medicine Alliance
2015 - present: The International Society for Bipolar Disorders (Trainee member)
2015 - present: American Society of Clinical Psychopharmacology (Trainee member)
2016 - present: International Group for The Study of Lithium Treated Patients
2016 - present: European College of Neuropsychopharmacology - Bipolar Network
2017 - present: Italian Society of Psychiatry
2017 – present: Italian Society of Psychogeriatrics
2019 – present: European College of Neuropsychopharmacology – Resilience Thematic Network Group
2020 – present: Co-Chair of the European College of Neuropsychopharmacology – Bipolar Disorders

2019 – present: Coordinator of the European Brain Research Area Cluster “Prevention of Severe Mental Disorders (PSMD) co-chaired by Prof. Ole A. Andreassen and Prof. Paolo Fusar-Poli

RESEARCH PROJECTS

Completed:

“Preventive therapies of Bipolar Disorder”, funded by a contribution of the Sardegna Regional Government for the year 2005.

“Discovering new potential drug targets: the role of the polyamine system in suicide and lithium mechanism of action”: scientific project in collaboration with the Department of Psychiatry, Dalhousie University, Nova Scotia, Canada.

“Investigating lithium-responsive cluster headache as a strategy for the identification of genetic variants of risk for bipolar disorder: a whole-exome sequencing study”: research collaborative project between Section of Neuroscience and Clinical Pharmacology, Department of Biomedical Sciences, University of Cagliari, Department of Psychiatry of Dalhousie University and the University of Montreal.

Ongoing:

“Consortium on Lithium Genetics (ConLiGen)”: an international initiative led by National Institute of Mental Health (NIMH) and International Group for The Study of Lithium Treated Patients (IGSLI) to study the genetic basis of response to lithium treatment (www.conligen.org).

SECURED OPERATING GRANT

1. “Investigation of the effects of in vivo lithium treatment on gene expression levels using lymphoblastoid cell lines from human healthy subjects”. Principal Investigator. Peer-reviewed research project funded with 9,928.80 CAD. Funding agency: Department of Psychiatry Research Fund, Dalhousie University, Halifax, NS, Canada. Stopped due to my move to Italy for the Residency in Psychiatry.
2. “Melatonin MT1 receptor and bipolar disorder: from target validation to psychopharmacological implications.” Funded by Brain & Behaviour Research Foundation (Co-investigator).
3. Member of the project "Multidisciplinary approach for the study of mental illness: the length of telomeres, inflammation and microbiota are part of the same network?" funded by the Sardinian Foundation. In progress.
4. "Study of pharmacogenetics of antidepressant drugs: characterization of CYP2D6 and CYP2C19 cytochrome metabolism profiles in a Sardinian population of patients suffering from major depressive disorder and economic impact of testing" (Co-investigator). In progress.
5. "PLOT-BD: Personalization of Long Term Treatment in Bipolar Disorder" Funded by the European Union's ERA-Net PerMed Call (2018) (Co-Principal Investigator and Coordinator of the Italian Participant Center with Prof. Carpiniello) budget 834,448 €. In progress.
6. Member of the European Union-funded project "Aggression in Children: Unravelling gene-environment interplay to inform Treatment and Intervention strategies (ACTION) project" from 01-01-2015 to the present day.
7. Member of the European Union-funded project "CAPICE (Childhood and Adolescence Psychopathology: unravelling the complex etiology by a large Interdisciplinary Collaboration in Europe)" from 01-01-2018 to the present day.
8. PI of the project funded by the Fondazione di Sardegna “Investigating neurobiological markers of obsessive-compulsive disorder: a cross-sectional study in different phenotypic subgroups” budget € 78.705,17
9. Co-PI of the project GR-2019-12369523 “The clock is ticking on schizophrenia: a translational study integrating phenotypic, genomic, microbiome and biomolecular data to overcome disability” funded by the Minister of Health budget 450.000,00 €
10. "PROMPT: Toward PrecisiOn Medicine for the Prediction of Treatment response in major depressive disorder through stratification of combined clinical and -omics signatures" Funded by the European Union's ERA-Net PerMed Call (2018) (Co-Principal Investigator and Coordinator of the Italian Participant Center with Prof. Carpiniello and Prof. Squassina). Budget 1.115.055 €. In progress.

