

Luca Pani, MD

CURRICULUM VITAE

1. Data: 20 giugno 2026

I. Dati personali

2. Nome: Luca Pani

3. Telefono abitazione:

4. Telefono ufficio:

5. Indirizzo abitazione:

6. Qualifica accademica attuale: Professore ordinario sia negli Stati Uniti sia in Italia

6A. Percorso attuale della nomina negli Stati Uniti: Clinical Educator Track

6B. Percorso attuale della nomina in Italia: Tenured Clinical Educator Track

7. Dipartimento principale: Dipartimento di Psichiatria e Scienze Comportamentali, University of Miami, Miami, USA

8. Incarico congiunto: Professore ordinario Farmacologia e Tossicologia Clinica, Università di Modena e Reggio Emilia, Facoltà di Medicina, Modena, Italia

9. Cittadinanza: americana e italiana

10. Tipo di visto: N/D

II. Formazione superiore

11. Istituzionale:

1990-1991 University of Illinois at Chicago, USA - Fellowship post-dottorale in Biologia Molecolare

1985-1989 Università di Napoli, Italia - Specializzazione in Psichiatria

1979-1985 Università di Cagliari, Italia - Laurea in Medicina e Chirurgia

12. Non istituzionale:

13. Certificazioni e abilitazioni:

Specializzazione in Psichiatria, Napoli - Italia, luglio 1989

Abilitazione all'esercizio della Medicina, Cagliari - Italia, dicembre 1985

III. Esperienza

14. Accademica

2023-presente Direttore medico dei corsi ECM, Dipartimento di Psichiatria e Scienze Comportamentali, University of Miami - M. Miller School of Medicine, Miami, USA

2018-presente Professore ordinario di Farmacologia e Tossicologia Clinica, Dipartimento di Scienze Biomediche, Metaboliche e Neuroscienze, Università di Modena e Reggio Emilia, Modena, Italia

2018-presente Direttore del Master di I livello su "From Prevention to Clinical Skills in Alcohol Abuse related issues", Università di Modena e Reggio Emilia, Modena, Italia

2017-presente Professore ordinario di Psichiatria Clinica, Educator Track, Dipartimento di Psichiatria e Scienze Comportamentali, University of Miami - M. Miller School of Medicine, Miami, USA

2011-2017 Professore volontario, Dipartimento di Psichiatria e Scienze Comportamentali, University of Miami - M. Miller School of Medicine

2007-2017 Professore incaricato, corsi di Psicofarmacologia, Scuola di Specializzazione in Psichiatria, Facoltà di Medicina, Università di Cagliari, Italia

2001-2018 Dirigente di ricerca, Consiglio Nazionale delle Ricerche (CNR) - Roma, Italia

1999-2001 Primo ricercatore, Consiglio Nazionale delle Ricerche (CNR) - Roma, Italia

1995-1999 Ricercatore, Consiglio Nazionale delle Ricerche (CNR) - Roma, Italia

1992-1994 Assistant Professor in Biologia Molecolare e Farmacologia, Georgetown University, Washington DC, USA

15. Incarichi ospedalieri:

1990-2010 Psichiatra responsabile, Centro San Michele, Cagliari, Italia, istituzione privata

1988-1989 Assistente medico (di ruolo). Ospedale Psichiatrico Pubblico "Villa Clara". Cagliari, Italia

1985-1988 Specializzando in Psichiatria, Centro Lucio Bini, Roma, Italia, istituzione privata

16. Non accademica:

2026-2028: Presidente, International Scientists & Scholars in North America Foundation (ISSNAF)

2026-2028: Immediate Past-President, International Society for Clinical Trials Methodology (ISCTM)

2025-in corso Consulente scientifico e regolatorio principale, RAIN Scientific, USA

2024-2026: Presidente, International Society for Clinical Trials Methodology

2023-in corso Chief Advisor, Relmada Therapeutics, USA

2022-in corso Chief Innovation and Regulatory Officer, NetraMark, Canada

2022-in corso Membro della ISPOR Value-Based Healthcare Special Task Force

2021-2023 Chief Clinical Operations and Strategic Development, Relmada Therapeutics, USA

2020-in corso Membro del Comitato Programma ASCP American Society for Clinical Psychopharmacology

2020-in corso: Membro del Comitato Esecutivo, International Society for Clinical Trials Methodology

2018-2022 VP per Strategia Regolatoria e Innovazione nell'Accesso al Mercato, VeraSci, Durham, NC, USA

2017-2018 Executive Director for Global Medical Innovation, NeuroCogTrial (oggi VeraSci), Durham, NC, USA

2017-2021 Chief Scientific Officer - Inpeco Automation Healthcare Company, Lugano, Svizzera

2017-presente Chief Scientific Officer - EDRA-LSWR Publishing Company, Milano, Italia

2011-2016 Direttore generale, Agenzia Italiana del Farmaco (AIFA), Roma, Italia

2013-2016 Presidente dello European Union Management Board Telematic Committee (EUMBTC) della European Medicines Agency (EMA), Londra, UK

2016-2017 Presidente dell'EMA EU Network Pharmacovigilance Oversight Group, Londra, UK

2011-2016 Membro del Management Board della European Medicines Agency (EMA), Londra, UK

2010-2017 Membro permanente italiano del Committee for Human Medicine Products (CHMP), European Medicines Agency (EMA), Londra, UK

2010-2017 Membro dello Scientific Advice Working Party (SAWP), European Medicines Agency (EMA), Londra, UK

2010-2017 Membro e successivamente Partecipante del Working Group on Central Nervous System (WG-CNS), European Medicines Agency (EMA), Londra, UK

2015-2016 Membro del Management Group Heads of Medicines Agencies (HMA)

2013-2016 Presidente dello European Risk Management Strategy Facilitation Group (ERMS-FG) della European Medicines Agency (EMA), Londra, UK

2009-2011 Membro, Comitato per le Neuroscienze Cliniche, Agenzia Italiana del Farmaco (AIFA)

2009-2011 Responsabile della ricerca dell'Istituto di Farmacologia Traslazionale del Consiglio Nazionale delle Ricerche (CNR - ITP), Pula-Cagliari, Italia

2008-2010 Consulente, 3PS Media Ltd

2008-2011 Fondatore e membro permanente del Comitato Scientifico di Fase 1, la prima Contract Research Organization a base governativa (Regione Autonoma della Sardegna) dedicata agli studi di Fase 1

2006-2010 Responsabile della Sezione di Neurofarmacologia Pula-Cagliari, Istituto di Tecnologie Biomediche, Milano, Consiglio Nazionale delle Ricerche (CNR)

2001-2018 Dirigente di ricerca, CNR. Cagliari-Roma

2002-2010 Presidente, Pharmaness Neuroscienze (membro del Consiglio di Amministrazione).

