CURRICULUM VITAE

Cristiano V. Chiamulera

Overall Contribution to Science:

*(date: 14/02/2024)*

Total papers: 112 research papers in international peer-reviewed journals, 31 paper in Italian journals, 2 books, 25 book chapters

Total citations: 3719 (Scopus); 5480 (Google Scholar)

h factor: 29 (Scopus); 35 (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

2021-present: President of the Course of Pharmacy, Univ. of Verona

2020-present: Director UOS Pharmacology, Azienda Ospedaliera Universitaria Verona (AOUI Verona)

2022-present: Director, Pharmacology Unit, AOUI Verona, Verona

Previous Job Positions & Professional Qualifications:

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

2014-2019: Member of the interdepartmental Healthy Volunteer Experimentation C.ttee, 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:

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:

2024-present: Member working group “Innovative multiple sclerosis medicines”, 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

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).

*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.ttee, Luoghi di Prevenzione, Lega Italiana Lotta ai Tumori (LILT), Reggio Emilia (2003-present).

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

Member of the Scientific C.ttee 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.ttte, 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.ttee 2019-present

*Past*

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

MNS – Mediterranean Neuroscience Society

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

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

European Society for Nanomedicine

SINS - Italian Society of Neuroscience

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

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

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/fpsyt.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, 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/fpsyt.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 αCaMKII 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.

DOI: 10.1097/FBP.0000000000000241

ISSN: 09558810

62) Mutti, A., Aroni, S., Fadda, P., Padovani, L., Mancini, L., Collu, R., Muntoni, A.L., Fattore, L., Chiamulera, C.

The ketamine-like compound methoxetamine substitutes for ketamine in the self-administration

paradigm and enhances mesolimbic dopaminergic transmission (2016) Psychopharmacology, 233 (12), pp. 2241-2251.

DOI: 10.1007/s0021301642750

ISSN: 00333158

61) Casartelli, L., Chiamulera, C.

The motor way: Clinical implications of understanding and shaping actions with the motor system in autism and drug addiction (2016) Cognitive, Affective and Behavioral Neuroscience, 16 (2), pp. 191-206.

DOI: 10.3758/s1341501503997

ISSN: 15307026

60) Chiamulera, C., Armani, F., Mutti, A., Fattore, L.

The ketamine analogue methoxetamine generalizes to ketamine discriminative stimulus in rats (2016) Behavioural Pharmacology, 27 (23), pp. 204210.

DOI: 10.1097/FBP.0000000000000221

ISSN: 09558810

59) Caffino, L., Di Chio, M., Giannotti, G., Venniro, M., Mutti, A., Padovani, L., Cheung, D., Fumagalli, G.F., Yew, D.T., Fumagalli, F., Chiamulera, C.

The modulation of BDNF expression and signalling dissects the antidepressant from the reinforcing properties of ketamine: Effects of single infusion vs. chronic selfadministration

in rats (2016) Pharmacological Research, 104, pp. 22-30.

DOI: 10.1016/j.phrs.2015.12.014

ISSN: 10436618

58) Guglielmi, V., Vattemi, G., Chignola, R., Chiarini, A., Marini, M., Dal Prà, I., Di Chio, M., Chiamulera, C., Armato, U., Tomelleri, G.

Evidence for caspase dependent programmed cell death along with repair processes in affected skeletal muscle fibres in patients with mitochondrial disorders (2016) Clinical Science, 130 (3), pp. 167181.

DOI: 10.1042/CS20150394

ISSN: 01435221

57) Venniro, M., Mutti, A., Chiamulera, C.

Pharmacological and non-pharmacological factors that regulate the acquisition of ketamine self-administration in rats (2015) Psychopharmacology, 232 (24), pp. 4505-4514.

DOI: 10.1007/s0021301540779

ISSN: 00333158

56) Morente Sánchez, J., Zandonai, T., Mateo March,M., Sanabria, D., Sánchez Muñoz,

C., Chiamulera, C., Zabala Díaz, M.

Acute effect of Snus on physical performance and perceived cognitive load on amateur footballers (2015) Scandinavian Journal of Medicine and Science in Sports, 25 (4), pp. e423e431.

DOI: 10.1111/sms.12321

ISSN: 09057188

55) Tedesco, V., Mutti, A., Auber, A., Chiamulera, C.

Nicotine-seeking reinstatement is reduced by inhibition of instrumental memory reconsolidation (2014) Behavioural Pharmacology, 25 (8), pp. 725-731.

DOI: 10.1097/FBP.0000000000000088

ISSN: 09558810

54) Auber, A., Muthu Karuppasamy, N.S., Pedercini, M., Bertoglio, D., Tedesco, V., Chiamulera, C.

The effect of postretrieval extinction of nicotine pavlovian memories in rats trained to self-administer nicotine (2014) Nicotine & Tobacco Research, 16 (12), pp. 1599-1605.

DOI: 10.1093/ntr/ntu110

ISSN: 1469994X

53) Tedesco, V., Roquet, R.F., DeMis, J., Chiamulera, C., Monfils, M.H.