ATTENDED MEETINGS

- Faculty of Medicine Research Day annual meeting, 20th May 2004, Cagliari, Italy
- Faculty of Medicine Research Day annual meeting, 27th May 2005, Cagliari, Italy
- University of Cagliari Research Day annual meeting, 15th March 2006, Cagliari, Italy
- Faculty of Medicine Research Day annual meeting, 6th June 2006, Cagliari, Italy
- XIVth World Congress Of Psychiatric Genetics, 28th October - 1st November 2006, Cagliari, Italy (member of the local organizing committee)
- 33rd National Congress Of Italian Society of Pharmacology, 6th-9th June 2007, Cagliari, Italy

- Faculty of Medicine Research Day annual meeting, 8th June 2007, Cagliari, Italy
- 10th National Congress of Italian Society of Biological Psychiatry, 20th-22nd September 2007, Napoli, Italy.
- XVth World Congress Of Psychiatric Genetics, 7th - 11th October 2007, New York, USA
- Neuroscience: The Next Frontier, 13th February 2008, Toronto, Canada
- Neuroscience Research Exchange Day, 28th March 2008, Toronto, Canada
- Consortium on Lithium Genetics (ConLiGen) Inaugural Meeting, 6th May 2008, NIH, Bethesda, USA
- Faculty of Medicine Research Day annual meeting, 24th June 2008, Cagliari, Italy
- International Group for the Study of Lithium Treated Patients – 23rd Working Meeting, 1st - 4th October 2009, Halifax, NS, Canada
- Department of Psychiatry 19th Annual Research Day, Friday, October 16th, 2009, Lord Nelson Hotel & Suites, 1515 South Park Street, Halifax, NS B3J 2L2
- XVIIth World Congress Of Psychiatric Genetics, 4th - 8th November 2009, San Diego, CA, USA
- XVIIth Congress of the Italian Society of Neuropsychopharmacology, 22nd -25th September 2010, Cagliari, Sardinia, Italy
- International Group for the Study of Lithium Treated Patients – 24th Working Meeting, 30th September – 3rd October 2010, Cagliari, Sardinia, Italy
- Department of Psychiatry 21th Annual Research Day, Friday, October 28th, 2011, Lord Nelson Hotel & Suites, 1515 South Park Street, Halifax, NS B3J 2L2
- XIXth World Congress Of Psychiatric Genetics, 10th - 14th September 2011, Washington, DC, USA
- The Postdoc Appreciation Day, Friday, September 23rd 2011, Dalhousie University, Halifax, Nova Scotia, Canada
- Canadian College of Neuropsychopharmacology (CCNP) 35th Annual CCNP Meeting, 23rd – 26th May 2012, Vancouver, BC, Canada
- American College of Neuropsychopharmacology (ACNP) 51st Annual ACNP Meeting, 2nd – 6th December, 2012, Hollywood, FL, USA
- Collegium Internationale Neuro-Psychopharmacologicum (CINP) Thematic Meeting on Pharmacogenomics and Personalised Medicine in Psychiatry, 21st-23rd April 2013, Jerusalem, Israel.
- Symposium “Clinical and biological correlates of suicidal behavior”, University of Cagliari, 23rd September 2013, Cagliari, Italy
- XVIIIth Congress of the Italian Society of Neuropsychopharmacology, 3rd - 6th June 2014, Torino, Italy
- XXIInd World Congress of Psychiatric Genetics, 12th - 16th October 2014, Copenhagen, Denmark
- World Federation of Societies of Biological Psychiatry 12th World Congress of Biological Psychiatry, 14th – 18th June, 2015, Athens, Greece.
- British Association for Psychopharmacology, 2015 Summer Meeting, 26th - 29th July 2015, Bristol, UK.
- 28th European College of Neuropsychopharmacology Congress, 29th August - 1st September 2015, Amsterdam, Netherlands.
- 11th International Workshop on Neonatology, October 27th-31st 2015, Cagliari, Italy.
- European College of Neuropsychopharmacology (ECNP) School of Neuropsychopharmacology, 26th June - 1st July, 2016, Oxford, United Kingdom.
- 29th European College of Neuropsychopharmacology Congress, 17th - 20th September 2016, Vienna, Austria.
- IX National Conference of SPDC, 19th - 21st January 2017, Bergamo, Italy
- 30th European College of Neuropsychopharmacology Congress, 2nd - 5th September 2017, Paris, France.
- Italian Society of Psychiatry, V National Congress of Young Psychiatrist, September 21st -23rd 2017, Cagliari, Sardinia, Italy.
- ACTION meeting, 30th -31st October 2017, Vrije Universiteit Amsterdam, Amsterdam, Netherlands
- ECNP Bipolar Network Meeting, Experimental medicine in mood disorders - innovation in methods and targets; and development of standards, Magdalen College, 22nd -23rd March 2018, Oxford, United Kingdom.
- CINP World Conference, 16th -19th June 2018, Vienna, Austria.
- 31^o European College of Neuropsychopharmacology Congress, 6th – 9th October 2018, Paris, France.
- XXII World Congress of Psychiatric Genetics, 11th -15th October 2018, Glasgow, Scotland.
- 14^o International Workshop on Neonatology, 25th-28th October 2018, Cagliari, Italy.