2004-2009 Presidente, Proteios Srl

2005-2008 Presidente, ProKemia Consorzio

1999-2002 CEO, Pharmaness Neuroscienze Consortium

17. Servizio militare: 1986-1988, Tenente medico della Marina Militare Italiana. Comandante del Presidio di Medicina Generale del Sud Sardegna, Cagliari, Italia

IV. Pubblicazioni

Bibliografia di Luca Pani: <https://pubmed.ncbi.nlm.nih.gov/?term=pani+l.&sort=date>

1. Thase ME, Brennan B, MacIsaac R, Pani L, Valcheva V, Cubata WJ. GH001 Efficacy is Independent of Prior Antidepressant Treatment Failures in Treatment-Resistant Depression: A Post Hoc Analysis of a Phase 2b Randomized Controlled Trial. *Psychopharmacol Bull.* 2026 Jun 5;56(3):8-21. doi: 10.64719/pb.18507. PMID: 42267234. Clinical Trial.
2. Iannone LF, Romozzi M, Pani L, Tascetta F. Darigabat and subtype-selective GABA-A modulation: pharmacology, clinical development, and translational challenges. *Expert Opin Investig Drugs.* 2026 Jun 16:1-14. doi: 10.1080/13543784.2026.2687030. Online ahead of print. PMID: 42252536. Review.
3. Karlsen TH, Hutchinson SJ, Zelber-Sagi S, Carrieri P, Negro F, Lim AG, Cecchini M, Dirac MA, Murray F, Engebretsen E, Duffell E, Schomerus G, Voigt K, Brandtzaeg PB, Lerouge A, Kanavos P, Pani L, Razavi-Shearer D, Eshete MT, Vuik S, Leonhard A, McNaughton AL, Yumuk V, Ivancovsky-Wajcman D, Letourneau ID, Hickman M, Han H, Kautz A, Fabrellas N, Spann AL, Berg T, Ratzu V, Gheorghe LS, Mathurin P, Vickerman P, Shawcross DL, Paradis C, Razavi H, Naveira MCM, Buti M, Ginès P, Newsome PN, Berzigotti A, Guha N, Rutter H, Krag A, Burra P, Manns MP. Implementing sustainable liver health in Europe: a second EASL-Lancet Commission. *Lancet.* 2026 May 9;407(10541):1825-1890. doi: 10.1016/S0140-6736(26)00138-8. Epub 2026 Apr 29. PMID: 42068985. Review.
4. Lewis F, Renzetti S, Goulett N, Azmoun S, Sundar V, Ali M, Pitta L, Shoieb D, Caci M, Borghesi S, Covolo L, Oppini M, Gelatti U, Padovani A, Pilotto A, Pepe F, Turla M, Crippa P, Boffetta P, Pani L, Vermeulen R, Kromhout H, Lambertini L, Colicino E, Placidi D, Lucchini R. LIFETIME JEM-DERIVED OCCUPATIONAL EXPOSURE BURDEN AND ODDS OF PARKINSON'S DISEASE AND PARKINSONISM IN A MATCHED CASE-CONTROL STUDY. *medRxiv [Preprint].* 2026 Apr 14:2026.03.16.26348171. doi: 10.64898/2026.03.16.26348171. PMID: 42064924. Preprint.
5. Romozzi M, Palermo M, Scuteri D, Signorelli F, Romozzi P, Pani L, Tascetta F, Di Tella S, Vollono C, Calabresi P, Tosto F, Iannone LF. Awareness, attitudes, and clinical practices related to medication-overuse headache among Italian pharmacists: results from a cross-sectional survey. *J Headache Pain.* 2026 Apr 28;27(1):134. doi: 10.1186/s10194-026-02376-1. PMID: 42045999. Free PMC article.
6. Geraci J, Viirre E, Qorri B, Pani L. Psychedelics and the quantum brain: a falsifiable hypothesis on Posner molecules and spin-dependent pharmacology. *Front Pharmacol.* 2026 Mar 31;17:1777613. doi: 10.3389/fphar.2026.1777613. eCollection 2026. PMID: 41988526. Free PMC article.
7. Magaraggia I, Di Cesare F, Alonso J, Edgar CJ, Heckman P, Engler J, Domingo SZ, Pani L, Schreiber R. Application of the research domain criteria in early-phase clinical development of transdiagnostic neurotherapeutics: A multidisciplinary perspective. *Neurosci Appl.* 2026 Mar 7;5:106996. doi: 10.1016/j.nsa.2026.106996. eCollection 2026. PMID: 41958844. Free PMC article. Review.
8. Grueger J, Lainé E, Goncalves FN, Middelhoven H, Padula WV, Etges AP, Steuten L; ISPOR Value-Based Healthcare Implementation Special Task Force. Applying Health Economics and Outcomes Research Methods in Value-Based Healthcare Implementation: An ISPOR Special Task Force Report. *Value Health.* 2026 Mar 12:S1098-3015(26)00095-1. doi: 10.1016/j.jval.2026.02.014. Online ahead of print. PMID: 41831684. Review.

