

CURRICULUM VITAE

Cristiano V. Chiamulera

Overall Contribution to Science:

Total papers: 126 research papers in international peer-reviewed journals

Total citations: 4179 (Scopus); 6265 (Google Scholar)

h factor: 32 (Scopus); 38 (Google Scholar)

Education:

1987-1989: Post-graduate Specialization in Experimental Pharmacology. Postgraduate School of Pharmacology, Faculty of Pharmacy, Univ. of Milan.

1979-1986: Doctor in Pharmaceutical Chemistry and Technology (Pharm.D.). Faculty of Pharmacy, Univ. of Padua.

Present Job Positions and Appointments:

2019-present: Full Professor of Pharmacology, Department of Diagnostic & Public Health, Univ. of Verona

2023-present: President of the Master degree in Pharmacy, Univ. of Verona

2022-present: Director UOS Pharmacology, Azienda Ospedaliera Universitaria Verona (AOUI Verona)

Previous Job Positions & Professional Qualifications:

2021-2024: President of the Master degree in Medicine and Surgery, Univ. of Verona

2020-2025: President, Scientific Committee of the Professional Development and Continuing Education Course in Teaching Methods for Cognitive and Motor Development in Children Aged 0 to 6, Univ. of Verona

2020-2025: President, Scientific Committee of the Professional Development and Continuing Education Course in Ecological Assessment of Motor Activities for Preschools, Univ. of Verona

2020-2025: President, Scientific Committee of the Professional Development and Continuing Education Course in Evidence-Based Design of Physical Activities in School Playgrounds, Univ. of Verona

2023-2025: President, Scientific Committee of the Professional Development Course in Healthcare Management and Leadership, University of Trento

2019-2021: President of the Technical-Scientific C.tee for the Interdepartmental Animal Experimentation C.tee, Univ. Verona

2018-2021: President of the Bachelor Course Biomedical Laboratory Technician, Univ. Verona

2006-2019: Associate Professor of Pharmacology, Department of Diagnostic & Public Health, Univ. of Verona

2012-2019: Member of the Technical-Scientific C.tee for the interdepartmental Animal Experimentation C.tee, Univ. Verona

2014-2019: Member of the interdepartmental Healthy Volunteer Experimentation C.tee, Univ. Verona

2012-2018: Director of the Post-graduate Course on Tobacco Addiction, School of Medicine, Univ. of Verona.

2013-2015: Scientific Delegate for the Dept. of Public Health and Community Medicine, Univ. of Verona.

2009-2015: Coordinator and Professor of the PhD Course in Translational Biomedicine, Univ. of Verona.

2007-2011: Member of the Administrative Board of Directors, Univ. of Verona.

2003-2006: Contract Research Senior Fellow, Section of Pharmacology, Department of Public Health & Community Medicine, Univ. of Verona, Italy.
2003-2006: Research Consulting Scientist.
2001-2002: Clinical Research Scientist, Medical Directorate GlaxoSmithKline S.p.A., Italy.
2000-2001: Research Leader, GlaxoWellcome Medicines Research Centre, Verona, Italy.
1997-2000: Principal Research Scientist, GlaxoWellcome Medicines Research Centre, Verona, Italy.
1993-1997: Senior Research Scientist, GlaxoWellcome Medicines Research Centre, Verona, Italy.
1986-1993: Research Scientist, Glaxo Research Laboratories, Verona, Italy.
1986 Certified Pharmacist, Italy.