Extinction, applied after retrieval of auditory fear memory, selec tively increases zinc finger

protein 268 and phosphorylated ribosomal protein S6 expression in prefrontal cortex and lateral amygdala (2014) Neurobiology of Learning and Memory, 115, pp. 78-85.

DOI: 10.1016/j.nlm.2014.08.015

ISSN: 10747427

52) Chiamulera, C., Cibin, M.

Drinking reduction and reversibility of neuroadaptation in alcoholism (2014) Journal of Psychopharmacology, 28 (8), pp. 810-812.

DOI: 10.1177/0269881114538544

ISSN: 02698811

51) Chiamulera, C., Hinnenthal, I., Auber, A., Cibin, M.

Reconsolidation of maladaptive memories as a therapeutic target: Preclinical data and clinical approaches (2014) Frontiers in Psychiatry, 5 (AUG), art. no. Article 107.

DOI: 10.3389/fpsyt.2014.00107

ISSN: 16640640

50) Grassi, M.C., Baraldo, M., Chiamulera, C., Culasso, F., Raupach, T., Ferketich, A.K., Patrono, C., Nencini, P.

Knowledge about health effects of cigarette smoking and quitting among italian university students: The importance of teaching nicotine dependence and treatment in the medical curriculum (2014) BioMed Research International, 2014, art. no. 321657

DOI: 10.1155/2014/321657

ISSN: 23146133

49) Casartelli, L., Chiamulera, C.

Which future for neuroscience in forensic psychiatry: Theoretical hurdles and empirical chances

(2013) Frontiers in Psychiatry, 4 (JUL), art. no. 74.

DOI: 10.3389/fpsyt.2013.00074

ISSN: 16640640

48) Casartelli, L., Chiamulera, C.

Opportunities, threats and limitations of neuroscience data in forensic psychiatric evaluation

(2013) Current Opinion in Psychiatry, 26 (5), pp. 468-473.

DOI: 10.1097/YCO.0b013e32836342e1

ISSN: 09517367

47) Tedesco, V., Ravagnani, C., Bertoglio, D., Chiamulera, C.

Acute ketamine-induced neuroplasticity: Ribosomal protein S6 phosphorylation expression in drug addiction related rat brain areas (2013) NeuroReport, 24 (7), pp. 388-393.

DOI: 10.1097/WNR.0b013e32836131ad

ISSN: 09594965

46) Auber, A., Tedesco, V., Jones, C.E., Monfils, M.H., Chiamulera, C.

Postretrieval extinction as reconsolidation interference: Methodological issues or boundary conditions? (2013) Psychopharmacology, 226 (4), pp. 631-647.

DOI: 10.1007/s0021301330041

ISSN: 00333158

45) Grassi, M.C., Chiamulera, C., Baraldo, M., Culasso, F., Ferketich, A.K., Raupach, T., Patrono, C., Nencini, P.

Cigarette smoking knowledge and perceptions among students in four Italian medical schools

(2012) Nicotine and Tobacco Research, 14 (9), pp. 1065-1072.

DOI: 10.1093/ntr/ntr330

ISSN: 14622203

44) Pajusco, B., Chiamulera, C., Quaglio, G., Moro, L., Casari, R., Amen, G., Faccini, M., Lugoboni, F.

Tobacco addiction and smoking status in heroin addicts under methadone vs. buprenorphine therapy (2012) International Journal of Environmental Research and Public Health, 9 (3), pp. 932-942.

DOI: 10.3390/ijerph9030932

ISSN: 16604601

43) Vattemi, G., Mechref, Y., Marini, M., Tonin, P., Minuz, P., Grigoli, L., Guglielmi, V., Klouckova, I., Chiamulera, C., Meneguzzi, A., Di Chio, M., Tedesco, V., Lovato, L., Degan, M., Arcaro, G., Lechi, A., Novotny, M.V., Tomelleri, G.

Increased protein nitration in mitochondrial diseases: Evidence for vessel wall involvement (2011) Molecular and Cellular Proteomics, 10 (4).

DOI: 10.1074/mcp.M110.002964

ISSN: 15359476

42) Formaggio, E., Dalfini, A.C., Fazzini, F., Fumagalli, G., Chiamulera, C.

GABAergic neurons expressing p75 in rat substantia innominata and nucleus basalis

(2011) Molecular and Cellular Neuroscience, 46 (3), pp. 625-632.

DOI: 10.1016/j.mcn.2011.01.002

ISSN: 10447431

41) Pajusco, B., Boschini, A., Chiamulera, C., Begnini, M., Smacchia, C., Lugoboni, F.

Tobacco smoking prevalence in a large sample of heroin users accessing rehabilitation

(2011) Heroin Addiction and Related Clinical Problems, 13 (1), pp. 510.

ISSN: 15921638

40) Giarola, A., Auber, A., Chiamulera, C.

Acetylcholinesterase inhibitors par tially generalize to nicotine discriminative stimulus effect in rats (2011) Behavioural Pharmacology, 22 (1), pp. 16.

