

CURRICULUM VITAE

Cristiano V. Chiamulera

Overall Contribution to Science:

(Scopus; 12/01/2022)

Total papers: 107 research papers in international peer-reviewed journals, 28 paper in Italian journals, 2 books, 24 book chapters

Total citations: 3042 (Scopus); 4623 (Google Scholar)

h factor: 27 (Scopus); 33 (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

2021-present: President of the Course of Medicine and Surgery, Univ. of Verona

2020-present: Head Pharmacovigilance local unit, Azienda Ospedaliera Universitaria Verona (AOUI Verona)

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

2016-present: Pharmacist Manager, Medical Pharmacology & Pharmacovigilance Unit, Azienda Ospedaliera Universitaria Verona, Verona

Previous Job Positions & Professional Qualifications:

2018-2021: President of the Undergraduate Course in Biomedical 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:

2020-present: Course of "Pharmacology", Master degree in Medicine and Surgery, Univ. of Verona
2018-present: Course of "Pharmaco-toxicology", Course 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
2013-2021: Course of "Pharmacology", Course of Dental Medicine, School of Medicine, Univ. of Verona
2011-present: Lecturer, Postgraduate School of Pharmacovigilance, School of Medicine, Univ. of Verona
2012-2020: Course of "Pharmacology", Course of Exercise and Sport Medicine, School of Medicine, Univ. of Verona
2013-2019: Course of "Nano-Pharmacology", Course 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", Course of Biomedical Laboratory Technician, Univ. of Verona
2011-2016: Course of "Sport and Drugs", B.Sc. Course 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", Course 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:

- 2021-present: Member of the Molecular Tumor Board, Regione del Veneto, Azienda Ospedaliera Universitaria Verona
- 2020-present: Member of the Therapeutic Commission ALSS 9, Verona
- 2019-present: Member of the Ethical Committee for Clinical Research, APSS Trento
- 2018-present: Member Interdisciplinary working group "Appropriateness of prescription in oncology and oncohaematology", Azienda Ospedaliera Universitaria Verona
- 2016-presente Professional training reference person for U.O.S. Medical Pharmacology and Pharmacovigilance Unit, Azienda Ospedaliera Universitaria Verona
- 2016-presente Quality Assurance reference person for U.O.S. Medical Pharmacology and Pharmacovigilance Unit, Azienda Ospedaliera Universitaria Verona
- 2016-presente 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).

Member of Scientific Boards:

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)

Past

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

EMCCS - European Molecular and Cellular Cognition Society

MCCS - Molecular and Cellular Cognition Society

SIF - Italian Society of Pharmacology: Clinical Pharmacology C.tee 2019-present

SITD - Italian Society for Drug Addiction: Scientific C.tee member 2018-present

MNS – Mediterranean Neuroscience Society

EBPS - European Behavioural Pharmacology Society: Executive C.tee member; General Secretary 2013-2018; Meeting Secretary 2013-2015

Past

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; 2013 Annual Meeting Programme Co-Chair

SITAB - Italian Society of Tobaccology: Board Member 2003-2006, 2006-2008, 2008-2011

Society for Neuroscience

Integrational Minds Lab

European Society for Nanomedicine

SINS - Italian Society of Neuroscience

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

Media:

Interviews for:

Il Corriere della Sera, Il Giornale, La Repubblica, Quark, Mente e Cervello, RAI Utile channel,
Radio24-Sole24ore, Panorama, RAI 3, RadioVerona, TeleVerona

News:

The Scientist, Nature News, Washington Post, Los Angeles Time, Corriere Salute, Radio RAI,
L'Arena, Il Gazzettino, Newton, TeleVerona