ORGANIZZAZIONE DI CONVEGNI INTERNAZIONALI

1. Member of the Local Organizing Committee of the 14th World Congress Of Psychiatric Genetics, 28 October - 1 November 2006, Cagliari, Italy
2. Co-Chair with Prof. Mario Maj, Prof. Elizabeth Binder and Dr. Alessio Squassina of the 2020 Virtual World Congress Of Psychiatric Genetics.

COURSE PARTICIPATION

- Short course entitled “Women, hormones and migraine: a multidisciplinary approach”, 19th November 2004, Cagliari, Italy
- Short course on “New ways in the approach to Schizophrenia: from etiology to treatment”, 10th June 2005, Cagliari, Italy
- Course on “Pharmacovigilance and Outcome Research”, 10th - 14th October 2005, Firenze, Italy
- Short course on “Primary headache in clinical practice: diagnostic and therapeutic pathways”, 23rd June 2006, Jerzu, Italy
- Course on “Phase I and II studies in the clinical trials” 13rd - 17th November 2006, Firenze, Italy
- Course on “Clinical Psychopharmacology: Bipolar Disorder” 18th - 19th October 2007, Sanluri, Italy
- Statistical Genetics short course 23th – 28th August 2009, UCLA Campus, Covel Commons, Los Angeles, California
- Introduction to the R Software Environment 3rd August 2011, Dalhousie University, Studley campus
- Course on “Pharmacovigilance and good use of drug therapy: oral anticoagulants”, 16th May 2014, Cagliari, Italy.
- “Scientific School on Cloud-based Metabolomics Data Analysis and Collaboration”, 11th-15th September 2017, Pula, Italia