DOI: 10.1097/FBP.0b013e328341e9dd

ISSN: 09558810

39) Chiamulera, C.

Research is needed on the use of cognitive enhancer drugs in sport (2011) Journal of Science and Medicine in Sport, 14 (1), pp. 23.

DOI: 10.1016/j.jsams.2010.09.001

ISSN: 14402440

38) Chiamulera, C., Lerman, C., Pogun, S.

A new chapter in the history of SRNT : The formation of the European chapter of SRNT (SRNTE)

Aletter from the presidents of SRNT and SRNT Europe (2010) Nicotine and Tobacco Research, 12 (12), pp. 1181-1182.

DOI: 10.1093/ntr/ntq180

ISSN: 14622203

37) Gotti, C., Guiducci, S., Tedesco, V., Corbioli, S., Zanetti, L., Moretti, M., Zanardi, A., Rimondini, R., Mugnaini, M., Clementi, F., Chiamulera, C., Zoli, M.

Nicotinic acetylcholine receptors in the mesolimbic pathway: Primary role of ventral tegmental area α6β2\* receptors in mediating systemic nicotine effects on dopamine release, locomotion, and reinforcement (2010) Journal of Neuroscience, 30 (15), pp. 5311-5325.

DOI: 10.1523/JNEUROSCI.509509.2010

ISSN: 02706474

36) Formaggio, E., Fazzini, F., Dalfini, A.C., Di Chio, M., Cantù, C., Decimo, I., Fiorini, Z., Fumagalli, G., Chiamulera, C.

Nicotine increases the expression of neurotrophin receptor tyrosine kinase receptor A in basal forebrain cholinergic neurons (2010) Neuroscience, 166 (2), pp. 580-589.

DOI: 10.1016/j.neuroscience.2009.12.073

ISSN: 03064522

35) Chiamulera, C., Tedesco, V., Zangrandi, L., Giuliano, C., Fumagalli, G.

Propranolol transiently inhibits reinstatement of nicotine-seeking behaviour in rats

(2010) Journal of Psychopharmacology, 24 (3), pp. 389-395.

DOI: 10.1177/0269881108097718

ISSN: 02698811

34) Bifari, F., Decimo, I., Chiamulera, C., Bersan, E., Malpeli, G., Johansson, J., Lisi, V., Bonetti, B., Fumagalli, G., Pizzolo, G., Krampera, M.

Novel stem/progenitor cells with neuronal differentiation potential reside in the leptomeningeal niche (2009) Journal of Cellular and Molecular Medicine, 13 (9 B), pp. 3195-3208.

DOI: 10.1111/j.15824934.2009.00706.

ISSN: 15821838

33) Johansson, J., Formaggio, E., Fumagalli, G., Chiamulera, C.

Choline upregulates BDNF and downregulates TrkB neurotrophin receptor in rat cortical cell culture (2009) NeuroReport, 20 (9), pp. 828-832.

DOI: 10.1097/WNR.0b013e32832b7324

ISSN: 09594965

32) Markou, A., Chiamulera, C., Geyer, M.A., Tricklebank, M., Steckler, T.

Removing obstacles in neuroscience drug discovery: The future path for animal models

(2009) Neuropsychopharmacology, 34 (1), pp. 74-89.

DOI: 10.1038/npp.2008.173

ISSN: 0893133X

31) Favero, M., Jiang, D.J., Chiamulera, C., Cangiano, A., Fumagalli, G.F.

Expression of small conductance calcium activated potassium channels (SK3) in skeletal muscle: Regulation by muscle activity (2008) Journal of Physiology, 586 (19), pp. 4763-4774.

DOI: 10.1113/jphysiol.2008.156588

ISSN: 00223751

30) Chiamulera, C., Di Chio, M., Tedesco, V., Cantù, C., Formaggio, E., Fumagalli, G.

Nicotine induced phosphorylation of phosphorylated cyclic AMP response element binding

protein (pCREB) in hippocampal neurons is potentiated by agrin (2008) Neuroscience Letters, 442 (3), pp. 234-238.

DOI: 10.1016/j.neulet.2008.07.025

ISSN: 03043940

29) Formaggio, E., Cantù, C., Chiamulera, C., Fumagalli, G.F.

p75 neurotrophin receptor distribution and transport in cultured neurons (2008) Neuroscience Research, 62 (1), pp. 32-42.

DOI: 10.1016/j.neures.2008.06.003

ISSN: 01680102

28) Giuliano, C., Parikh, V., Ward, J.R., Chiamulera, C., Sarter, M.

Increases in cholinergic neurotransmission measured by using cholinesensitive

microelectrodes: Enhanced detection by hydrolysis of acetylcholine on recording sites?

(2008) Neurochemistry International, 52 (7), pp. 1343-1350.

DOI: 10.1016/j.neuint.2008.02.002

ISSN: 01970186

27) Chiamulera, C., Fumagalli, G.

