

CURRICULUM VITAE

PERSONAL INFORMATION

Name

CLAUDIA PISANU

Nationality

Italian

E-mail

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Position

Associate professor of pharmacology

Research indicators (Scopus): H-index: 26, number of citations: 3112, number of publications: 111

PROFILE

Brief description

Claudia Pisanu is an Associate Professor of Pharmacology at the Department of Biomedical Sciences of the University of Cagliari, (Cagliari, Italy). Her main research interests include: investigation of clinical and molecular determinants efficacy and safety of psychotropic drugs, analytical approaches aimed at integrating omic datasets and exploring the functional relevance of genomic variants, investigation of gender differences in the efficacy and safety of drugs.

WORK EXPERIENCE

<i>2024 - Present</i>	Associate Professor of Pharmacology, Department of Biomedical Sciences, University of Cagliari, Italy
<i>2024</i>	Visiting Researcher, Keio University, Tokyo (Japan)
<i>2021 – 2024</i>	Assistant Professor of Pharmacology, Department of Biomedical Sciences, University of Cagliari, Italy
<i>2023</i>	Visiting Researcher, Keio University, Tokyo (Japan)
<i>2019</i>	Fellow Fondazione Umberto Veronesi
<i>2017 - 2019</i>	Research assistant, Department of Biomedical Sciences, University of Cagliari, Italy
<i>2018</i>	Special Volunteer, National institute of Mental Health, National Institute of Health, Bethesda (Maryland, USA) (Supervisor: Dr. Francis McMahon)
<i>2015 - 2015</i>	Visiting Researcher, Unit of Functional Pharmacology and Neuroscience, Uppsala University, Uppsala, Sweden (Supervisor: Prof. Helgi Schiöth)

EDUCATION

<i>2019 - 2023</i>	PhD in Neuroscience, University of Cagliari, cum laude
<i>2012 - 2017</i>	Specialization in Medical Pharmacology, University of Cagliari, 50/50 cum laude
<i>2005 - 2011</i>	Degree in Medicine and Surgery, University of Cagliari, 110/110 cum laude

LANGUAGES

English (C1 level, Cambridge Certification)

ACADEMIC ACTIVITY*Oral presentations at conferences*

- February 2025*
Rome Symposium speaker at the SOPSI 2025 conference. Title of the symposium: "Personalizzazione della cura per i pazienti con disturbo bipolare". Title of the presentation: "Predizione della risposta al litio: input dalla multiomica".
- February 2025*
Rome Symposium speaker at the SOPSI 2025 conference. Title of the symposium: "Neuroscienze e psichiatria: personalizzazione e innovazione delle cure attraverso il network di ricerca MNESYS". Title of the presentation: "Predizione della risposta al litio: non solo genomica?".
- January 2025*
Milan Symposium speaker at the SINPF 2025 conference. Title of the symposium: "Prospettive dell'integrazione tra clinica e neurobiologia nel disturbo bipolare". Title of the presentation: "Genomica del disturbo bipolare: opportunità e nuove prospettive".
- September 2024*
Reykjavik Symposium speaker at the ISBD Conference. Title of the symposium: "Analysis of Omic Data to Explore the Biological Signatures of Disease Course and Treatment Outcome in Bipolar Disorder". Title of the presentation: "Multi-Omic Analysis to Identify Peripheral Biomarkers of Lithium Response in Patients with Bipolar Disorder"
- September 2024*
Reykjavik Speaker at the ISBD Conference. Title of the presentation: "Genome-Wide Analyses Identify Novel Risk Loci and Shared Genetic Determinants Between Major Depressive Disorder and Parkinson's Disease"
- September 2024*
Milan Symposium speaker at the ECNP 2024 Conference. Title of the symposium: "Implementing precision psychiatry in clinical practice: what are we waiting for?". Title of the presentation: "The impact of sex and gender differences in precision psychiatry"
- June 2024*
Istanbul Symposium speaker at the 2024 WFSBP Conference at the symposium "Personalized Treatment of Bipolar Disorder". Title of the presentation: "Multiomics analysis of blood metabolome, gut microbiota and genome-wide methylation to identify biological signatures of response to lithium in Bipolar Disorder"
- May 2024*
Cagliari Invited speaker at Convegno Congiunto SINPIA-SINPF. Title of the presentation: "Farmacologia di genere"
- May 2024*
Cagliari Invited speaker at the Standalone meeting of the ECNP Bipolar Disorders Network. Title of the presentation: "Genome-wide whole blood DNA methylation analysis in patients with bipolar disorder characterized for lithium response"
- April 2024*
Cagliari Speaker at Convegno Monotematico SIF Farmacogenetica. Title of the presentation: "Genome-wide whole blood DNA methylation analysis in patients with bipolar disorder characterized for lithium response"
- February 2024*
Online mode Invited speaker for the course and webinar "C4C short course: issues experienced in adolescent clinical trials". Title of the presentation: "Sex differences in clinical trials"
- December 2023*
Tokyo Invited speaker at the Unit of Drug Informatics, Keio University (Tokyo). Title of the presentation: "Adverse events associated with esketamine: a disproportionality analysis of spontaneous reports through the FDA Adverse Event Reporting System"
- November 2023*
Tokyo Invited speaker at the Unit of Drug Informatics, Keio University (Tokyo). Title of the presentation: "Association between migraine prevalence, treatment with proton-pump inhibitors and CYP2C19 phenotypes in the UK Biobank"