ORAL PRESENTATIONS

- **Mirko Manchia**, Anticonvulsants as mood stabilizers: biological basis. [Italian] “Azienda Sanitaria Locale 6”. 18th – 19th October 2007, Sanluri, Italy
- **Mirko Manchia**, Consortium on Lithium Genetics (ConLiGen), International Group for The Study of Lithium Treated Patients (IGSLI), Martin Alda. Response to lithium in bipolar disorder: inter-rater reliability and distributional properties. XVIIth World Congress on Psychiatric Genetics (WCPG), November 4th-8th, 2009, San Diego, California.
- **Mirko Manchia**, Alessio Squassina, Giovanni Severino, Raffaella Arda, Caterina Chillotti, Paola Piccardi, Maria Del Zompo, Martin Alda. REV-ERB α gene (NR1D1) and lithium response: mixture regression analysis in a sample of 199 Sardinian bipolar patients. 19th Research Day of the Department of Psychiatry, Dalhousie University, October 16th, 2009, Halifax, Nova Scotia, Canada.
- **Mirko Manchia**. Genetics of Lithium Response: State of Art and Future Perspectives. Seminar at the Department of Pharmacology, Dalhousie University, 11th June 2010, Halifax, Nova Scotia, Canada.
- **Mirko Manchia**. Guest discussant at the 24th International Group for The Study of Lithium Treated Patients (IGSLI) Conference, September 30th - October 3rd, 2010, Cagliari, Italy.
- **Mirko Manchia**. Phenotypic definition of lithium response in the Consortium on Lithium Genetics (ConLiGen). 21st Research Day of the Department of Psychiatry, Dalhousie University, Canada.
- **Mirko Manchia**. The impact of drug-drug interaction in psychopharmacology. Inter-professional education series. January 17th, 2012, Halifax, Nova Scotia, Canada.
- **Mirko Manchia**. Suicide risk in bipolar disorder: genetic, clinical and ethnic factors. [Italian] CME seminar at the Faculty of Medicine, University of Cagliari, 5th March 2012, Cagliari, Italy.
- **Mirko Manchia**. “Assessment of lithium response in bipolar disorder: the importance of phenotypic definition in genetic studies.” [Italian] CME seminar at the Faculty of Medicine, University of Cagliari, 26th June 2012, Cagliari, Italy.
- **Mirko Manchia**. “Clinical data relative to suicide in bipolar disorder”. [Italian] Symposium “Clinical and biological correlates of suicidal behavior”, University of Cagliari, 23rd September 2013, Cagliari, Italy.
- **Mirko Manchia**. “Antidepressants in the elderly”. [Italian] Regional Meeting UNIVA 2013, 24th October 2013, Oristano, Italy.
- **Mirko Manchia**. “Antipsychotics and cognitive functions: not only damage”. [Italian] Regional Meeting UNIVA 2014, 12th June 2014, Cagliari, Italy.
- **Mirko Manchia**. “Psychopharmacology of aggression in the elderly”. [Italian] Regional Meeting UNIVA 2015, 8th May 2015, Oristano, Italy.
- **Mirko Manchia**. “Pharmacogenomics of lithium”. Post-doctoral symposium at the 2015 Summer Meeting of the British Association for Psychopharmacology, 26th - 29th July, Bristol, UK.
- **Mirko Manchia**. “From pharmacogenomics to personalized therapy: focus on neurodegenerative diseases”. [Italian] Regional Meeting UNIVA 2016, 7th April 2016, Oristano, Italy.
- **Mirko Manchia**. “Lithium Pharmacogenomics” 19th National Congress of the Italian Society of Neuropsychopharmacology, 11-14 October 2016 Acireale (CT), Italy

- **Mirko Manchia.** "Metabolomics and aggression." 12O International Workshop on Neonatology, 19-22 October 2016, Cagliari, Italy.
- **Mirko Manchia.** "Treating aggression: the interplay of clinical and neurobiological factors", ACTION meeting, 30-31 October 2017, Vrije Universiteit Amsterdam, Amsterdam, Netherlands.
- **Mirko Manchia.** "Alterations of circadian rhythms in different stages of bipolar disorder," CINP World Conference, June 16-19, 2018, Vienna, Austria.
- **Mirko Manchia.** "Psicofarmaci e politerapia" Regional Congress AIP, 5th May 2018, Sassari, Italy
- **Mirko Manchia.** "ACTION project: where are we now?" CAPICE project: childhood and adolescence psychopathology", 14th International Workshop on Neonatology, 25-28 October 2018, Cagliari, Italy.
- **Mirko Manchia.** "Food-Mood: Echi dal progetto CAPICE" 4th Advanced Neonatal and Pediatric Nutrition Workshop. 29th June 2019, Cagliari, Italy.

ABSTRACTS

More than 100 peer-reviewed abstracts published in national and international journals.

PUBLICATIONS

Total number of publications: 109 in international peer-reviewed journals, 4 in national journal. 7 book chapters. Bibliometric indexes: H-index = 25; total number of citations: 1920 (calculated with "Scopus").