Nicotinic receptors and the treatment of attentional and cognitive deficits in neuropsychiatric disorders: Focus on the α7 nicotinic acetylcholine receptor as a promising drug target for schizophrenia (2007) Central Nervous System Agents in Medicinal Chemistry, 7 (4), pp. 269-288.

DOI: 10.2174/187152407783220797

ISSN: 18715249

26) Chiamulera, C., Leone, R., Fumagalli, G.

Smokeless tobacco use in sports: 'Legal doping'? (2007) Addiction, 102 (12), pp. 1847-1848.

DOI: 10.1111/j.13600443.2007.01993.

ISSN: 09652140

25) Conforti, A., Chiamulera, C., Moretti, U., Colcera, S., Fumagalli, G., Leone, R.

Musculoskeletal adverse drug reactions: A review of literature and data from ADR spontaneous reporting databases (2007) Current Drug Safety, 2 (1), pp. 47-63.

DOI: 10.2174/157488607779315516

ISSN: 15748863

24) Decimo, I., Roncarati, R., Grasso, S., Clemens, M., Chiamulera, C., Fumagalli, G.

SK3 trafficking in hippocampal cells: The role of different molecular domains (2006) Bioscience Reports, 26 (6), pp. 399-412.

DOI: 10.1007/s1054000690295

ISSN: 01448463

23) Costantini, C., DellaBianca, V., Formaggio, E., Chiamulera, C., Montresor, A., Rossi, F.

The expression of p75 neurotrophin receptor protects against the neurotoxicity of soluble oligomers of β amyloid (2005) Experimental Cell Research, 311 (1), pp. 126-134.

DOI: 10.1016/j.yexcr.2005.09.004

ISSN: 00144827

22) Calderan, L., Chiamulera, C., Marzola, P., Fabene, P.F., Fumagalli, G.F., Sbarbati, A.

Subchronic nicotine-induced changes in regional cerebral blood volume and transversal relaxation time patterns in the rat: A magnetic resonance study (2005) Neuroscience Letters, 377 (3), pp. 195-199.

DOI: 10.1016/j.neulet.2004.12.001

ISSN: 03043940

21) Chiamulera, C.

Cue reactivity in nicotine and tobacco dependence: A "multiple action" model of nicotine as a primary reinforcement and as an enhancer of the effects of smoking-associated stimuli

(2005) Brain Research Reviews, 48 (1), pp. 74-97.

DOI: 10.1016/j.brainresrev.2004.08.005

ISSN: 01650173

20) Micheli, F., Di Fabio, R., Cavanni, P., Rimland, J.M., Capelli, A.M., Chiamulera, C., Corsi, M., Corti, C., Donati, D., Feriani, A., Ferraguti, F., Maffeis, M., Missio, A., Ratti, E., Paio, A., Pachera, R., Quartaroli, M., Reggiani, A., Sabbatini, F.M., Trist, D.G., Ugolini, A., Vitulli, G.

Synthesis and pharmaco logical characterisation of 2,4dicarboxypyrroles as selective noncompetitive mGluR1 antagonists (2003) Bioorganic and Medicinal Chemistry, 11 (2), pp. 171-183.

DOI: 10.1016/S09680896(02)004248

ISSN: 09680896

19) Sbarbati, A., Bunnemann, B., Cristofori, P., Terron, A., Chiamulera, C., Merigo, F., Benati, D., Bernardi, P., Osculati, F.

Chronic nicotine treatment changes the axonal distribution of 68 kDa neurofilaments in the rat ventral tegmental area (2002) European Journal of Neuroscience, 16 (5), pp. 877-882.

DOI: 10.1046/j.14609568.2002.02167.

ISSN: 0953816X

18) Mugnaini, M., Tessari, M., Tarter, G., Merlo Pich, E., Chiamulera, C., Bunnemann, B.

Upregulation of [3H]methyllycaconitine binding sites following continuous infu sion of nicotine, without changes of α7 or α6 subunit mRNA: An autoradiography and in situ hybridization study in rat brain (2002) European Journal of Neuroscience, 16 (9), pp. 1633-1646.

DOI: 10.1046/j.14609568.2002.02220.

ISSN: 0953816X

17) Chiamulera, C., Epping-Jordan, M.P., Zocchi, A., Marcon, C., Cottiny, C., Tacconi, S., Corsi, M., Orzi, F., Conquet, F.

Reinforcing and locomotor stimulant effects of cocaine are absent in mGluR5 null mutant mice

(2001) Nature Neuroscience, 4 (9), pp. 873-874.

DOI: 10.1038/nn0901873

ISSN: 10976256

16) Chiamulera, C.

Neurobiological mechanisms of nicotine dependence [Meccanismi neurobiologici della dipendenza da nicotina.]

(2001) Italian heart journal: official journal of the Italian Federation of Cardiology, 2 Suppl 1, pp. 30-33.

ISSN: 1129471X

15) Irvine, E.E., Bagnalasta, M., Marcon, C., Motta, C., Tessari, M., File, S.E., Chiamulera, C.