9. Guidetti C, Papakostas GI, Stahl S, Pani L, De Martin S, Mattarei A, Comai S, Kröger C, Champasa P, Gorodetzky CW, Vocci FJ, Kosten TR, Bushnell D, Kappler M, Folli F, Inturrisi CE, Pappagallo M, Manfredi PL, Fava M. Depression severity and efficacy outcomes: post hoc analyses from a phase 3 trial of esmethadone for the adjunctive treatment of major depressive disorder with inadequate response to standard antidepressants. *Int Clin Psychopharmacol.* 2026 Jul 1;41(4):213-224. doi: 10.1097/YIC.0000000000000618. Epub 2026 Feb 17. PMID: 41749468. Clinical Trial.
10. Blom JMC, Staunton C, Tascadda S, Slabbert N, Pani L, Labuschaigne M. Embedding equity in clinical research governance. *Nat Med.* 2026 Apr;32(4):1185-1187. doi: 10.1038/s41591-026-04232-w. PMID: 41688567.
11. Geraci J, Qorri B, Tsay M, Cumbaa C, Leonczyk P, Alphas L, Ballard ED, Zarate CA Jr, Pani L. Explainable AI-driven precision clinical trial enrichment: demonstration of the NetraAI platform with a phase II depression trial. *NPJ Digit Med.* 2025 Dec 8;8(1):749. (IF) 15.1
12. Guidetti C, Papakostas GI, Pani L, De Martin S, Serra G, Apicella M, Kröger C, Champasa P, Comai S, Mattarei A, Folli F, Pappagallo M, Manfredi PL, Fava M. Esmethadone (REL-1017) in Patients With Major Depressive Disorder and Antidepressant Tachyphylaxis: An Exploratory Post Hoc Analysis From a Phase 3 Randomized Controlled Trial. *J Clin Psychiatry.* 2025 Oct 6;86(4):24m15748. (IF) 5.3
13. Lo Castro F, Bonini N, Iannone LF, Boccalini A, Brovia D, Pani L, Boriani G, Guerzoni S. No Increase in Blood Pressure Assessed With the 24-h Holter Monitoring in Patients With Episodic Migraine During Early Treatment With Anti-CGRP Monoclonal Antibodies: A Prospective Observational Study (SAFHYPHER). *Eur J Neurol.* 2025 Sep;32(9):e70351. (IF) 3.9
14. Blom JMC, Rivi V, Tascadda F, Pani L. Building trust in clinical research: a systems approach to ethical engagement and sustainable outcomes. *Front Pharmacol.* 2025 Jul 16;16:1570899. (IF) 4.9
15. Rivi V, Sarti P, Fodor I, Pirger Z, Koene JM, Pani L, Batabyal A, Lukowiak K, Blom JMC, Tascadda F, Benatti C. First evidence of an anxiety-like behavior and its pharmacological modulation in a molluscan model organism, *Lymnaea stagnalis*. *Transl Psychiatry.* 2025 May 22;15(1):177. (IF) 5.8
16. Xiong Z, Guo Z, Zhao L, Qiu D, Mei Y, Li X, Zhang P, Zhang M, Liu G, Gao T; International Consortium for Cluster Headache Genetics; Wang Y, Yu X. Correction: Uncovering drug targets for cluster headache through proteome-wide Mendelian randomization analysis. *J Headache Pain.* 2025 Apr 29;26(1):94. (IF) 7.3
17. Xiong Z, Guo Z, Zhao L, Qiu D, Mei Y, Li X, Zhang P, Zhang M, Liu G, Gao T; International Consortium for Cluster Headache Genetics; Wang Y, Yu X. Uncovering drug targets for cluster headache through proteome-wide Mendelian randomization analysis. *J Headache Pain.* 2025 Mar 20;26(1):57. (IF) 7.3
18. Rivi V, Rigillo G, Alboni S, Koene JM, Pani L, Lukowiak K, Tascadda F, Blom JMC, Benatti C. Unraveling lipopolysaccharide-induced behavioral and molecular effects in *Lymnaea stagnalis*, an emerging model organism for translational neuroscience. *Int Immunopharmacol.* 2025 Apr 16;152:114418. (IF): 4.8
19. Fava M, Pani L, De Martin S, Cutler AJ, Gorodetzky CW, Vocci FJ, Sapienza FL, Kosten TR, Kröger C, Champasa P, Guidetti C, Comai S, Mattarei A, Folli F, Bushnell D, Traversa S, Inturrisi CE, Manfredi PL, Pappagallo M., Long-Term Safety and Efficacy of Esmethadone