Teaching Experience:

2025-present: Course of "Pharmacology", Master degree in Pharmacy, Univ. of Verona
2023-present: Course of "Pharmacology", Master degree in Medicine and Surgery, Univ. of Trento
2020-present: Course of "Pharmacology", Master degree in Medicine and Surgery, Univ. of Verona
2018-present: Course of "Pharmaco-toxicology", Bachelor degree of Biomedical Laboratory Technician, Univ. of Verona
2014-present: Lecturer, Postgraduate School in Alcoholism & Alcohol Abuse, Univ. of Modena Reggio Emilia
2013-present: Lecturer, PhD Course in Neuroscience, Univ. of Verona
Univ. of Verona
2011-present: Lecturer, Postgraduate School of Pharmacovigilance, School of Medicine, Univ. of Verona
2021-2023: Course of "Pharmacology", Bachelor degree in Nursing, Univ. of Verona
2013-2021: Course of "Pharmacology", Master degree of Dental Medicine, School of Medicine,
2012-2020: Course of "Pharmacology", Bachelor degree of Exercise and Sport Medicine, School of Medicine, Univ. of Verona
2013-2019: Course of "Nano-Pharmacology", Master degree of Nanotechnology, Univ. of Verona & Univ. of Venice Cà Foscari
2011-2017: Lecturer, Postgraduate Specialization School of Forensic Medicine, School of Medicine, Univ. of Verona
2012-2018: Course of "Pharmacology", Bachelor degree of Biomedical Laboratory Technician, Univ. of Verona
2011-2016: Course of "Sport and Drugs", Bachelor degree of Exercise and Sport Medicine, Univ. of Verona
2007-2013: Course of "Scientific methodology applied to biomedical research on exercise and sport activity", Faculty of Exercise and Sport Medicine, Univ. of Verona
2007-2013: Course of "Neuropsychopharmacology", Faculty of Medicine, School of Medicine, Univ. of Verona
2007-2015: Lecturer, PhD School in Translational Biomedical Sciences, Univ. of Verona
2008-2010: Course of "Biomedicine", Faculty of Exercise and Sport Medicine, Univ. of Verona
2008-2010: Course of "Pharmacology", Faculty of Exercise and Sport Medicine, Univ. of Verona.
2008-2010: Course of "Psychobiology" (18 hours), Faculty of Exercise and Sport Medicine, Univ. of Verona
2007-2009: Course of "Experimental drug research", Faculty of Exercise and Sport Medicine, Univ. of Verona
2007-2008: Course of "Neuropsychopharmacology", Master degree in Dental Medicine, Faculty of Medicines, Univ. of Verona
2007-2008: Course of "Drug Addiction and Sport", Faculty of Exercise and Sport Medicine, Univ. of Verona
2006-2010: Course of "Biomedicine III", Faculty of Exercise and Sport Medicine, Univ. of Verona
2005-2010: Course of "Pharmacology", Postgraduate School of Clinical Biochemistry, Faculty of Medicine, Univ. of Verona, Italy
2003- 2005: Adjunct Professor of Informatics, Univ. of Verona
2003-2004: Adjunct Professor of Psychobiology, Univ. of Verona

1999-2002: Adjunct Professor of Pharmacology & Toxicology, Univ. of Padua
2003-2006: Advisor of graduate research, Univ. of Verona
1994-2006: Advisor of undergraduate research for degree thesis university of Padua, Verona, Milan, Ferrara
1994-2002: Lecturer, Course of "Pharmacology III and Experimental Pharmacology", Faculty of Pharmacy, Univ. of Padua
1993-2006: Lecturer, Ph.D course of "Pharmacology", Department of Pharmacology, Univ. of Padua
1986: Co-Instructor, Course of "Experimental Pharmacology", Department of Pharmacology, Univ. of Padua

Appointments in Healthcare Services:

2025-present Member working group "Cannabinoids", Commissione Tecnica Regionale Farmaci, Regione del Veneto
2021-present: Member of the Molecular Tumor Board, Commissione Tecnica Regionale Farmaci, Regione del Veneto
2020-present: Member of the Therapeutic Commission ALSS 9, Verona
2024-2024: Member working group "Innovative multiple sclerosis medicines", Commissione Tecnica Regionale Farmaci, Regione del Veneto
2019-2022: Member of the Ethical Committee for Clinical Research, APSS Trento
2018-2022: Member Interdisciplinary working group "Appropriateness of prescription in oncology and oncohaematology", Azienda Ospedaliera Universitaria Verona
2016-2021: Member working group "Innovative oncohaematological medicines", Commissione Tecnica Regionale Farmaci, Regione del Veneto