- September 2023
Torino
Symposium speaker at the 20th SINS National Congress. Title of the presentation: "Advancing research on psychiatric disorders through multi-omic approaches and pleiotropic analyses applied to genomic data"
- July 2022
Porto
Speaker at "IFCS 2022". Title of the presentation: "Identification of shared genetic loci between psychiatric disorders and telomere length and evaluation of their role as potential drug targets"
- April 29 2021
Virtual mode
Symposium speaker at the "Society of Biological Psychiatry (SOPB) Conference". Title of the presentation: "Involvement of microRNAs in Lithium Response in Patients with Bipolar Disorder and Related Phenotypes"
- October 20 2020
Virtual mode
Speaker at "World Congress of Psychiatric Genetics (WCPG) 2020". Title of the presentation: "Investigation of Potential Druggable Genes Shared Between Bipolar Disorder and Risk-Taking Propensity"
- October 16 2020
Virtual mode
Invited Speaker at "World Congress of Psychiatric Genetics (WCPG) 2020, Education Day". Title of the presentation: "Biostatistical Approaches Applied to Lithium Pharmacogenomics"
- December 17 2019
Edinburgh
Invited Speaker at the "Pharmacology 2019, British Pharmacological Society Conference". Title of the presentation: "PharmacoloGenius: development of a mobile application to engage in pharmacology"
- November 23 2019
Florence
Speaker at the "National Conference of Società Italiana di Farmacologia (SIF)". Title of the presentation: "Bioinformatics approaches to identify functionally relevant genetic variants: application to the pharmacogenomics of lithium response in bipolar disorder"
- October 4 2019
Naples
Speaker at the "Società Italiana di Psichiatria Biologica (SIPB) conference". Title of the presentation: "The bidirectional relationship between molecular markers of aging and clinical course and treatment outcome in bipolar disorder and schizophrenia"
- February 28 2019
Cagliari
Speaker at the conference "Progetto I Lincei per una nuova didattica nella scuola". Title of the presentation: "La farmacogenetica come strumento di prevenzione e personalizzazione delle terapie"
- June 30 2017
Cagliari
Speaker at the "FederDolore-SICD Conference". Title of the presentation: "Utilizzo degli oppioidi e differenze di genere"
- June 26 and September 25
2014
Cagliari
Speaker at the CME accredited course "Clinical Psychopharmacology for nurses, third edition",. Title of the presentation: "Meccanismo d'azione degli antiepilettici e del litio"
- June 20 2014
Cagliari
Speaker at the CME course "Cefalea: orientamenti pratici per il medico". Title of the presentation: "Cefalea da abuso di farmaci"
- June 4 2014
Turin
Speaker at the "15th Società Italiana di Neuropsicofarmacologia (SINPF) Conference". Title of the presentation: "Target molecolari dei sali di litio: pathway coinvolte nella neuroprotezione"
- September 26 2012
Cagliari
Speaker at the CME accredited course "Clinical Psychopharmacology for nurses, second edition",. Title of the presentation: "Meccanismo d'azione degli antidepressivi e degli antipsicotici"

International research groups

- 2021 - Present
Member of the Pharmacogenomics and Transcriptomics Network of the European College of Neuropsychopharmacology (ECNP). This international collaboration is aimed at investigating genetic determinants of response to psychotropic drugs in patients with psychiatric disorders
- 2018 - Present
Member of the International Consortium on Lithium Genetics, an international collaboration aimed at investigating genetic determinants of lithium response