Nicotine self-administration and withdrawal: Modulation of anxiety in the social interaction test in rats (2001) Psychopharmacology, 153 (3), pp. 315-320.

DOI: 10.1007/s002130000586

ISSN: 00333158

14) Bunnemann, B., Terron, A., Zantedeschi, V., Merlo Pich, E., Chiamulera, C.

Chronic nicotine treatment decreases neurofilament immunoreactivity in the rat ventral tegmental area (2000) European Journal of Pharmacology, 393 (13), pp. 249-253.

DOI: 10.1016/S00142999(00)001047

ISSN: 00142999

13) Pich, E.M., Chiamulera, C., Carboni, L.

Molecular mechanisms of the positive reinforcing effect of nicotine (1999) Behavioural Pharmacology, 10 (67), pp. 587-596.

DOI: 10.1097/0000887719991100000005

ISSN: 09558810

12) Pich, E.M., Chiamulera, C., Tessari, M.

Neural substrate of nicotine addiction as defined by functional brain maps of gene expression

(1998) Journal of Physiology Paris, 92 (34), pp. 225-228.

DOI: 10.1016/S09284257(98)800156

ISSN: 09284257

11) Ferraguti, F., Pietra, C., Valerio, E., Corti, C., Chiamulera, C., Conquet, F.

Evidence against a permissive role of the metabotropic glutamate receptor 1 in acute excitotoxicity (1997) Neuroscience, 79 (1), pp. 1-5.

DOI: 10.1016/S03064522(97)000742

ISSN: 03064522

10) Pich, E.M., Pagliusi, S.R., Tessari, M., Talabot-Ayer, D., Van Huijsduijnen, R.H., Chiamulera, C.

Common neural substrates for the addictive properties of nicotine and cocaine (1997) Science, 275 (5296), pp. 83-86.

DOI: 10.1126/science.275.5296.83

ISSN: 00368075

9) Bordi, F., Marcon, C., Chiamulera, C., Reggiani, A.

Effects of the metabotropic glutamate receptor antagonist MCPG on spatial and context specific

Learning (1996) Neuropharmacology, 35 (11), pp. 1557-1565.

DOI: 10.1016/S00283908(96)001013

ISSN: 00283908

8) Chiamulera, C., Borgo, C., Falchetto, S., Valerio, E., Tessari, M.

Nicotine reinstatement of nicotine selfadministration after long term extinction

(1996) Psychopharmacology, 127 (2), pp. 102-107.

ISSN: 00333158

7) Tessari, M., Valerio, E., Chiamulera, C., Beardsley, P.M.

Nicotine reinforcement in rats with histories of coca ine selfadministration

(1995) Psychopharmacology, 121 (2), pp. 282-283.

DOI: 10.1007/BF02245640

ISSN: 00333158

6) Chiamulera, C., Valerio, E., Tessari, M.

Resumption of ethanol-seeking behaviour in rats (1995) Behavioural Pharmacology, 6 (1), pp. 32-39.

ISSN: 09558810

5) Mosconi, M., Chiamulera, C., Recchia, G.

New anxiolytics in development (1993) International Journal of Clinical Pharmacology Research, 13 (6), pp. 331-344.

ISSN: 02511649

4) Chiamulera, C., Terron, A., Reggiani, A., Cristofori, P.

Qualitative and quantitative analysis of the progressive cerebral damage after middle cerebral artery occlusion in mice (1993) Brain Research, 606 (2), pp. 251-258.

DOI: 10.1016/00068993(93)90992V

ISSN: 00068993

3) Chiamulera, C., Albertini, P., Valerio, E., Reggiani, A.

Activation of metabotropic receptors has a neuro protective effect in a rodent model of focal ischaemia (1992) European Journal of Pharmacology, 216 (2), pp. 335-336.

DOI: 10.1016/00142999(92)90382E

ISSN: 00142999

2) Chiamulera, C., Costa, S., Valerio, E., Reggiani, A.

Domoic Acid Toxicity in Rats and Mice after Intracerebroventricular Administration: Comparison with Excitatory Amino Acid Agonists (1992) Pharmacology & Toxicology, 70 (2), pp. 115-120.

DOI: 10.1111/j.16000773.1992.tb00439.x

ISSN: 09019928

1) Chiamulera, C., Costa, S., Reggiani, A.

Effect of NMDA and strychnine insensitive glycine site antagonists on NMDA mediated

convulsions and learning (1990) Psychopharmacology, 102 (4), pp. 551-552.

DOI: 10.1007/BF02247140

ISSN: 00333158

Publications on Italian Journals

31) Elisa Sgualdini, Nicoletta Favaro, Mauro Cibin, Denise dal Lago e Cristiano Chiamulera. EMDR e memoria dell’uso di sostanze: uno studio randomizzato in comunità terapeutica. Medicina delle Dipendenze (Italian Journal of the Addictions), XII: 47-55, 2023.

30) G. Panina, A. Capuano, C. Piccinni, M. Mangrella, C. Chiamulera, A. De Luca, G. D. Norata, N. Martini. Breakthrough innovation, diagnostic, therapeutic and treatment processes and impact on chronicity. Pharmadvance May 2022, 4: 45-54.