- in Patients With Major Depressive Disorder: Findings From a 12-Month Open-Label Study. *J Clin Psychiatry*. 2025 Feb 17;86(1):24m15438. (IF): 5.2
20. Rigillo G, Bains G, Bruni R, Puja G, Miraldi E, Pani L, Tascetta F, Biagi M. Red Yeast Rice or Lovastatin? A Comparative Evaluation of Safety and Efficacy Through a Multifaceted Approach. *Phytother Res*. 2024 Nov 7. (IF) 7.20
 21. Rigillo G, Cappellucci G, Bains G, Vaccaro F, Miraldi E, Pani L, Tascetta F, Bruni R, Biagi M. "Comprehensive Analysis of *Berberis aristata* DC. Bark Extracts: In Vitro and In Silico Evaluation of Bioaccessibility and Safety." *Nutrients*. 2024 Sep 2;16(17):2953. PMID: 39275269 (IF): 6.706
 22. Rivi V, Caruso G, Caraci F, Alboni S, Pani L, Tascetta F, Lukowiak K, Blom JMC, Benatti C. "Behavioral and transcriptional effects of carnosine in the central ring ganglia of the pond snail *Lymnaea stagnalis*." *J Neurosci Res*. 2024 Aug;102(8) PMID: 39078068 (IF): 3.828
 23. Ciani M, Rigillo G, Benatti C, Pani L, Blom JMC, Brunello N, Tascetta F, Alboni S. "Time- and Region-specific Effect of Vortioxetine on Central LPS-induced Transcriptional Regulation of NLRP3 Inflammasome." *Curr Neuropharmacol*. 2024 Jul 12. (IF): 4.568
 24. Jack CR Jr, Andrews SJ, Beach TG, Buracchio T, Dunn B, Graf A, Hansson O, Ho C, Jagust W, McDade E, Molinuevo JL, Okonkwo OC, Pani L, Rafii MS, Scheltens P, Siemers E, Snyder HM, Sperling R, Teunissen CE, Carrillo MC. "Revised criteria for the diagnosis and staging of Alzheimer's disease." *Nat Med*. 2024 Jun 28. doi: 10.1038/s41591-024-02988-7. Online ahead of print. PMID: 38942991. (IF): 53.44.
 25. Jack CR Jr, Andrews JS, Beach TG, Buracchio T, Dunn B, Graf A, Hansson O, Ho C, Jagust W, McDade E, Molinuevo JL, Okonkwo OC, Pani L, Rafii MS, Scheltens P, Siemers E, Snyder HM, Sperling R, Teunissen CE, Carrillo MC. "Revised criteria for diagnosis and staging of Alzheimer's disease: Alzheimer's Association Workgroup." *Alzheimers Dement*. 2024 Jun 27. doi: 10.1002/alz.13859. Online ahead of print. PMID: 38934362. (IF): 17.12.
 26. Rivi V, Rigillo G, Batabyal A, Lukowiak K, Pani L, Tascetta F, Benatti C, Blom JMC. "Different stressors uniquely affect the expression of endocannabinoid-metabolizing enzymes in the central ring ganglia of *Lymnaea stagnalis*." *J Neurochem*. 2024 Jun 22. doi: 10.1111/jnc.16147. Online ahead of print. PMID: 38922726. (IF): 5.02.
 27. Fava M, Stahl SM, Pani L, De Martin S, Cutler AJ, Maletic V, Gorodetzky CW, Vocci FJ, Sapienza FL, Kosten TR, Kröger C, Champasa P, O'Gorman C, Guidetti C, Alimonti A, Comai S, Mattarei A, Folli F, Bushnell D, Traversa S, Inturrisi CE, Manfredi PL, Pappagallo M. "Efficacy and Safety of Esmethadone (REL-1017) in Patients With Major Depressive Disorder and Inadequate Response to Standard Antidepressants: A Phase 3 Randomized Controlled Trial." *J Clin Psychiatry*. 2024 Jun 17;85(3):24 (IF): 4.06.
 28. Guidetti C, De Martin S, Serra G, Apicella M, Pani L, Pappagallo M, Mattarei A, Folli F, Manfredi P, Fava M. "Effect of Time From Onset of Major Depressive Disorder on the Therapeutic Response to Esmethadone (REL-1017)." *J Clin Psychiatry*. 2024 May 13;85(2):22m14735. (IF): 4.06.
 29. Lee M, Larose H, Gräbeldinger M, Williams J, Baird AM, Brown S, Bruns J, Clark R, Cortes J, Curigliano G, Ferris A, Garrison LP, Gupta YK, Kanavarar R, Lyman G, Pani L, Pemberton-Whiteley Z, Salmonson T, Sawicki P, Stein B, Suh DC, Velikova G, Grueger J. The evolving value assessment of cancer therapies: Results from a modified Delphi study. *Health Policy Open*. 2024 Mar 1;6:100116. IF 3.3

30. Geraci J, Bhargava R, Qorri B, Leonchyk P, Cook D, Cook M, Sie F, Pani L. Machine learning hypothesis-generation for patient stratification and target discovery in rare disease: our experience with Open Science in ALS. *Front Comput Neurosci.* 2024 Jan 4;17:1199736. doi:10.3389/fncom.2023.1199736. IF 3.2
31. Guerzoni S, Castro FL, Brovia D, Baraldi C, Pani L. Evaluation of the Risk of Hypertension in Patients Treated with Anti-CGRP Monoclonal Antibodies in a Real-Life Study. *Neurol Sci.* 2023 Nov 6. doi: 10.1007/s10072-023-07167-z. PMID: 37926748. IF 3.3
32. Sarti P, Colliva C, Varrasi S, Guerrera CS, Platania GA, Boccaccio FM, Castellano S, Pirrone C, Pani L, Tascedda F, di Nuovo S, Caraci F, Blom JMC. A Network Study to Differentiate Suicide Attempt Risk Profiles in Male and Female Patients with Major Depressive Disorder. *Clin Psychol Psychother.* 2023 Nov 3. doi: 10.1002/cpp.2924. Online ahead of print. PMID: 37922512. IF 3.6
33. Blom JMC, Rivi V, Tascedda F, Pani L. The Nexus of Social Alliances and Diverse Moral Domains: A Bedrock for Participatory Clinical Research. *Front Med (Lausanne).* 2023 Oct 2;10:1250247. doi: 10.3389/fmed.2023.1250247. eCollection 2023. PMID: 37849486. Free PMC article. IF 3.9
34. Winsvold BS, Harder AVE, Ran C, et al. Cluster Headache Genomewide Association Study and Meta-Analysis Identifies Eight Loci and Implicates Smoking as Causal Risk Factor. *Ann Neurol.* 2023 Oct;94(4):713-726. doi: 10.1002/ana.26743. Epub 2023 Aug 7. PMID: 37486023. [See abstract for full author list]IF 11.2
35. Guerzoni S, Baraldi C, Brovia D, Cainazzo MM, Castro FL, Pani L. Correction to: Monoclonal Anti-CGRP Antibodies in Post-Menopausal Women: A Real-Life Study. *Acta Neurol Belg.* 2023 Oct;123(5):2075. doi: 10.1007/s13760-023-02340-9. IF 2.6
36. Rivi V, Benatti C, Blom JMC, Pani L, Brunello N, Drago F, Papaleo F, Caraci F, Geraci F, Torrisi SA, Leggio GM, Tascedda F. The Role of Dopamine D3 Receptors, Dysbindin, and Their Functional Interaction in the Expression of Key Genes for Neuroplasticity and Neuroinflammation in the Mouse Brain. *Int J Mol Sci.* 2023 May 12;24(10):8699. IF 5.6
37. Guerzoni S, Baraldi C, Castro FL, Cainazzo MM, Pani L. Galcanezumab for the treatment of chronic migraine and medication overuse headache: Real-world clinical evidence in a severely impaired patient population. *Brain Behav.* 2023 Jun;13(6):e2799. doi: 10.1002/brb3.2799. Epub 2023 May 19. IF 3.1
38. Pandina G, Busner J, Horrigan JP, McSherry C, Bateman-House A, Pani L, Kando J. Implications of Pediatric Initiatives on CNS Drug Development for All Ages-2020 and Beyond: Second of Three Sets of Expanded Proceedings from the 2020 ISCTM Autumn Conference on Pediatric Drug Development. *Innov Clin Neurosci.* 2023 Jan-Mar;20(1-3):18-24.
39. Fava M, Stahl SM, De Martin S, Mattarei A, Bettini E, Comai S, Alimonti A, Bifari F, Pani L, Folli F, Guidetti C, Furlan A, Sgrignani J, Locatelli P, Cavalli A, O'Gorman C, Traversa S, Inturrisi CE, Pappagallo M, Manfredi PL.; Esmethadone-HCl (REL-1017): a promising rapid antidepressant. *Eur Arch Psychiatry Clin Neurosci.* 2023 Mar 8. doi: 10.1007/s00406-023-01571-4. Online ahead of print.
40. Guidetti C, Serra G, Pani L, Pappagallo M, Maglio G, Martin S, Mattarei A, Folli F, Manfredi PL, Fava M. Subanalysis of Subjective Cognitive Measures From a Phase 2, Double-Blind,