Participation in committees of scientific journals

- 2022 – Present Editorial Board Member for: Brain Research
- 2020 – Present Review editor for Pharmaceuticals, Frontiers in Pharmacology, Frontiers in Genetics, Frontiers in Neuroscience, Frontiers in Neurology, Frontiers in Psychiatry

Funded projects

- 2025 - 2027 Title of the project Investigating the interplay between mitochondrial function and inflammation to identify biosignatures of bipolar disorder and of response to long-term lithium treatment . Call: Fondazione di Sardegna 2023. Role: PI
- 2023 - 2025 Title of the project: EXosome MicroRNA ProfiLing to identify biosignatures of mood disorders and treAtment Response (EXEMPLAR). Call: Progetti di Rilevante Interesse Nazionale (Italian National Call PRIN). Role: PI
- 2023 - 2025 Title of the project: Biomarkers identification and their interplay investigation in individuals with Parkinson's Disease and new insights on the diagnostic and prognostic value of biomarkers explored by Machine Learning. Call: Start-up Projects funded by University of Cagliari. Role: Unit coordinator
- 2024 Title of the project: Investigating clinical and genetic determinants underlying the Stevens-Johnson syndrome and other severe adverse drug reactions. Call: Mobilità Giovani Ricercatori *MGR2024* funded by University of Cagliari and Sardinia Autonomous Region. Role: PI
- 2023 Title of the project: Development of clinical models for the prediction of adverse drug reactions: evaluation of gender differences and other demographic or clinical characteristics to identify susceptible subgroups of patients. Call: Mobilità Giovani Ricercatori *MGR2023* funded by University of Cagliari and Sardinia Autonomous Region. Role: PI
- 2022 - 2027 Title of the project: Psych-STRATA - A Stratified Treatment Algorithm in Psychiatry: A program on stratified pharmacogenomics in severe mental illness. Funding Source: Horizon Europe Programme. Call: HORIZON-HLTH-2021-STAYHLTH-01 (Staying Healthy (2021)). Role: Collaborator.
- 2021 - 2024 Title of the project: The clock is ticking on schizophrenia: a translational study integrating phenotypic, genomic, microbiome and biomolecular data to overcome disability. Funding source: Ministero della Salute, Bando Ricerca Finalizzata. Call: 2019. Role: Unit coordinator
- 2021 - 2024 Title of the project: Toward PrecisiOn Medicine for the Prediction of Treatment response in major depressive disorder through stratification of combined clinical and -omics signatures. Funding source: ERAPerMeD grant, ERA-Net and European Commission Cofund. Call: 2020. Role: Collaborator
- 2020 - 2023 Title of the project: Multi-omic approach and integration of blood and fecal metabolomic data with gut microbiota to identify biological signatures of response to mood stabilizers in bipolar disorder. Funding source: Fondazione di Sardegna. Call: 2019. Role: Collaborator
- 2019 - 2021 Title of the project: Pharmacogenetic study on response to antidepressant treatment: characterization of CYP2D6/CYP2C19-based metabolizing properties in patients with major depressive disorder and economic impact of a pharmacogenetic test. Funding source: Regione Autonoma della Sardegna, L.R. 7/2007. Call: 2017 – DGR 28/21 del 17.05.2015. Role: Collaborator

- 2018 - 2019 Title of the project: PharmacoloGenius: development of a mobile application to spread pharmacology knowledge. Funding source: British Pharmacological Society. Role: PI
- 2017 - 2019 Title of the project: Multidisciplinary approach to mental illness: do inflammation and telomere length form a loop? Funding source: Fondazione di Sardegna and Regione Autonoma della Sardegna, L.R. 7/2007. Call: 2016 – DGR 28/21 del 17.05.2015. Role: Collaborator
- 2015 - 2016 Title of the project: Development of an Android application for study and research in clinical pharmacology. Funding source: British Pharmacological Society. Call: Teaching Grant. Role: PI