29) Cibin M., Pasqualotto L., Chiamulera C. CF E RIABILITAZIONE PSICOSOCIALE: PROMUOVERE LA RECOVERY NEI DISTURBI DA USO DI ALCOL. Alcologia 48: 71-88, 2022.

28) Cibin M., Pasqualotto, L., Chiamulera C., Grillo G., Carozza, P. Recovery, qualità della vita, ICF: la riabilitazione psicosociale nel trattamento dell’alcolismo. Medicina delle Dipendenze (Italian Journal of the Addictions), XI:42, 2021.

27) Cibin M., Canali S., Semenzato, M., Chiamulera C., Hinnenthal I. Alcol, sostanze e comportamenti: l’impulsività come dimensione psicopatologica comune dell’addiction. Medicina delle Dipendenze (Italian Journal of the Addictions), Xi:42, 2021.

26) Chiamulera C., Baretti, M., Mantovani, S., Hinnenthal I., Cibin M. Ambiente e cura: gli spazi del benessere. Medicina delle Dipendenze (Italian Journal of the Addictions), X:38, 2020.

25) Piva A, Padovani L, Chiamulera C Le memorie automatiche in addiction sono manipolabili o immutabili? Medicina delle Dipendenze (Italian Journal of the Addictions), VIII: 2018.

24) Padovani L, Chiamulera C Le sostanze dissociative. Medicina delle Dipendenze (Italian Journal of the Addictions), VI:22, 32-38, 2016.

23) Chiamulera C, Cibin M, Lugoboni F Le nuove frontiere dell'intervento integrato farmacologico e psicosociale per il trattamento dei disturbi da uso di sostanze. RIVISTA SPERIMENTALE DI FRENIATRIA, 2016 (2): 103-125.

22) Cibin M., Spoalor G., Hinnenthal I., Chiamulera C. Interventi residenziali per Disturbi da Uso di Alcol: efficacia e criticità. SICUREZZA E SCIENZE SOCIALI, 2014 (3): 88-101.

21) Cibin M., Manzato E., Lugoboni F., Mazzo M, Hinnenthal I., Chiamulera C. L’alcol come elemento comune del poliabuso: evidenze di letteratura ed esperienza clinica. Medicina delle Dipendenze (Italian Journal of the Addictions), III:12, 49-61, 2013.

20) Cibin M., Chiamulera C., Hinnenthal I., Auber A. Addiction, trauma, memoria: dalla clinica al reverse engineering. Medicina delle Dipendenze (Italian Journal of the Addictions), III:12, 12-23, 2013.

19) Chiamulera C., Auber A. Memoria degli effetti delle sostanze: neurobiologia e processi. Medicina delle Dipendenze (Italian Journal of the Addictions), III:12, 7-11, 2013.

18) Chiamulera, C. Nuovi approcci terapeutici: farmaci e vaccini (Novel therapeutic approaches: drugs and vaccines). Tobaccology, 1: 34-36, 2009.

17) Chiamulera, C. Dalle molecole al comportamento (From molecules to behaviour). Tobaccology, 3: 22-24, 2007.

16) Chiamulera, C., Mangiaracina, G., Zagà, V., Tinghino, B., Poropat, C., Del Donno, M. L’indagine SITAB sui Centri Antifumo italiani: album di foto o film in svolgimento? (SITAB’s investigation on italian smoking cessation units: a photo gallery or a movie?). Tobaccology, 4: 39-41, 2006

15) Baraldo, M., Chiamulera, C., Poropat, C. Vareniclina: fatti e opinioni a confronto (Varenicline: facts and opinions). Tobaccology, 4: 15-18, 2006.

14) Chiamulera, C.. Biologia del Tabagismo: un continuum dalle molecule ai processi psicocomportamentali (Biology of tobacco addiction: a continuum from molecules to psychobehavioural processes). Tobaccology, 2s, 33-37, 2005.

13) Chiamulera, C.. Multiple action model: una nuova ipotesi di ricerca propone le “neuroscienze ambientali” del tabagismo (Multiple action model: a novel research hypothesis proposes a “contextual neuroscience” view of tobacco dependence). Tobaccology, 2, 21, 2005.

12) Andreoli, C. Lasorte, G. Chiamulera, C. Un modello di formazione, servizio e ricerca per la medicina generale: il portale eDott. Tutor 4: 7-12, 2004.

11) Chiamulera, C.. Il Continuum (The Continuum). Tobaccology, 3, 6-7, 2004.

10) Tinghino,B., Zagà, V., Gremigni, P., Tosto, L., Muru, M., Braga, L., Mangiaracina, G., Chiamulera, C.. Studio osservazionale sull'uso di un integratore amino-fitoterapico nella cessazione dell'abitudine tabagica (Osservational study on the use of a aminoacids & phytotherapic integrator in smoking cessation). Tobaccology, 3, 18-22, 2003.