Invited speaker for academic and private organizations

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

- 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, Zanoni 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.
- 84) Della Libera C, Zandonai T, Zamboni L, Santandrea E, Sandri M, Lugoboni F, **Chiamulera C**, Chelazzi L.
Revealing Dissociable Attention Biases in Chronic Smokers Through an Individual-Differences Approach. Sci Rep. 2019 Mar 20;9(1):4930.
DOI: 10.1038/s41598-019-40957-0.
- 83) Piva A, Gerace E, Di Chio M, Padovani L, Paolone G, Pellegrini-Giampietro DE, **Chiamulera C**.
Reconsolidation of sucrose instrumental memory in rats: The role of retrieval context. Brain Res. 2019 Jul 1;1714:193-201.
DOI: 10.1016/j.brainres.2019.03.006.
- 82) Collo, G., Cavalleri, L., **Chiamulera, C.**, Pich, E.M.
Ketamine increases the expression of GluR1 and GluR2 α -amino-3-hydroxy-5-methy4-isoxazole propionate receptor subunits in human dopaminergic neurons differentiated from induced pluripotent stem cells (2019) NeuroReport, 30 (3), pp. 207-212.
DOI: 10.1097/WNR.0000000000001185
ISSN: 09594965
- 81) Collo, G., Cavalleri, L., **Chiamulera, C.**, Merlo Pich, E.
(2 R,6 R)Hydroxynorketamine promotes dendrite outgrowth in human inducible pluripotent stem cell derived neurons through AMPA receptor with timing and exposure compatible with ketamine infusion pharmacokinetics in humans (2018) NeuroReport, 29 (16), pp. 1425-1430.
DOI: 10.1097/WNR.0000000000001131
ISSN: 09594965
- 80) Zandonai, T., Tam, E., Bruseghini, P., Pizzolato, F., Franceschi, L., Baraldo, M., Capelli, C., Cesari, P., **Chiamulera, C**.
The effects of oral smokeless tobacco administration on endurance performance (2018) Journal of Sport and Health Science, 7 (4), pp. 465-472.
DOI: 10.1016/j.jshs.2016.12.006
ISSN: 20952546
- 79) Piva, A., Gerace, E., Di Chio, M., Osanni, L., Padovani, L., Caffino, L., Fumagalli, F., Pellegrini-Giampietro, D.E., **Chiamulera, C**.
The metaplastic effects of NMDA receptors blockade on reactivation of instrumental memories in rats (2018) Neurobiology of Learning and Memory, 154, pp. 87-96.
DOI: 10.1016/j.nlm.2018.01.007
ISSN: 10747427

78) **Chiamulera, C.**, West, R.J.

What role does dopamine really play in tobacco addiction?(2018) *Addiction*, 113 (8), pp. 1379-1380.

DOI: 10.1111/add.14235

ISSN: 09652140

77) Caffino, L., Piva, A., Mottarlini, F., Di Chio, M., Giannotti, G., **Chiamulera, C.**, Fumagalli, F. Ketamine Self Administration Elevates α CaMKII Autophosphorylation in Mood and Reward Related Brain Regions in Rats (2018) *Molecular Neurobiology*, 55 (7), pp. 5453-5461.

DOI: 10.1007/s1203501707723

ISSN: 08937648

76) Hirano, S., Bovi, M., Romeo, A., Guzzo, F., **Chiamulera, C.**, Perduca, M.

Ketamine nanodelivery based on poly-lactic-coglycolic acid (PLGA) nanoparticle (2018) *Applied Nanoscience*, 8 (4), pp. 655-663.

DOI: 10.1007/s1320401807651

ISSN: 21905509

75) Cavalleri, L., Merlo Pich, E., Millan, M.J., **Chiamulera, C.**, Kunath, T., Spano, P.F., Collo, G.

Ketamine enhances structural plasticity in mouse mesencephalic and human iPSC derived dopaminergic neurons via AMPAR driven BDNF and mTOR signaling (2018) *Molecular Psychiatry*, 23 (4), pp. 812-823.

DOI: 10.1038/mp.2017.241

ISSN: 13594184

74) Zandonai, T., **Chiamulera, C.**, Mancabelli, A., Falconieri, D., Diana, M.

A preliminary investigation on smokeless tobacco use and its cognitive effects among athletes (2018) *Frontiers in Pharmacology*, 9 (MAR), art. no. 216.

DOI: 10.3389/fphar.2018.00216

ISSN: 16639812

73) Fattore, L., Piva, A., Zanda, M.T., Fumagalli, G., **Chiamulera, C.**

Psychedelics and reconsolidation of traumatic and appetitive maladaptive memories: focus on cannabinoids and ketamine (2018) *Psychopharmacology*, 235 (2), pp. 433-445.