- Randomized Trial of REL-1017 in Patients With Major Depressive Disorder. *Prim Care Companion CNS Disord.* 2023 Feb 14; 25(1):2
41. Blom JMC, Benatti C, Mascalzoni D, Tascetta F, Pani L. Editorial: Digital biomarkers in testing the safety and efficacy of new drugs in mental health: A collaborative effort of patients, clinicians, researchers, and regulators. *Front Psychiatry.* 2023 Jan 11;13:1107037.
 42. Baraldi C, Lo Castro F, Ornello R, Sacco S, Pani L, Guerzoni S. OnabotulinumtoxinA: Still the Present for Chronic Migraine. *Toxins (Basel).* 2023 Jan 10;15(1):59.
 43. Blom JMC, Barisone E, Bertolotti M, Caprino D, Cellini M, Clerici CA, Colliva C, Favara-Scacco C, Di Giuseppe S, Jankovic M, Pancaldi A, Pani L, Poggi G, Rivi V, Tascetta F, Torta R, Scarponi D. The Use of Psychotropic Medication in Pediatric Oncology for Acute Psychological and Psychiatric Problems: Balancing Risks and Benefits. *Children (Basel).* 2022 Nov 30;9(12):1878.
 44. Stahl SM, De Martin S, Mattarei A, Bettini E, Pani L, Guidetti C, Folli F, de Somer M, Traversa S, Inturrisi CE, Pappagallo M, Gentilucci M, Alimonti A, Fava M, Manfredi PL. Esmethadone (REL-1017) and Other Uncompetitive NMDAR Channel Blockers May Improve Mood Disorders via Modulation of Synaptic Kinase-Mediated Signaling. *Int J Mol Sci.* 2022 Oct 13;23(20):12196.
 45. Gallucci D, Ho ECY, Geraci J, Loren J, Pani L. Respondents of health survey powered by the innovative NURO app exhibit correlations between exercise frequencies and diet habits, and between stress levels and sleep wellness. *Front Psychiatry.* 2022 Sep 6;13:945780.
 46. Ornello R, Baraldi C, Ahmed F, Negro A, Miscio AM, Santoro A, Alpuente A, Russo A, Silvestro M, Cevoli S, Brunelli N, Vernieri F, Grazi L, Pani L, Andreou A, Lambru G, Frattale I, Kamm K, Ruscheweyh R, Russo M, Torelli P, Filatova E, Latysheva N, Gryglas-Dworak A, Straburzyński M, Butera C, Colombo B, Filippi M, Pozo-Rosich P, Martelletti P, Guerzoni S, Sacco S. Excellent Response to OnabotulinumtoxinA: Different Definitions, Different Predictors. *Int J Environ Res Public Health.* 2022 Sep 2;19(17):10975.
 47. Bettini E, Stahl SM, De Martin S, Mattarei A, Sgrignani J, Carignani C, Nola S, Locatelli P, Pappagallo M, Inturrisi CE, Bifari F, Cavalli A, Alimonti A, Pani L, Fava M, Traversa S, Folli F, Manfredi PL. Pharmacological Comparative Characterization of REL-1017 (Esmethadone-HCl) and Other NMDAR Channel Blockers in Human Heterodimeric N-Methyl-D-Aspartate Receptors. *Pharmaceuticals (Basel).* 2022 Aug 13;15(8):997.
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 49. Guerzoni S, Baraldi C, Pani L. The association between onabotulinumtoxinA and anti-CGRP monoclonal antibodies: a reliable option for the optimal treatment of chronic migraine. *Neurol Sci.* 2022 Sep;43(9):5687-5695. doi: 10.1007/s10072-022-06195-5.
 50. Persico AM, Ricciardello A, Alessandrini S, Viola L, Bergonzini P, Iughetti L, Pani L.

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18. Libri e monografie pubblicati:

Capitoli in libri:

1) Rossetti Z.L.; Pani L.; Portas C.; Carboni S.; Gessa G.L.

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2) Tondo L; Pani PP; Pani L; Carcassi L; Manconi PE; Rudas N.

T-Lymphocyte in depression in: *The modes of depression: from psychobiology to psychodynamics.* Ravizza, Genazzani,
Torta and Eva eds. Cortina. Torino, 1990

3) Costa E., Cheney D.L., Grayson D.R., Korneyev A., Longone P., Pani L., Romeo E., Zivkovich E., Guidotti A.