9) Zagà, V., Chiamulera, C.. Dipendenza da tabacco: dalle origini ai giorni nostri (Tobacco dependence: from origin to the present). Pneumology & Infectivology News, 5(4): 13-17, 2003.

8) Chiamulera, C. Genetica & Tabagismo (Genetic & Tobacco Addiction). Tobaccology, 1, 29-32, 2003.

7) Chiamulera, C. L’instaurarsi della dipendenza da nicotina (The initiation of nicotine dependence). Rassegna di Patologia dell’Apparato Respiratorio, 17: 251-254, 2002.

6) Magarotto, S., Chiamulera, C. Neuroimaging: visualizzazione cerebrale per lo studio delle tossicodipendenze (Neuroimaging for investigation on drug addiction). DiPAV Quaderni, 5: 57-72, 2002.

5) Chiamulera, C. Le reti neurali nelle neuroscienze (Neural networks in Neuroscience). DiPAV Quaderni, 5: 35-56, 2002.

4) Chiamulera, C. Neuroscienze della dipendenza da nicotina e del tabagismo (Neuroscience of nicotine and tobacco dependence). Newsletter Pneumologia, Anno 2(2/3): 12-15, 2002.

3) Chiamulera, C., Gaviraghi, G. Strategie per lo studio dei meccanismi biologici della tossicodipendenza. (Strategies for studying the biological mechanisms of drug dependence). KOS, 128: 28-31, 1996.

2) Chiamulera, C., Reggiani, A. Potenziali attivita' terapeutiche per gli antagonisti 5-HT3: Evidenze sperimentali di farmacologia preclinica. (Potential therapeutic activities for 5-HT3 antagonists: preclinical pharmacological evidencies). Quaderni Italiani di Psichiatria, X (6), 483-490, 1991.

1) Fabbri L., Chiamulera, C. La scoperta della serotonina: il contributo di Vittorio Erspamer. (The discovery of serotonin: Vittorio Erspamer's contribution). Quaderni Italiani di Psichiatria, X (6), 449-453, 1991.

Books

2) Realtà Virtuale: Le esperienze virtuali tra tecnologia e cervello. Hachette, Milano. 2019. ISSN 2611-1454

(*Spanish version:* Realidad Virtual: Las claves de la interaccion entre tecnologia y cerebro humano. EMSE EDAPP, Barcelona. 2019. ISBN 978-84- 17506-74-2)

1. Aftercare & Post-Prevention nelle Addiction: verso il benessere (Ed.). Edizioni Publiedit, Cuneo, Roma. 2019

Chapters in books

25) Chiamulera C. La mente tra cervello e tecnologia digitale. In: Dipendenze e Disturbi da Tecnologie Digitali. (Ed.) Edizioni Publiedit, Cuneo, Roma. 2023. Pp. 74-94.

24) Chiamulera C. Il cambiamento di paradigma: opportunità dalla teoria alla pratica. In: Plasticità Cerebrale nelle Dipendenze Patologiche, Stimolazione Magnetica Transcranica e Realtà Virtuale (Ed.) Edizioni Publiedit, Cuneo, Roma. 2019. Pp. 17-44.

23) Chiamulera C., Baretti M., Mantovani S., Hinnenthal I., Cibin M. Gli spazi dell’aftercare e post-prevention: dal servizio al progetto. In: Aftercare & Post-Prevention nelle Addiction: verso il benessere (Ed.). Edizioni Publiedit, Cuneo, Roma. 2019. Pp. 273-295

22) Chiamulera C., Cibin M. Farmaci e integratori oltre il sintomo. In: Aftercare & Post-Prevention nelle Addiction: verso il benessere (Ed.). Edizioni Publiedit, Cuneo, Roma. 2019. Pp. 257-271

21) Chiamulera C. Ambiente arricchito: dai neuroni alla neuro-architettura. In: Aftercare & Post-Prevention nelle Addiction: verso il benessere (Ed.). Edizioni Publiedit, Cuneo, Roma. 2019.pp. 41-60

20) Cibin M., Chiamulera C. Il benessere come target del trattamento. In: Aftercare & Post-Prevention nelle Addiction: verso il benessere (Ed.). Edizioni Publiedit, Cuneo, Roma. 2019.pp. 27-39

19) Tinghino B., Chiamulera C. Metodo scientifico ed evidenze. In: Aftercare & Post-Prevention nelle Addiction: verso il benessere (Ed.). Edizioni Publiedit, Cuneo, Roma. 2019.pp.13-25

18) Chiamulera C. Adattamento della risposta alle sostanze e tossicodipendenza. In: Farmacologia generale e molecolare. A cura di: Clementi F, Fumagalli G., Edra, Milano, 2018. Pp. 191-199.

17) Perduca M., Chiamulera C. Nanofarmacologia. In: Farmacologia generale e molecolare. A cura di: Clementi F, Fumagalli G., Edra, Milano, 2018. Pp. 63-68.