Awards

- 2023 Vogt prize for excellence in post-graduate studies. Awarded by British Pharmacological Society (BPS)
- 2021 Award SIF-Farmindustria per ricerche in campo farmacologico
- 2021 Premio per giovani ricercatori/ricercatrici impegnati/e in progetti riguardanti le differenze di sesso/genere nell'efficacia e nella sicurezza dei farmaci del Centro Studi Nazionale su Salute e Medicina di Genere
- 2021 Award, IUPHAR poster competition, Società Italiana di Farmacologia
- 2021 Award, Best oral communication, Società Italiana di Farmacologia
- 2019 Award, Early Investigator Career Program, International Society of Psychiatric Genetics
- 2019 Fellowship Fondazione Umberto Veronesi
- 2019 Travel grant British Pharmacological Society to attend to Pharmacology 2019 Edinburgh (UK, December 2019)
- 2018 Fellowship GlobusDOC, University of Cagliari
- 2017 Award for contribution to SIF Farmacogenetica, Società Italiana di Farmacologia
- 2016 Award for contribution to SIF Farmacogenetica, Società Italiana di Farmacologia
- 2015 EMBL Corporate Partnership Programme Fellowship to attend to the course "Statistical Bioinformatics using R and Bioconductor" (Heidelberg, August 2015)
- 2015 BPS Bain Memorial Bursary Fund to attend to Pharmacology 2015 (London, November 2015)
- 2015 Fellowship, Erasmus PlaceDOC, University of Cagliari
- 2014 Travel grant to participate to the First Insubria International School in Methodology, Ethics and Integrity in biomedical research (Varese, November 2014)
- 2013 Fellowship to obtain the "Evidence based practice" certification, GIMBE
- 2013 Selected to attend Novartis Biotechnology Leadership Camp, Novartis

Selected public engagement activities

- 2022-2023 Representation of the University of Cagliari at the championship "Sumo Science", in the framework of the Sharper project
- 2021-2023 Contribution to third mission activities in the framework of the projects Sharper and Festival Scienza

- Oral presentation during the event "Sharper Night". Cagliari, September 29, 2023
- Oral presentation during the event "Farmaci tra ricerca e falsi miti". Monserrato, September 13, 2021
- Contribution to the organization of the event "Scienza e Fake News". Cagliari, September 24, 2021
- Oral presentation during the event "Festival Scienza". Senorbi, November 24, 2021

PUBLICATIONS

1. Paribello P, Isayeva U, **Pisanu C**, Squassina A, Manchia M. Pharmacogenomics and response to lithium in bipolar disorder. *Pharmacogenomics*. 2024;25(16-18):689-706. doi: 10.1080/14622416.2025.2470605.
2. Squassina A, Paribello P, Pinna M, Contu M, **Pisanu C**, Congiu D, Severino G, Meloni A, Carta A, Conversano C, Mola F, Del Zompo M, d'Aversa FB, Minelli A, Gennarelli M, Pinna F, Carpiniello B, Manchia M. A naturalistic retrospective evaluation of the utility of pharmacogenetic testing based on CYP2D6 and CYP2C19 profiling in antidepressants treatment in a cohort of patients with major depressive disorder. *Prog Neuropsychopharmacol Biol Psychiatry*. 2025;137:111292. doi: 10.1016/j.pnpbp.2025.111292.
3. O'Connell KS, Koromina M, van der Veen T, ... **Pisanu C**, ... Di Florio A, Ophoff RA, Andreassen OA; Bipolar Disorder Working Group of the Psychiatric Genomics Consortium. Genomics yields biological and phenotypic insights into bipolar disorder. *Nature*. 2025;639(8056):968-975. doi: 10.1038/s41586-024-08468-9.
4. Baune BT, Fromme SE, Aberg M, ... **Pisanu C**, ... Winter-van Rossum I, Young AH, Ziller MJ. A stratified treatment algorithm in psychiatry: a program on stratified pharmacogenomics in severe mental illness (Psych-STRATA): concept, objectives and methodologies of a multidisciplinary project funded by Horizon Europe. *Eur Arch Psychiatry Clin Neurosci*. 2024. doi: 10.1007/s00406-024-01944-3.
5. Meloni A, Paribello P, Pinna M, Contu M, Ardaù R, Chillotti C, Congiu D, Gennarelli M, Minelli A, Buson L, Severino G, **Pisanu C**, Manchia M, Squassina A. Mitochondrial DNA copy number is significantly increased in bipolar disorder patients and is correlated with long-term lithium treatment. *Eur Neuropsychopharmacol*. 2025 Feb;91:37-44. doi: 10.1016/j.euroneuro.2024.10.012.
6. Isayeva U, Paribello P, Ginelli E, **Pisanu C**, Comai S, Carpiniello B, Squassina A, Manchia M. Genomics and pharmacogenomics of cluster headache: implications for personalized management? A systematic review. *Psychiatr Genet*. 2025;35(1):1-11. doi: 10.1097/YPG.0000000000000380. Epub 2024.
7. Mercuriali G, Lodde L, Paribello P, Sapienza J, Corona A, Ave C, Pacini D, Nocera D, Corrias C, El Kacemi S, D'Incalci M, Frau I, Monzani E, Valtorta F, Congiu D, Meloni A, Scherma M, Fadda P, Dedoni S, Siddi C, Sut S, Dall'Acqua S, Nasini S, Barzon B, Squassina A, Cavallaro R, Manchia M, **Pisanu C**, Bosia M, Comai S. The clock is ticking on schizophrenia: a study protocol for a translational study integrating phenotypic, genomic, microbiome