Research Experience:

2006-present: Principal Investigator.
NeuroPsychopharmacology Laboratory, Department of Diagnostic & Public Health, Univ. of Verona, Italy.
2003-2006 Contract Research Fellow.
Coordinator of a research group involved in basic research focussed on investigating mechanisms of neuro-psychiatric disorders. Section of Pharmacology, Department of Medicine and Public Health, Univ. of Verona, Italy.
2003-2006: Research Consulting Scientist.
Research and consulting on addiction, tobacco dependence and bio-behavioural research for public and private associations, foundations, healthcare system. Local and international.
2001-2002: Clinical Research Scientist.
Medical Product Development Leader in the Psychiatric Area. Development strategy (Ph. I-II), pre-launch (Ph. III) and post-marketing (Ph. IV) clinical and epidemiological studies. Medical Directorate, GlaxoSmithKline S.p.A., Italy.
1999-2001: Laboratory Head.
Behavioural Pharmacology Lab. Exploratory and Therapeutic Research in drug dependence and smoking cessation. Dept. Biology, GlaxoWellcome Medicines Research Centre, Verona, Italy.
1998-2001: Disease Program Leader.
Drug Dependence/Smoking Cessation Therapeutic Area. Coordination of preclinical projects in collaboration with Research, Development, Clinical and Global Commercial groups. GlaxoWellcome Research & Development Group.
1997-1999: Technology Group Leader.
Behavioural Pharmacology Unit, Dept. Pharmacology, GlaxoWellcome, Verona, Italy.
1993-1995, 1997-1998: Research Project Leader
Exploratory and Therapeutic projects on CNS targets and drugs. Glaxo Research Laboratories, Verona, Italy.
1991: Visiting Scientist.

Department of Pharmacology, Texas College of Osteopathic Medicine, Forth Worth, TX, USA. Advisor: Prof. Michael W. Oglesby.

1990: Visiting Scientist.

Department of Neuropharmacology, Glaxo Group Research, Ware, U.K.. Advisor: Michael B. Tyers.

1987: Visiting Scientist.

Department of Pharmacology, Univ. of Ferrara, Italy. Advisor: Prof. Lorenzo Beani.

1985-1986: Undergraduate Researcher.

Department of Pharmacology, Univ. of Padua, Italy. Supervisor: Prof. Giuliana Fassina.

Patents:

Chiamulera, Cristiano; Reggiani, Angelo; Trist, David. Tetrahydroquinoline Derivative for Treating Nicotine Craving Patent number: US20080287491 (2008), EP1689399 (2006), WO2005053693 (2005).

Marzo, Claudio Marcello Guzzo, Flavia Chiamulera, Cristiano Avesani, Linda Bianconi, Martino Commisso, Mauro Negri, Stefano Gambini, Sofia Munari, Francesca Assfalg, Michael Acido chinico per l'uso nel trattamento dei disturbi dell'umore - Quinic acid for use in the treatment of mood disorders Application (Quinic acid for use in the treatment of mood disorders) Publication/Patent Number: IT202200000581A1, Publication Date: 2023-07-17, Application Number: IT202200000581, Filing Date: 2022-01-17

Member of Scientific Boards:

Member of the Executive C.tee of the Italian Society of Drug Addiction (SITD (2025-presente)

Founding member of the Italian Society of NeuroTecnology (ISNeT) (2025-presente).

Scientific Director "Neurobiology Lab", Luoghi di Prevenzione, Lega Italiana Lotta ai Tumori (LILT), Reggio Emilia (2016-present).

Member of Technical-Scientific C.tee, Luoghi di Prevenzione, Lega Italiana Lotta ai Tumori (LILT), Reggio Emilia (2003-present).