1. **Mirko Manchia**, Simona Lampus, Caterina Chillotti, Claudia Sardu, Raffaella Ardu, Giovanni Severino, Maria Del Zompo. Age at Onset in Sardinian Bipolar I Patients: Evidence for Three Subgroups. *Bipolar Disorders*, 2008; 10:443-6.
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* equal contribution

BOOK CHAPTERS

1. Alessio Squassina, **Mirko Manchia**, Christina Mitropoulou, George P. Patrinos. Pharmacogenomics and personalized medicine: Bridging genetic knowledge and clinical practice. *PanVascular Medicine*. 2nd Edition. Ed. Peter Lanzer. Springer.
2. **Mirko Manchia**, Martina Pinna, Eileen M. Denovan-Wright. Effect of interacting non-steroidal anti-inflammatory agents (NSAIDs) and opioids on mood: pharmacodynamic considerations in misuse and abuse. *Neuropathology of Drug Addictions and Substance Misuse*. Ed. Victor Preedy. Elsevier.
3. **Mirko Manchia**, Linda Booij, Federica Pinna, Janice Wong, Florian Zepf, and Stefano Comai. *Neurobiology of Violence*. Springer Nature Switzerland AG 2020, B. Carpiniello et al. (eds.), *Violence and Mental Disorders, Comprehensive Approach to Psychiatry*.

2) TEACHING ACTIVITIES AND SUPERVISION

- Supervision of medical students who were attending complementary courses in Clinical Pharmacology, Neuropsychopharmacology and Pharmacovigilance during post-doctoral period at the University of Cagliari. Cagliari, Italy.
- Co-supervision of three medical students who graduated successfully with thesis in Clinical Pharmacology.
- Course of Clinical Skills in psychiatry. Teaching task and supervision for 2nd year students of the Faculty of Medicine at Dalhousie University, Halifax, Canada;
- Course of Clinical Neuropharmacology. Teaching task and supervision for 2nd year residents in Psychiatry at the Faculty of Medicine of Dalhousie University, Halifax, Canada;
- CME seminars at the Faculty of Medicine of the University of Cagliari, Cagliari, Italy.

3) CLINICAL ACTIVITIES

Manchia Mirko

- 2002: Rotating clerkship at the Urology Unit at the University of Cagliari Teaching Hospital, Cagliari, Italy (6 months);
- 2003: Rotating clerkship in General Surgery at the University of Cagliari Teaching Hospital, Cagliari, Italy (2 months);
- 2004: Rotating clerkship in Internal Medicine at the University of Cagliari Teaching Hospital, Cagliari, Italy (2 months);
- 2004: Rotating clerkship in Allergology at the University of Cagliari Teaching Hospital, Cagliari, Italy (1 month);
- 2004-2005: Mandatory Training for Medical License, Internship at Emergency Medicine Unit (one month), Internship at Oncologic Surgery Unit (one month) at the University of Cagliari Teaching Hospital, Cagliari, Italy;
- 2005: Mandatory Training for Medical License, stage at General Practitioner's office (one month);
- 2008: Residency in Clinical Pharmacology;
- 2010 - 2013: Clinical psychopharmacologist at the Mood Disorders Program, Dalhousie University, Halifax, Nova Scotia, Canada.
- 2013 - present: Residency in Psychiatry
- 2014 January - 2014 July: Six months rotation in internal medicine at the "SS. Trinità" Hospital fully affiliated with the University of Cagliari, Cagliari, Italy.
- 2013-2017: Clinical activities as resident in psychiatry, clinical emergency management, outpatient evaluation and screening of patients related to the Psychiatric Clinic and cases of re-observation.
- 2017-January 2020: Private practitioner at a center specializing in the treatment of patients with mood disorders.
- January 2020- present: Private practitioner at the University Hospital Agency of Cagliari
- Consultant Psychiatrist for the Society MedAdvante - Prophase

Cagliari, July 14th, 2021

I hereby authorize my personal data treatment according to DLGS 196/03.

Mirko Manchia