16) Chiamulera C. Adattamento della risposta alle sostanze e tossicodipendenza. In: Farmacologia generale e molecolare. A cura di: Clementi F, Fumagalli G., UTET, Milano, 2016. Pp. 77-86.

15) Chiamulera C. Adaptation to drug response and drug dependence. In: General and Molecular Pharmacology, Eds. Clementi F. & Fumagalli G., Wiley, Hoboken, pp-121-129. 2015 (Co-Editor).

14) Tedesco, V., G. Collo, G., Chiamulera, C. Mechanisms of ketamine induced neuroplasticity: Potential effects on brain and behaviour. In: Ketamine Use and Abuse, Ed. David T. Yew, Taylor & Francis, Boca Raton, pp. 301-324. 2014

13) Chiamulera C. Meccanismi neurobiologici della dipendenza da nicotina e aspetti comportamentali. In: Modelli e guida alla conduzione di gruppi. A cura di: Tinghino B., SEEd, Torino, 2014. Pp: 103-112.

12) Chiamulera C. Aspetti comportamentali e psicologici nel tabagismo. In: Aiutare a smettere di fumare? E’ più facile di quanto pensi. A cura di: Lugoboni F., SEEd, Torino, 2012. Pp: 87-91.

11) Chiamulera C. La dipendenza neurochimica. In: Aiutare a smettere di fumare? E’ più facile di quanto pensi. A cura di: Lugoboni F., SEEd, Torino, 2012. Pp: 81-86.

10) Chiamulera C. Adattamento della risposta alle sostanze e tossicodipendenza. In: Farmacologia generale e molecolare. A cura di: Clementi F, Fumagalli G., UTET, Milano, 2012. Pp. 75-84.

9) Fumagalli G, Chiamulera C. Steroidi anabolizzanti androgeni. In: Il doping e le sostanze dopanti. A cura di: Bartolini F., Giovannini MG, Pellegrini-Giampietro D, Maya Idee Edizioni, Verona, 2012. Pp.221-264.

8) Chiamulera C, Fumagalli G. Deprimenti del Sistema Nervoso Centrale: Alcol e Benzodiazepine. In: Il doping e le sostanze dopanti. A cura di: Bartolini F., Giovannini MG, Pellegrini-Giampietro D, Maya Idee Edizioni, Verona, 2012. Pp.171-186.

7) Leone R., Chiamulera C., Fumagalli G., Prevenzione del doping. In: La promozione della salute nelle scuole: prevenzione delle dipendenze. A cura di: De Santi A., Guerra R., Filipponi F., Minutillo A., Istituto Superiore di Sanità, Roma, 2009.

6) Chiamulera C, Enea D, Pulerà N, Tinghino B, Zagà V, Mangiaracina G. Educazione sanitaria e prevenzione delle malattie croniche respiratorie da tabagismo (*Healthcare education and prevention of tobacco related chronic pulmonary diseases*).. In: La Salute del Respiro. Fattori di Rischio, Epidemiologia, Costi e Impatto Sociale delle Malattie Respiratorie nella Realtà Sanitaria Italiana. A cura di: Testi R, Rizzini P, Dal Negro RW, Mangiacavallo A, Viegi G., FrancoAngeli editore, Milano, 2009. ISBN 978-88-568-0591-8.

5) Markou, A., Chiamulera, C., West, R. Contribution of Animal Models and Preclinical Human Studies to Medication Development for Nicotine Dependence. In: Animal and Translational Models for CNS Drug Discovery, Vol. 3 of 3: Reward Deficit Disorders, Robert McArthur and Franco Borsini (eds), Academic Press, 2008.

4) Chiamulera, C. Aspetti farmacologici del trattamento del paziente tabagista. In: Strumenti teorici, metodologici e operativi per Pianificatori Regionali, ed.: Bosi, S.. Lega Tumori, Reggio Emilia, 2007. pp- 107-109.

3) Chiamulera, C., Leone, R., Fumagalli, G. Cocaina nel doping sportivo. (Cocaine in doping) In: Cocaina, eds. Serpelloni, G., Macchia, T., Gerra, G.. Progetto Start Dip. Naz. Politiche Antidroga, Verona, 2006. pp- 193-204.

2) Corsi, M., Ugolini, A., Quartaroli, M., Chiamulera, C., Corti, C., Maraia, G., Conquet, F., Ferraguti, F. PLC-coupled metabotropic glutamate receptors modulate nociceptive transmission. In: Metabotropic Glutamate Receptors and Brain Function, eds. F. Moroni, F. Nicoletti and D.E. Pellegrini-Giampietro, Portland Press Proceedings, 1998. pp- 37-47.

1) Chiamulera, C., Ferraguti, F. Glutamate receptor targeted toxins. Introduction. In: Guidebook to Protein Toxins and their use in Cell Biology, eds. R. Rappuoli and C. Montecucco, Oxford Univ. press, Oxford, 1997. pp- 247-248.

Contributions in books

1. Understanding nicotine and tobacco addiction, No. 275, Novartis Foundation Symposium. Wiley, London, 2006. ISBN:0-470-01657-4.