Member of the Scientific C.tee, Centro Soranzo, addiction treatment residential center, CEIS Don Milani, Venice (2013-present)

Member of the Scientific C.tee Regione del Veneto website "Smetti inTempo" (2013-presente).

Founding Member of the no profit Foundation Centro Lotta alle Dipendenze – CLAD (2011-present)

Director, Master on Addiction and Risk Behaviour, CO.GE.S. (2016-2019).

Member of Ethical C.tee, Aptuit srl Verona (2014-2019)

Membership in Professional Societies (present and past):

SIF – Società Italiana di Farmacologia: Member (1994-present), member of Clinical Pharmacology c.tee (2019-2024)

SITD – Società Italiana per le Tossicodipendenze: Member of Scientific C.tee (2018-2025)

MNS – Mediterranean Neuroscience Society

EMCCS - European Molecular and Cellular Cognition Society

MCCS - Molecular and Cellular Cognition Society

SITAB – Società Italiana di Tabaccologia (Board Member 2003-2006, 2006-2008, 2008-2011)

SRNT - Society for Research on Nicotine and Tobacco: European Board Member (2004-2007, 2007-2010); European Program Committee Chairman (2007-2008); European Board President Elect (2008-2009); Basic Research Network Co-Chairman (2008-2013); European Board President (2009-2010); European Chapter Past-President (2010-2011); Annual Meeting Programme Co-Chair (2013)

EBPS - European Behavioural Pharmacology Society: Executive C.tee member; General Secretary; Meeting Secretary (2013-2018)

Society for Neuroscience

SINS – Società Italiana di Neuroscienze.

Awards:

2013: Society for Research on Nicotine and Tobacco "*Service Award*"

2014: Society for Research on Nicotine and Tobacco "*Service Award*"

2023: European Network for Smoking Prevention "Outstanding contribution to tobacco control"

Editorial Activities:

Editorial Activities:

Neuroscience & Biobehavioural Reviews (Editorial Board Member); Frontiers, Neuroscience (Associate Editor); Frontiers, section Neuropharmacology (Review Editorial Board Member); Frontiers, Psychiatry; Current Opinion in Pharmacology (Guest Editor); Nicotine & Tobacco Research (Assistant Guest Editor).

Ad-hoc Reviewer:

Addiction; American Journal of Drug and Alcohol Abuse; Behavioural Pharmacology; Biological Psychiatry; British Journal of Clinical Pharmacology; Experimental Brain Research; European Neuropsychopharmacology; Experimental & Clinical Psychopharmacology; Journal of Neurochemistry; Journal of Neuroscience; Journal of Pharmacology and Experimental Therapeutics; Medical Hypothesis; NeuroImage; Neuropharmacology; Neuropsychopharmacology; Neuroscience; Neuroscience & Biobehavioral Reviews; Nicotine & Tobacco Research; Pharmacology Biochemistry and Behavior; PLOSone; Progress in Neurobiology; Psychopharmacology; Scientific Reports

Invited speaker for academic and private organizations

UNISTEM Day, Univ. Brescia, 2025

Dipartimento Antidroga Presidenza del Consiglio dei Ministri, Conferenza nazionale, Genova, 2021

Istituto Nazionale dei Tumori, Milano, 2018.

CERC, EBRI, Santa Lucia, Rome, 2017.

EURAC Foundation, Bozen, 2014.

Università La Sapienza, Rome, 2013.

SPIN PhD Day, University of Innsbruck, 2012.

Dept. Experimental Psychology, University of Bristol, 2011.

Neurosearch AG Research, Copenhagen, 2005.

Novartis R&D, London. 2005.

Clinical Pharmacology Dept, GlaxoWellcome Inc, RTP, USA, 1999.

Pharmacology Unit, Guy's Hospital, London, 1998.

Faculty of Medicine, Univ. of Verona, 1998.

Dept. Pharmacology, Univ. of Padova, 1993-1995.