- and biomolecular data to overcome disability. *Front Psychiatry*. 2024;15:1451678. doi:10.3389/fpsy.2024.1451678.
8. Van Assche E, Hohoff C, Su Atil E, Wissing SM, Serretti A, Fabbri C, **Pisanu C**, Squassina A, Minelli A; European College of Neuropsychopharmacology (ECNP) Pharmacogenomics & Transcriptomics Network; Baune BT. Exploring the use of immunomethylomics in the characterization of depressed patients: A proof-of- concept study. *Brain Behav Immun*. 2025;123:597-605. doi:10.1016/j.bbi.2024.09.026.
 9. Zammarchi, G., **Pisanu, C**. Identification of genes shared between sedentary behaviour and inflammation: a bivariate genetic correlation analysis. *Comput Stat* (2024). <https://doi.org/10.1007/s00180-024-01551-9>
 10. **Pisanu C**, Congiu D, Meloni A, Paribello P, Severino G, Arda R, Chillotti C, Als TD, Børglum AD, Del Zompo M, Manchia M, Squassina A. Sex differences in shared genetic determinants between severe mental disorders and metabolic traits. *Psychiatry Res*. 2024;342:116195. doi: 10.1016/j.psychres.2024.116195.
 11. Cocco C, Noli B, Manconi B, Contini C, Manca E, **Pisanu C**, Meloni A, Manchia M, Paribello P, Chillotti C, Arda R, Severino G, Squassina A. Lower Plasma Levels of Selective VGF (Non-Acronymic) Peptides in Bipolar Disorder: Comparative Analysis Reveals Distinct Patterns across Mood Disorders and Healthy Controls. *Neuropsychobiology*. 2024 Sep 6:1-10. doi: 10.1159/000540673.
 12. Squassina A, **Pisanu C**, Menesello V, Meloni A, Congiu D, Manchia M, Paribello P, Abate M, Bortolomasi M, Baune BT, Gennarelli M, Minelli A. Leukocyte Telomere Length and Mitochondrial DNA Copy Number in Treatment-Resistant Depression and Response to Electroconvulsive Therapy: A Pilot Longitudinal Study. *J ECT*. 2024 Aug 21. doi: 10.1097/YCT.0000000000001060.
 13. Paribello P, Manchia M, Isayeva U, Upali M, Orrù D, Pinna F, Collu R, Primavera D, Deriu L, Caboni E, Iaselli MN, Sundas D, Tusconi M, Scherma M, **Pisanu C**, Meloni A, Zai CC, Congiu D, Squassina A, Fratta W, Fadda P, Carpiello B. A Secondary Analysis of the Complex Interplay between Psychopathology, Cognitive Functions, Brain Derived Neurotrophic Factor Levels, and Suicide in Psychotic Disorders: Data from a 2-Year Longitudinal Study. *Int J Mol Sci*. 2024 Jul 19;25(14):7922. doi: 10.3390/ijms25147922.
 14. Manchia M, Paribello P, Pinna M, Steardo L Jr, Carpiello B, Pinna F, **Pisanu C**, Squassina A, Hajek T. Lithium and its effects: does dose matter? *Int J Bipolar Disord*. 2024 Jun 24;12(1):23. doi: 10.1186/s40345-024-00345-8.
 15. Manchia M, Paribello P, Pinna M, Steardo L Jr, Carpiello B, Pinna F, **Pisanu C**, Squassina A, Hajek T. Lithium and its effects: does dose matter? *Int J Bipolar Disord*. 2024 Jun 24;12(1):23. doi: 10.1186/s40345-024-00345-8.
 16. **Pisanu C**, Congiu D, Meloni A, Paribello P, Patrinos GP, Severino G, Arda R, Chillotti C, Manchia M, Squassina A. Dissecting the genetic overlap between severe mental disorders and markers of cellular aging: Identification of pleiotropic genes and druggable targets. *Neuropsychopharmacology*. 2024;49(6):1033-1041. doi: 10.1038/s41386-024-01822-5.