Pharmacology of Neurosteroids Biosynthesis: Role of the Mitochondrial DBI receptor (MDR) complex. In *Brain Corticosteroid Receptors: Studies on the Mechanism, Function, and Neurotoxicity of Corticosteroid Action.*

Vol. 746 of *The Annals of the New York Academy of Sciences*, 1994, 223-242

4) Serra G., Pani L., Collu M, Gessa G.L.

Ruolo delle Monoamine nella patogenesi dei disturbi dell'umore. In La depressione nel bambino e nell'adolescente.

G. Lanzi et al. (eds) 1994, 179-192

5) Koukopoulos A., Reginaldi D., Minnai G., Serra G., Pani L., Johnson FN

The Long Term Prophylaxis of Affective Disorders in Depression and Mania: from Neurobiology to Treatment,

Gessa GL, Fratta W., Pani L and Serra G. (eds), Raven Press, May 1995, 127-147

6) Gessa G.L., Pani L., Serra W., Fratta W

Animal Models of Mania in Depression and Mania: from Neurobiology to Treatment,

Gessa G.L., Fratta W., Pani L and Serra G. (eds), Raven Press, May 1995, 43-67

7) Gessa G.L., Serra G., Pani L.

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Nuova Rivista di Neurologia, Suppl Vol. 5, 10-18 (1995)

8) Pani L., Gessa G.L.

The role of dopamine in the biological basis of dysthymia in Dysthymia in neurological disorders,

Proceedings of the WHO Meeting, J. Licinio; L. Prilipko and C.L. Bolis (eds), WHO Geneva, Switzerland, 1997.

9) Pani L., Porcella A. and Gessa G.L.

Stress and the dopaminergic System in Stress and the nervous system, Proceedings of the WHO Meeting,

J. Licinio and C.L. Bolis (eds), WHO Athens, Greece, 1998.

10) Serra G., Pani L., Gessa G.L.

Clozapina Enciclopedia Medica Italiana, Agg. II, Tomo I, 1284-1288, 1998

11) Pani L., Porcella A. and Gessa G.L.

Dysthymia: Psychosocial Aspects. in Dysthymia in Public Health, Proceedings of the Joint WHO/AIREN Meeting,

J. Licinio and C.L. Bolis (eds), WHO Geneva, Switzerland, 1999.

12) Pani L., Porcella A, Gessa G.L.

Hypothesis testing: dopaminergic system, environmental pressure and evolutionary mismatch, in Dopaminergic System: Evolution from Biology to Clinical Aspects,

Bolis CL, Pani L and Licinio J. (eds) Lippincott Williams & Wilkins Healthcare, Philadelphia, 2001

13) Gessa G.L., Pani L, Devoto P

Is dopamine in the prefrontal cortex released from noradrenergic neurons? in

Dopaminergic System: Evolution from Biology to Clinical Aspects, Bolis CL, Pani L and Licinio J. (eds)

Lippincott Williams & Wilkins Healthcare, Philadelphia, 2001

14) Pani L, Biggio G

Effetti collaterali delle benzodiazepine in Benzodiazepine dalle molecole alla pratica clinica,

Biggio G, (ed), Springer-Verlaag Italia, Milano 2001

15) Canali S, De Anna G, Pani L

Evolutionary Psychopharmacology mental disorders and ethical behaviour in:

Evolutionary ethics and contemporary Biology, Boniolo G, (ed) Cambridge University Press Cambridge, 2006

16) Pani L, Saba L

Farmacogenetica degli Antipsicotici in:

Trattato Italiano di Psichiatria, Cassano GB (ed), Masson-Elsevier, Milano 2008

17) Salloum IM, Pani L, Cooke T

Management of Comorbidity in Bipolar Disorder in:

Bipolar Disorder: Clinical and Neurobiological Foundations, Edited by Lakshmi N. Yatham and Mario Maj, John Wiley & Sons, 2010

18) Pani L,

La fine Anatomia di un Asperger o, anzi, due: Santiago Felipe Ramón y Cayal in:

Sei personaggi in cerca di Autismi (a cura di Paolo Cornaglia Ferraris)

Edizioni LSWR, 2018

b) Libri:

1) Gian Luigi Gessa e Luca Pani

Il ruolo della dopamina nei disturbi depressivi Parte Prima: Neurobiologia della Distimia: il ruolo della dopamina.

Mediserve Milano, 1998 (I edizione)

2) Luca Pani e Gian Luigi Gessa

Il ruolo della dopamina nei disturbi depressivi Parte Seconda Distimia: diagnosi e trattamento.

Mediserve Milano, 1998 (I edizione)

3) Gian Luigi Gessa e Luca Pani

Il ruolo della dopamina nei disturbi depressivi. Volume Unico

Mediserve Milano, 1999 (II edizione)

4) Gerardo Medea e Luca Pani

I Disturbi depressivi in Medicina Generale. Diagnosi e Gestione

UTET Periodici Milano, 2000

5) Luca Pani

La Biochimica del Cervello

Masson, Milano 2001

6) Stefano Canali e Luca Pani

Emozioni e malattia. Dall'evoluzione biologica al tramonto del pensiero psicosomatico

Paravia Bruno Mondadori Editori, Milano 2003

7) Luca Pani

Distimia: dal temperamento alla malattia

Masson, Milano 2004

8) Luca Pani

La Rivoluzione di Paul Janssen

Cinquant'anni di Terapia della Schizofrenia: dall'aloiperidolo al paliperidone

Elsevier, Milano 2009

9) Luca Pani

Le Carte di Ephedra.

Kalb Editore, Cagliari, Italy 2006 (168 pp.)

10) Pani L., Martinez F.

Prove di Volo: Manuale di Psiconautica Elementare.

Edra, Milano, MILANO, October 2015

11) Pani L., Corbellini

Imperfezioni Umane

Rubbettino, Cosenza, October 2015

12) Pani L.

L'innovazione sostenibile

Edra, Milano, MILANO, January 2016

13) Pani L.

Sustainable Innovation

Edra, Milano, MILANO, June 2016

15) Pani L., (dipinti di Martinez F.)