Publications on International Journals

126) Salzano S, Bertasini C, Tavakolian Haghighi S, Lundkvist J, Wahlberg LU, Chiamulera C, Vattermi GN, Gardoni F, Paolone G. Frontotemporal dementia as a consequence of GRN mutations: From disease cause to models to therapies. *Pharmacol Res.* 2025 Nov;221:107957. doi: 10.1016/j.phrs.2025.107957.

125) Zandonai T, Chiamulera C. The Interplay Between Environment and Drug Effects: Decoding the Ecocebo Phenomenon with Virtual Technologies. *Sensors (Basel).* 2025 Aug 24;25(17):5268. doi: 10.3390/s25175268.

124) Marzo CM, Bianconi M, Commisso M, Gambini S, Chiamulera C, Avesani L, Negri S, Guzzo F. Untargeted metabolomics reveals quinic acid as the kiwifruit component that affects brain activity in mice. *PLoS One.* 2025 Aug 18;20(8):e0326134. doi: 10.1371/journal.pone.0326134. eCollection 2025.

123) Virtual reality environmental enrichment effects on heart rate variability in healthy volunteers. Benvegnù G, Graffer R, Lorusso FM, Ceccato S, Tedesco E, Chiamulera C. *Psychopharmacology (Berl).* 2025 Jul 31. doi: 10.1007/s00213-025-06870-3.

122) Zamboni L, Benvegnù G, Fusina F, Vesentini R, Locatelli F, Mattiello M, Mannari V, Campagnari S, Toldo S, Congiu A, Brendolan M, Verlato G, Chiamulera C, Lugoboni F. Evoked craving in high-dose benzodiazepine users. *Front Psychiatry.* 2025 Apr 11;16:1562622. doi: 10.3389/fpsy.2025.1562622.

121) Lasalvia A, Benedetti L, Bodini L, Albasini F, Chiamulera C, Fabene P, Rugiu C, Bonetto C. Addressing the associative stigma of psychiatry and psychiatrists: a survey on the attitudes of medical and nursing students and doctors in Verona, Italy. *BMC Psychol.* 2025 Apr 9;13(1):357. doi: 10.1186/s40359-025-02682-4.

120) Tedesco E, Ceccato S, Torazzi A, Santin L, Losso L, Bottardi A, Casari R, Melchiori S, Secchettin E, Ferrero V, Arzenton E, Marini P, Lugoboni F, Chiamulera C. Cytisine for smoking cessation in hospitalised smokers with cardiovascular diseases: an observational study. *Intern Emerg Med.* 2025 Apr;20(3):817-828. doi: 10.1007/s11739-025-03888-5. Epub 2025 Feb 12.

119) Torazzi A, Tedesco E, Ceccato S, Santin L, Campagnari S, Losso L, Toldo S, Casari R, Arzenton E, Marini P, Chiamulera C, Lugoboni F. Safety and efficacy of CyTisine for smoking cessation in a hOSPital context (CITOSP): study protocol for a prospective observational study. *Front Public Health.* 2024 Sep 30;12:1350176. doi: 10.3389/fpubh.2024.1350176. eCollection 2024.

118) Piva A, Benvegnù G, Negri S, Commisso M, Ceccato S, Avesani L, Guzzo F, Chiamulera C. Whole Plant Extracts for Neurocognitive Disorders: A Narrative Review of Neuropsychological and Preclinical Studies. *Nutrients.* 2024 Sep 18;16(18):3156. doi: 10.3390/nu16183156.

117) Benvegnù G, Perotti S, Vegher A, Chiamulera C. Virtual Reality Environmental Enrichment Effects on Craving for Cigarettes in Smokers. *Games Health J.* 2025 Feb;14(1):21-28.

doi: 10.1089/g4h.2023.0188. Epub 2024 Jul 10.

116) Benvegnù G, Semenzato M, Urbani A, Zanlorenzi I, Cibir M, Chiamulera C
Nature-based experience in Venetian lagoon: Effects on craving and wellbeing in addict residential inpatients.