DOI: 10.1007/s0021301747934

ISSN: 00333158

72) **Chiamulera, C.**, Di Chio, M., Cavalleri, L., Venniro, M., Padovani, L., Collo, G.

Ketamine effects on mammalian target of rapamycin signaling in the mouse limbic system depend on functional dopamine D3 receptors (2018) *NeuroReport*, 29 (8), pp. 615-620.

DOI: 10.1097/WNR.0000000000001008

ISSN: 09594965

71) Zandonai, T., Tam, E., Bruseghini, P., Capelli, C., Baraldo, M., **Chiamulera, C.**

Exercise performance increase in smokeless tobacco user athletes after overnight nicotine abstinence (2018) *Scand J Med Sci Sports*. 2019 Mar;29(3):430-439.

DOI: 10.1111/sms.13333.

ISSN: 09057188

70) Caffino, L., Piva, A., Giannotti, G., Di Chio, M., Mottarlini, F., Venniro, M., Yew, D.T.,

Chiamulera, C., Fumagalli, F.

Ketamine SelfAdministration Reduces the Homeostasis of the Glutamate Synapse in the Rat Brain (2017) *Molecular Neurobiology*, 54 (9), pp. 7186-7193.

DOI: 10.1007/s1203501602316

ISSN: 08937648

- 69) Venniro, M., Caprioli, D., Zhang, M., Whitaker, L.R., Zhang, S., Warren, B.L., Cifani, C., Marchant, N.J., Yizhar, O., Bossert, J.M., **Chiamulera, C.**, Morales, M., Shaham, Y. The Anterior Insular Cortex→Central Amygdala Glutamatergic Pathway Is Critical to Relapse after Contingency Management (2017) *Neuron*, 96 (2), pp. 414-427.
DOI: 10.1016/j.neuron.2017.09.024
ISSN: 08966273
- 68) Ahmed, N., Linardi, D., Muhammad, N., **Chiamulera, C.**, Fumagalli, G., Biagio, L.S., Gebrie, M.A., Aslam, M., Luciani, G.B., Faggian, G., Rungatscher, A. Sphingosine 1phosphate receptor modulator fingolimod (FTY720) attenuates myocardial fibrosis in postheterotopic heart transplantation (2017) *Frontiers in Pharmacology*, 8 (SEP), art. no. 645, .
DOI: 10.3389/fphar.2017.00645
ISSN: 16639812
- 67) **Chiamulera, C.**, Padovani, L., Corsi, M. Drug discovery for the treatment of substance use disorders: novel targets, repurposing, and the need for new paradigms (2017) *Current Opinion in Pharmacology*, 35, pp. 120-124.
DOI: 10.1016/j.coph.2017.08.009
ISSN: 14714892
- 66) **Chiamulera, C.**, Marzo, C.M., Balfour, D.J.K. Metabotropic glutamate receptor 5 as a potential target for smoking cessation (2017) *Psychopharmacology*, 234 (910), pp. 1357-1370.
DOI: 10.1007/s0021301644873
ISSN: 00333158
- 65) **Chiamulera, C.**, Ferrandi, E., Benvegnù, G., Ferraro, S., Tommasi, F., Maris, B., Zandonai, T., Bosi, S. Virtual reality for neuroarchitecture: Cue reactivity in built spaces (2017) *Frontiers in Psychology*, 8 (FEB), art. no. 185.
DOI: 10.3389/fpsyg.2017.00185
ISSN: 16641078
- 64) Zanda, M.T., Fadda, P., Antinori, S., Di Chio, M., Fratta, W., **Chiamulera, C.**, Fattore, L. Methoxetamine affects brain processing involved in emotional response in rats (2017) *British Journal of Pharmacology*, 174 (19), pp. 3333-3345.
DOI: 10.1111/bph.13952
ISSN: 00071188
- 63) Zanda, M.T., Fadda, P., **Chiamulera, C.**, Fratta, W., Fattore, L. Methoxetamine, a novel psychoactive substance with serious adverse pharmacological effects: A review of case reports and preclinical findings (2016) *Behavioural Pharmacology*, 27 (6), pp. 489-496.
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