17. Herrera-Rivero M, Adli M, Akiyama K ... **Pisanu C** ... Rietschel M, Schulze TG, Baune BT. Exploring the genetics of lithium response in bipolar disorders. *Int J Bipolar Disord.* 2024 Jun 12;12(1):20. doi: 10.1186/s40345-024-00341-y.
18. Herrera-Rivero M, Gutiérrez-Fragoso K; **International Consortium on Lithium Genetics (ConLi+Gen)**; Kurtz J, Baune BT. Immunogenetics of lithium response and psychiatric phenotypes in patients with bipolar disorder. *Transl Psychiatry.* 2024 Apr 3;14(1):174. doi: 10.1038/s41398-024-02865-4.
19. Isayeva U, Manchia M, Collu R, Primavera D, Deriu L, Caboni E, Iaselli NM, Sundas D, Tusconi M, Pinna F, Paribello P, Scherma M, **Pisanu C**, Meloni A, Zai CC, Congiu D, Squassina A, Fratta W, Fadda P, Carpiniello B. Symptomatic remission and recovery in major psychosis: Is there a role for BDNF? A secondary analysis of the LABSP cohort data. *Schizophr Res.* 2024 Apr;266:197-204. doi: 10.1016/j.schres.2024.02.019.
20. Ou AH, Rosenthal SB, Adli M ... **Pisanu C** ... Young LT, Zandi PP, Kelsoe JR. Lithium response in bipolar disorder is associated with focal adhesion and PI3K-Akt networks: a multi-omics replication study. *Transl Psychiatry.* 2024 Feb 23;14(1):109. doi: 10.1038/s41398-024-02811-4.
21. Baune BT, Minelli A, Carpiniello B ... **Pisanu C** ... Rybakowski F, Sanz F, Dierssen M. An integrated precision medicine approach in major depressive disorder: a study protocol to create a new algorithm for the prediction of treatment response. *Front Psychiatry.* 2024;14:1279688. doi: 10.3389/fpsy.2023.1279688.
22. Herrera-Rivero M, Gutiérrez-Fragoso K; **International Consortium on Lithium Genetics (ConLi+Gen)**; Kurtz J, Baune BT. Immunogenetics of lithium response and psychiatric phenotypes in patients with bipolar disorder. *Transl Psychiatry.* 2024 Apr 3;14(1):174. doi: 10.1038/s41398-024-02865-4.
23. Manchia M, Paribello P, **Pisanu C**, Congiu D, Antoniadou A, Vogazianos P, Tozzi F, Pinna F, Aristodimou A, Caria P, Dettori T, Frau DV, Cocco C, Noli B, Panebianco C, Paziienza V, Carpiniello B, Squassina A. A Pilot Interaction Analysis of Gut Microbiota and Peripheral Markers of Aging in Severe Psychiatric Disorders: A Role for Lachnospirillum? *Int J Mol Sci.* 2023 Dec 18;24(24):17618. doi: 10.3390/ijms242417618.
24. Tassan Mazzocco M*, **Pisanu C***, Russo L, Acconcia C, Cambiaghi M, De Girolamo S, Squassina A, Cherchi L, Monzani E, Scebba F, Angeloni D, De Gregorio D, Nasini S, Dall'Acqua S, Sut S, Suprani F, Garzilli M, Guiso B, Pulcinelli V, Iaselli MN, Pinna I, Somaini G, Arru L, Corrias C, Paribello P, Pinna F, Gobbi G, Valtorta F, Carpiniello B, Manchia M, Comai S. Melatonin MT1 receptors as a target for the psychopharmacology of bipolar disorder: A translational study. *Pharmacol Res.* 2023 Dec;198:106993. doi: 10.1016/j.phrs.2023.106993. ***Equal contribution**
25. Amare AT, Thalamuthu A, Schubert KO ... **Pisanu C** ... Schulze TG, Clark SR, Baune BT. Association of polygenic score and the involvement of cholinergic and glutamatergic pathways with lithium treatment response in patients with bipolar disorder. *Mol Psychiatry.* 2023 Jul 11. doi: 10.1038/s41380-023-02149-1.
26. **Pisanu C**, Squassina A. RNA Biomarkers in Bipolar Disorder and Response to Mood Stabilizers. *Int J Mol Sci.* 2023 Jun 13;24(12):10067. doi: 10.3390/ijms241210067.