Front Psychol. 2024 Jun 12;15:1356446.

doi: 10.3389/fpsyg.2024.1356446. eCollection 2024.

115) Crisafulli S, Ciccimarra F, Bellitto C, Carollo M, Carrara E, Stagi L, Triola R, Capuano A, Chiamulera C, Moretti U, Santoro E, Tozzi AE, Recchia G, Trifirò
Artificial intelligence for optimizing benefits and minimizing risks of pharmacological therapies: challenges and opportunities.

G.Front Drug Saf Regul. 2024 Mar 18;4:1356405.

doi: 10.3389/fdsfr.2024.1356405.

114) Chiamulera C, Benvegnù G, Piva A, Paolone G. Ecocebo: How the interaction between environment and drug effects may improve pharmacotherapy outcomes.

Neurosci Biobehav Rev. 2024 Jun;161:105648. doi: 10.1016/j.neubiorev.2024.105648. Epub 2024 Mar 31. PMID: 38565340.

113) Pintori N, Piva A, Mottarlini F, Díaz FC, Maggi C, Caffino L, Fumagalli F, Chiamulera C. Brief exposure to enriched environment rapidly shapes the glutamate synapses in the rat brain: A metaplastic fingerprint.

Eur J Neurosci. 2024 Mar;59(5):982-995.

doi: 10.1111/ejn.16279. Epub 2024 Feb 20. PMID: 38378276.

112) Caffino L, Mottarlini F, Piva A, Rizzi B, Fumagalli F, Chiamulera C. Temporal dynamics of BDNF signaling recruitment in the rat prefrontal cortex and hippocampus following a single infusion of a translational dose of ketamine.

Neuropharmacology. 2024 Jan 1;242:109767.

doi: 10.1016/j.neuropharm.2023.109767. Epub 2023 Oct 17.

111) Benvegnù G, Piva A, Cadorin C, Mannari V, Girondini M, Federico A, Tamburin S, Chiamulera C. The effects of virtual reality environmental enrichments on craving to food in healthy volunteers.

Psychopharmacology (Berl). 2024 Jan;241(1):49-60.

doi: 10.1007/s00213-023-06462-z. Epub 2023 Sep 11.

110) Ahmadizar F, Luxi N, Raethke M, Schmikli S, Riefolo F, Saraswati PW, Bucsa C, Osman A, Liddiard M, Maques FB, Petrelli G, Sonderlichová S, Thurin NH, Villalobos F, Trifirò G, Sturkenboom M; ilmiovaccinoCOVID19 collaborating group. Safety of COVID-19 Vaccines Among the Paediatric Population: Analysis of the European Surveillance Systems and Pivotal Clinical Trials.

Drug Saf. 2023 Jun;46(6):575-585.

doi: 10.1007/s40264-023-01304-5. Epub 2023 Apr 27

109) Zamboni L, Toldo S, Fusina F, Mattiello M, Mannari V, Campagnari S, Schiavone V, Congiu A, Verlato G, Chiamulera C, Lugoboni F. Study protocol-Evoked craving in high-dose benzodiazepine users.

Front Psychiatry. 2022 Oct 13;13:956892.

doi: 10.3389/fpsyg.2022.956892.