Prove di Volo II: Manuale di Psiconautica Normale.

Edra, Milano, MILANO, October 2016

16) Pani L.,

Lo strano caso Avastin-Lucentis. Perché tutti vogliono delle Agenzie Regolatorie indipendenti che però quasi nessuno può permettersi?

Edra, Milano, MILANO, July 2017

17) Pani L.,

The strange case of Avastin-Lucentis. Why everybody wants independent Regulatory Agencies that almost nobody can handle?

Edra, Milano, MILANO, September 2017

18) Pani L., Corbellini G.

Prescrivere Valore. Storia e Scienza dei Farmaci che ci fanno vivere piu' a lungo e meglio.

Edra, Milano, MILANO, September 2017

19) Pani L., (dipinti di Mulas PG.)

Buddha non è un bar: Psiconautica Nuda

Edra, Milano, MILANO, October 2017

20) Pani L.

Resilienza Farmaceutica

Edra, Milano, MILANO, December 2017

21) Pani L.

Pharmaceutical Resilience

Edra, Milano, MILANO, March 2018

22) Pani L. (dipinti di Mulas PG.)

E Adesso Spogliati. Tecniche di spogliarello mentale. I pensieri da buttare e quelli da tenere

Edra, Milano, MILANO, November 2019

23) Mantua V., Pani L.

Guida all'Uso dei Farmaci in Psichiatria

Edra Milano, MILANO, December 2019

24) Pani L., Capitano ME

Effetto Quarentena: Chi siamo e Cosa saremo Nella Stagione del Covid-19

Edra Milano, MILANO, May 2020

25) Cammarata S., Pani L.

Elementi di Scienze Regolatorie del Farmaco,

Edra Milano, April 2022

26) Pani L. (dipinti di Mulas PG.)

Pandenostrum. Psiconautica Virale

Edra, Milano, MILANO, January 2023

19. Articoli o esposizioni su riviste sottoposti a revisione paritaria: -

20. Altri lavori, pubblicazioni e abstract:

Oltre 150 articoli sui piu' importanti quotidiani italiani e riviste specialistiche, richiesti dai direttori delle testate, su temi relativi ai disturbi mentali, al mismatch evolutivo, alla medicina digitale e sanitaria o alle politiche accademiche

Dal 1994, invitato a tenere presentazioni ECM in oltre 1200 conferenze, seminari, expert opinion, tavole rotonde ecc. Sono stato membro di comitati strategici educativi/editoriali:

non specifici per prodotto fino al 2016 e talvolta specifici per prodotto successivamente, aperti ai delegati, prevalentemente professionisti sanitari, e organizzati tramite provider di educazione medica per aziende farmaceutiche

Sono stato relatore in eventi di educazione medica: tali eventi non erano tutti specifici per prodotto, erano aperti a tutti i delegati (professionisti sanitari), senza restrizioni, e focalizzati sulla psicofarmacologia (modelli animali, relazione tra profili PK e impatto clinico). Sono stato coinvolto come relatore retribuito in alcuni di questi eventi e, nella maggior parte dei casi, la partecipazione e' avvenuta insieme ad altri esperti del settore. Un elenco dei piu' recenti puo' essere fornito su richiesta

21. Altri lavori accettati per la pubblicazione: -

V. Attività professionale

22. Finanziamenti di ricerca ottenuti: IMI2 - Call 23 Call ID: H2020-JTI-IMI2-2020-23-two-stage
Tipo di azione: RIA - Research and Innovation Actions Topic 1: restituzione dei dati delle sperimentazioni cliniche ai partecipanti allo studio entro un quadro conforme al GDPR e approvato dal punto di vista etico. Luca Pani Coordinatore europeo (budget totale 6,6 M Euro) 2022-2025

23. Responsabilità editoriali:

2017-presente Direttore responsabile di PharmAdvances, la rivista della Società Italiana di Farmacologia

2017-presente Chief Scientific Officer di Edra Publishing Company (<http://www.edraspa.com/>), che pubblica oltre il 50% di tutti i testi medici in Italia e dispone di un catalogo di centinaia di titoli scientifici che supervisiono e/o sui quali fornisco consulenza.

1993-2003 Ho fondato, lanciato e co-diretto con PP Pani e GL Gessa, The Italian Journal of the Addictions (www.medicinatossicodipendenze.it), selezionando, valutando ed editando gli articoli della rivista per oltre un decennio.

24. Organizzazioni professionali e onorarie:

2024-2026 Presidente, International Society for Clinical Trials Managements, USA

2022-2024 Presidente eletto, International Society for Clinical Trials Managements, USA

2021- Fellow, Royal Society of Medicine (Londra)

2018-presente Membro della Società Italiana di Farmacologia

2015-presente Membro e Membro del Comitato Esecutivo (dal 2018) di ISCTM | The International Society for CNS Clinical Trials and Methodology

2016-presente Membro del Conference Steering Committee | American Society of Clinical Psychopharmacology (ASCP)

2017-presente Membro del Programme Committee ECNP New Frontiers Meeting

2009-2012 Consulente scientifico del Panel sui disturbi psicotici e gli antipsicotici dello European College of Neuropsychopharmacology (ECNP).

1990-presente Società Italiana di Farmacologia;

1990-2010 Società Italiana di Psicopatologia;

1995-2010 Società Italiana di Psichiatria.