27. Zai CC, Squassina A, Tiwari AK, **Pisanu C**, Pinna M, Pinna F, Meloni A, Paribello P, Carpiniello B, Tondo L, Frye MA, Biernacka JM, Coombes BJ, Kennedy JL, Manchia M. A genome-wide association study of antidepressant-induced mania. *Prog Neuropsychopharmacol Biol Psychiatry*. 2023 Dec 20;127:110800. doi: 10.1016/j.pnpbp.2023.110800.
28. Paribello P, Squassina A, **Pisanu C**, Meloni A, Dall'Acqua S, Sut S, Nasini S, Bertazzo A, Congiu D, Garzilli M, Guiso B, Suprani F, Pulcinelli V, Iaselli MN, Pinna I, Somaini G, Arru L, Corrias C, Pinna F, Carpiniello B, Comai S, Manchia M. Probing the Association between Cognition, Suicidal Behavior and Tryptophan Metabolism in a Sample of Individuals Living with Bipolar Disorder: A Secondary Analysis. *Brain Sci*. 2023 Apr 20;13(4):693. doi: 10.3390/brainsci13040693.
29. Paribello P, Manchia M, Pinna F, Isayeva U, Squassina A, **Pisanu C**, Balderi L, Contu M, Pinna M, Carpiniello B. Pharmacokinetic Markers of Clinical Outcomes in Severe Mental Illness: A Systematic Review. *Int J Mol Sci*. 2023 Mar 1;24(5):4776. doi: 10.3390/ijms24054776.
30. **Pisanu C**, Squassina A, Paribello P, Dall'Acqua S, Sut S, Nasini S, Bertazzo A, Congiu D, Meloni A, Garzilli M, Guiso B, Suprani F, Pulcinelli V, Iaselli MN, Pinna I, Somaini G, Arru L, Corrias C, Pinna F, Carpiniello B, Comai S, Manchia M. Investigation of Genetic Variants Associated with Tryptophan Metabolite Levels via Serotonin and Kynurenine Pathways in Patients with Bipolar Disorder. *Metabolites*. 2022 Nov 17;12(11):1127. doi: 10.3390/metabo12111127.
31. Sathyanarayanan A, Mueller TT, Ali Moni M, Schueler K, Baune BT, Lio P, Mehta D; European College of Neuropsychopharmacology (ECNP) Pharmacogenomics & Transcriptomics Network; Baune BT, Dierssen M, Ebert B, Fabbri C, Fusar-Poli P, Gennarelli M, Harmer C, Howes OD, Janzing JGE, Lio P, Maron E, Mehta D, Minelli A, Nonell L, **Pisanu C**, Potier MC, Rybakowski F, Serretti A, Squassina A, Stacey D, van Westrhenen R, Xicota L. Multi-omics data integration methods and their applications in psychiatric disorders. *Eur Neuropsychopharmacol*. 2023 Jan 25;69:26-46. doi: 10.1016/j.euroneuro.2023.01.001.
32. Manchia M, Isayeva U, Collu R, Primavera D, Deriu L, Caboni E, Iaselli MN, Sundas D, Tusconi M, Pinna F, Paribello P, Scherma M, **Pisanu C**, Meloni A, Zai CC, Congiu D, Squassina A, Fratta W, Fadda P, Carpiniello B. Converging Evidence Points to BDNF as Biomarker of Depressive Symptoms in Schizophrenia-Spectrum Disorders. *Brain Sci*. 2022 Dec 4;12(12):1666. doi: 10.3390/brainsci12121666.
33. Coombes BJ, Millischer V, Batzler A ... **Pisanu C** ... Schulze TG, McMahon FJ, Biernacka JM. Association of Attention-Deficit/Hyperactivity Disorder and Depression Polygenic Scores with Lithium Response: A Consortium for Lithium Genetics Study. *Complex Psychiatry*. 2021 Dec;7(3-4):80-89. doi: 10.1159/000519707.
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Cagliari, April 14 2025