- 108) Pintori N, Piva A, Guardiani V, Marzo CM, Decimo I, Chiamulera C. The interaction between Environmental Enrichment and fluoxetine in inhibiting sucrose-seeking renewal in mice depend on social living condition.
Psychopharmacology (Berl). 2022 Mar 30
doi: 10.1007/s00213-022-06124-6.
- 107) Luxi N, Giovanazzi A, Capuano A, Crisafulli S, Cutroneo PM, Fantini MP, Ferrajolo C, Moretti U, Poluzzi E, Raschi E, Ravaldi C, Reno C, Tuccori M, Vannacci A, Zaroni G, Trifirò G; Ilmiovaccino COVID19 collaborating group. COVID-19 Vaccination in Pregnancy, Paediatrics, Immunocompromised Patients, and Persons with History of Allergy or Prior SARS-CoV-2 Infection: Overview of Current Recommendations and Pre- and Post-Marketing Evidence for Vaccine Efficacy and Safety.
Drug Saf. 2021 Dec;44(12):1247-1269.
doi:10.1007/s40264-021-01131-6.
- 106) Zorzin S, Corsi A, Ciarpella F, Bottani E, Dolci S, Malpeli G, Pino A, Amenta A, Fumagalli GF, Chiamulera C, Bifari F, Decimo I. Environmental Enrichment Induces Meningeal Niche Remodeling through TrkB-Mediated Signaling.
Int J Mol Sci. 2021 Oct 1;22(19):10657.
doi: 10.3390/ijms221910657.
- 105) Pintori N, Piva A, Guardiani V, Decimo I, Chiamulera C. Brief Environmental Enrichment exposure enhances contextual-induced sucrose-seeking with and without memory reactivation in rats.
Behav Brain Res. 2022 Jan 7;416:113556.
doi: 10.1016/j.bbr.2021.113556.
- 104) Amalric M, Pattij T, Sotiropoulos I, Silva JM, Sousa N, Ztaou S, Chiamulera C, Wahlberg LU, Emerich DF, Paolone G. Where Dopaminergic and Cholinergic Systems Interact: A Gateway for Tuning Neurodegenerative Disorders.
Front Behav Neurosci. 2021 Jul 22;15:661973.
doi: 10.3389/fnbeh.2021.661973.
- 103) Chiamulera C, Mantovani E, Tamburin S. Remote clinical trials: A timely opportunity for a virtual reality approach and its potential application in neurology.
Br J Clin Pharmacol. 2021 Oct;87(10):3639-3642.
doi: 10.1111/bcp.14922.
- 102) Zandonai T, Benvegnù G, Tommasi F, Ferrandi E, Libener E, Ferraro S, Maris B, Chiamulera C. A virtual reality study on postretrieval extinction of smoking memory reconsolidation in smokers.
J Subst Abuse Treat. 2021 Jun;125:108317.
doi: 10.1016/j.jsat.2021.108317.
- 101) Benvegnù G, Tommasi F, Ferraro S, Libener E, Di Chio M, Bosi S, Zandonai T, Chiamulera C. Smokers "Context Reactivity" in Virtual Domestic Environments.
Eur Addict Res. 2021;27(6):439-446. doi: 10.1159/000515301.
- 100) Benini A, Gottardo R, Chiamulera C, Bertoldi A, Zamboni L, Lugoboni F. Continuous Infusion of Flumazenil in the Management of Benzodiazepines Detoxification.
Front Psychiatry. 2021 Mar 18;12:646038.
doi:10.3389/fpsy.2021.646038.
- 99) Piva A, Caffino L, Mottarlini F, Pintori N, Castillo Díaz F, Fumagalli F, Chiamulera C. Metaplastic Effects of Ketamine and MK-801 on Glutamate Receptors Expression in Rat Medial Prefrontal Cortex and Hippocampus.
Mol Neurobiol. 2021 Jul;58(7):3443-3456.

doi: 10.1007/s12035-021-02352-7.

98) Policastro G, Brunelli M, Tinazzi M, Chiamulera C, Emerich DF, Paolone G. Cytokine-, Neurotrophin-, and Motor Rehabilitation-Induced Plasticity in Parkinson's Disease. *Neural Plast.* 2020 Nov 26;2020:8814028.
doi: 10.1155/2020/8814028.

97) Tamburin S, Dal Lago D, Armani F, Turatti M, Saccà R, Campagnari S, Chiamulera C. Smoking-related cue reactivity in a virtual reality setting: association between craving and EEG measures. *Psychopharmacology (Berl).* 2020 Dec 2.
doi: 10.1007/s00213-020-05733-3.