25. Onorificenze e premi:

2021- Gelfand Lecture, invito nazionale USA Phi Delta Epsilon Medical Fraternity

2019- IBDO Award - Medaglia Galileo Galilei, IBDO Foundation, Roma, Italia

2014- Premio Eurordis per l'Innovazione, Bruxelles, Belgio

1994-1996-1998 Platano d'Oro: Premio nazionale italiano di scrittura medica, finalista in tutte le prime tre edizioni del premio, Cagliari, Italia

1990-1991 Fidia Research Foundation International Fellowship in Neuroscience, Washington DC, USA

26. Fellowship post-dottorali:

1990-1992 Fellow post-dottorale in Biologia Molecolare, University of Illinois at Chicago, USA

27. Altre attività professionali:

Sono uno degli inventori (non ne detengo la proprietà) di due nuovi brevetti statunitensi e di un brevetto E.C., vale a dire:

US2010029622A1 su microemulsione

US2010028257A1 su nuove omepipiperazine oppioidi

EP2223681A1 su composizione di spore di batteri non patogeni

VI. Didattica

2018-presente Farmacologia e Farmacologia Clinica - Corso completo per studenti di Medicina e specializzandi - Università di Modena e Reggio Emilia - Italia

2017-presente Psichiatria Clinica e Psicofarmacologia - studenti di Medicina del I e III anno e curriculum MD, MPH - specializzandi PGY 1-4 in Psichiatria - University of Miami - School of Medicine

1994-2017 Ho insegnato per oltre due decenni sia psicofarmacologia specialistica sia psichiatria clinica nei programmi di specializzazione medica e agli studenti di Medicina sia in Italia sia negli USA. Dal 1994 ho svolto il ruolo di supervisore, organizzatore, presidente e relatore in centinaia di corsi ECM e conferenze in tutto il mondo.

28. Premi per la didattica ricevuti:

2021- Gelfand Prize, US National Phi Delta Epsilon Medical Fraternity

29. Specializzazione didattica:

Psichiatria Clinica - Psicofarmacologia - Regolatorio e accesso al mercato - Medicina Digitale

30. Supervisione di tesi e dissertazioni / supervisione di studenti post-dottorali:

Sono stato mentore e/o relatore per diverse tesi di laurea e post-dottorato nelle Facoltà di Medicina o Farmacia in Italia.

VII. Servizio

31. Responsabilità nei comitati universitari e amministrative:

Dal 2010 sono entrato a far parte della principale comunità regolatoria mondiale nel campo dei medicinali presso la European Medicines Agency (EMA) di Londra. Dal 2011 al 2016 ho ricoperto il ruolo di Direttore generale dell'Agenzia Italiana del Farmaco (AIFA) - posizione in qualche modo equivalente a un Vice Ministro della Salute - responsabile dell'approvazione e del rimborso nazionale dei prodotti terapeutici per uso umano per un valore equivalente a quasi 30 miliardi di Euro all'anno. Sotto la mia guida AIFA ha implementato la prima regolamentazione sul conflitto di interessi e ha vinto (per quattro anni consecutivi) il premio del Governo italiano per la pubblica amministrazione più trasparente in Italia. Ho supervisionato e gestito una forza lavoro di oltre 400 specialisti e ho ottenuto l'approvazione del Parlamento italiano per aumentare il personale di AIFA a 630 unità. In qualità di Presidente di importanti comitati e gruppi di lavoro dell'EMA ho coordinato l'attuazione della direttiva europea sulla farmacovigilanza e il piano di lavoro pluriennale della strategia telematica della European Medicines Agency a beneficio dell'intera rete delle autorità nazionali competenti.

Nei 15 anni precedenti ho supervisionato e portato a compimento con successo diversi progetti e finanziamenti di ricerca a livello regionale, nazionale e internazionale. Ho lavorato su tutte le principali tecniche di biologia molecolare in relazione all'espressione genica; Farmacologia generale e molecolare; microdialisi cerebrale e modelli animali; e possiedo competenze cliniche avanzate in Psichiatria.

Ho inoltre gestito grandi organizzazioni con gruppi fino a 400 persone con competenze multiple e ho interagito personalmente, sia a livello nazionale sia internazionale, con Governo, organizzazioni di pazienti, professionisti sanitari, enti benefici, payer e industria.

32. Finanziamenti attivi:

A) Commissione Europea IMI-2 TOPIC ID: IMI2-2020-23-01 Restituzione dei dati delle sperimentazioni cliniche ai partecipanti allo studio entro un quadro conforme al GDPR e approvato dal punto di vista etico

COORDINATORE: Luca Pani Università di Modena e Reggio Emilia, Modena, ITALIA.

Coordinatore operativo principale: Johanna Blom Università di Modena e Reggio Emilia, Modena, ITALIA

TITOLO: FACILITATE (FrAmework for Clinical trial participants' data reutilization for a fully Transparent and Ethical ecosystem)

DURATA: 4 anni, assegnato il 31 maggio 2021 - data di inizio 1 gennaio 2022 e data di conclusione 31 dicembre 2025

PARTNER: 27, di cui 20 UE (Italia, Austria, Belgio, Finlandia, Francia, Germania, Paesi Bassi, Repubblica Ceca, Polonia, Romania, Spagna, Svezia) e 7 extra-UE (Serbia, Svizzera, USA, UK)

Pubblico/privato: 18 partner, di cui 4 università/centri di ricerca, 6 centri ospedalieri, 3 rappresentanti di cittadini/pazienti, 5 società a scopo di lucro

Industria: 9 membri EFPIA, di cui 8 Pharma, 1 service/technology provider

BUDGET: € 3.260.000 contributo UE + € 3.363.904 in-kind = € 6.623.904

COMITATI: 3 Comitati decisionali di esperti: associazioni di pazienti, comitati etici, autorità per la protezione dei dati, regolatori nazionali dei medicinali/farmaci, professionisti sanitari, ricercatori, genetisti

B) Ministero italiano dell'Università e della Ricerca

COORDINATORE: Luca Pani Università di Modena e Reggio Emilia, Modena, ITALIA.

Dipartimento di Scienze Biomediche, Metaboliche e Neuroscienze

Tipologia di progetto PRIN - Bando 2022 Scienze della vita (LS5) Codice identificativo del bando e del progetto DD n. 104 del 02-02-2022

TITOLO La finestra adolescenziale di vulnerabilità per l'emicrania: indagare il ruolo della serotonina per #stopthepain in giovani roditori e uomini/donne

DURATA: 24 mesi (2024-2026)

BUDGET TOTALE: € 194.980; UNIMORE = € 109.980

Data: 20 giugno 2026

Firma: _____