96) Chiamulera C, Piva A, Abraham WC. Glutamate receptors and metaplasticity in addiction. *Curr Opin Pharmacol.* 2020 Oct 28;56:39-45.
doi: 10.1016/j.coph.2020.09.005.

95) Mantovani E, Zucchella C, Bottiroli S, Federico A, Giugno R, Sandrini G, Chiamulera C, Tamburin S. Telemedicine and Virtual Reality for Cognitive Rehabilitation: A Roadmap for the COVID-19 Pandemic. *Front Neurol.* 2020 Sep 15;11:926.
doi: 10.3389/fneur.2020.00926. eCollection 2020.

94) Zandonai T, Manresa-Rocamora A, Monese L, Moya-Ramón M, Schena F, Chiamulera C. A descriptive study of exercise dependence: a short report among Italian and Japanese runners. *J Addict Dis.* 2020 Oct 8:1-5.
doi: 10.1080/10550887.2020.1829450.

93) Zandonai T, Pizzolato F, Tam E, Bruseghini P, Chiamulera C, Cesari P. The Effects of Nicotine on Cortical Excitability After Exercise: A Double-Blind Randomized, Placebo-controlled, Crossover Study. *J Clin Psychopharmacol.* 2020 Sep/Oct;40(5):495-498.
doi: 10.1097/JCP.0000000000001246.

92) Padovani L, Tesoriero C, Vyssotski A, Bentivoglio M, Chiamulera C. Hippocampal gamma oscillations by sucrose instrumental memory retrieval in rats across sleep/wake cycle. *Neurosci Lett.* 2020 Sep 25;736:135255.
doi: 10.1016/j.neulet.2020.135255.

91) Zandonai T, Chiamulera C. Smoker and smokeless tobacco user athletes: dual users? *QJM.* 2020 Jul 10:hcaa222.
doi: 10.1093/qjmed/hcaa222.

90) Piva A, Pintori N, Padovani L, Chiamulera C. Protocols for instrumental memory reconsolidation in rodents: A methodological review. *J Neurosci Methods.* 2020 Aug 1;342:108766.
doi: 10.1016/j.jneumeth.2020.108766.

89) Trifirò G, Crisafulli S, Andò G, Racagni G, Drago F; Italian Society of Pharmacology. Should Patients Receiving ACE Inhibitors or Angiotensin Receptor Blockers be Switched to Other Antihypertensive Drugs to Prevent or Improve Prognosis of Novel Coronavirus Disease 2019 (COVID-19)? *Drug Saf.* 2020 Jun;43(6):507-509.
doi: 10.1007/s40264-020-00935-2.

- 88) Tam E, Bruseghini P, Capelli C, Baraldo M, Chiamulera C, Zandonai T. Effects of nicotine on microvascular responsiveness after nicotine satiety versus overnight nicotine abstinence. *Vasc Med.* 2020 Jun;25(3):223-225.
doi: 10.1177/1358863X20906029.
- 87) Piva A, Caffino L, Padovani L, Pintori N, Mottarlini F, Sferrazza G, Paolone G, Fumagalli F, Chiamulera C. The metaplastic effects of ketamine on sucrose renewal and contextual memory reconsolidation in rats. *Behav Brain Res.* 2020;379:112347.
doi:10.1016/j.bbr.2019.112347
- 86) Zandonai T, Tam E, Bruseghini P, Capelli C, Baraldo M, Chiamulera C. Exercise performance increase in smokeless tobacco-user athletes after overnight nicotine abstinence. *Scand J Med Sci Sports.* 2019;29(3):430–439.
doi:10.1111/sms.13333
- 85) Zandonai T, Chiamulera C. The importance of nicotine use among winter sports athletes especially in skiers. *J Sci Med Sport.* 2019 Oct;22(10):1072.
DOI: 10.1016/j.jsams.2019.05.022.
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