

## CURRICULUM VITAE

**Cristiano V. Chiamulera**

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### **Social contacts**

[UniVr Institutional](#)

[ResearchGate](#)

### **Overall Contribution to Science:**

*(Scopus; 13/03/2020)*

Total papers: 87 research papers in international peer-reviewed journals, 25 paper in Italian journals, 2 books, 23 book chapters

Total citations: 2671 (Scopus); 3761 (Google Scholar)

h factor: 24 (Scopus); 29 (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, Italy.

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

2018-present: President of the Undergraduate Course in Biomedical Technician, Univ. Verona.

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

### **Previous Job Positions & Professional Qualifications:**

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

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:**

2018-present: Course of "Pharmaco-toxicology" (10 hours), 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-present: Course of "Pharmacology" (56 hours), Course of Dental Medicine, School of Medicine, Univ. of Verona.

2012-present: Course of "Pharmacology" (48 hours), Course of Exercise and Sport Medicine, School of Medicine, Univ. of Verona.

2011-present: Lecturer, Postgraduate School of Pharmacovigilance, School of Medicine, Univ. of Verona.

2013-2019: Course of "Nano-Pharmacology" (30 hours), 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" (21 hours), Course of Biomedical Laboratory Technician, Univ. of Verona.

2011-2016: Course of "Sport and Drugs" (24 hours), 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" (20 hours), Faculty of Exercise and Sport Medicine, Univ. of Verona.

2007-2013: Course of "Neuropsychopharmacology" (12 hours), 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" (24 hours), Faculty of Exercise and Sport Medicine, Univ. of Verona.

2008-2010: Course of "Pharmacology" (24 + 16 hours), 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" (20 hours), Faculty of Exercise and Sport Medicine, Univ. of Verona.

2007-2008: Course of "Neuropsychopharmacology" (12 hours), Course in Dental Medicine, Faculty of Medicines, Univ. of Verona.

2007-2008: Course of "Drug Addiction and Sport" (25 hours), Faculty of Exercise and Sport Medicine, Univ. of Verona.

2006-2010: Course of "Biomedicine III" (8 hours), Faculty of Exercise and Sport Medicine, Univ. of Verona.

2005-2010: Course of "Pharmacology" (10 hours), Postgraduate School of Clinical Biochemistry, Faculty of Medicine, Univ. of Verona, Italy.

2003- 2005: Adjunct Professor of Informatics, Univ. of Verona, Italy.

2003-2004: Adjunct Professor of Psychobiology, Univ. of Verona, Italy.

1999-2002: Adjunct Professor of Pharmacology & Toxicology, Univ. of Padua, Italy.

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, Italy.

1993-2006: Lecturer, Ph.D course of "Pharmacology", Department of Pharmacology, Univ. of Padua, Italy.

1986: Co-Instructor, Course of "Experimental Pharmacology", Department of Pharmacology, Univ. of Padua, Italy.

### **Appointments in Healthcare Services:**

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).

**Academic Appointments:**

2013-present: Professor, PhD Course in Neuroscience, Univ. of Verona.

2011-present: Professor and Member of the Scientific C.tee, Postgraduate School of Pharmacovigilance, School of Medicine, Univ. of Verona.

2011-2017: Professor, Postgraduate Specialization School of Forensic Medicine, School of Medicine, Univ. of Verona.

2005-2010: Professor, Postgraduate Specialization School of Clinical Biochemistry, Faculty of Medicine, Univ. of Verona, Italy.

**Membership in Professional Societies:**

**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

**Present**

EMCCS - European Molecular and Cellular Cognition Society

MCCS - Molecular and Cellular Cognition Society

SIF - Italian Society of Pharmacology:

Co-founder of the Addiction Workgroup

SINS - Italian Society of Neuroscience

SITD - Italian Society for Drug Addiction

MNS – Mediterranean Neuroscience Society

EBPS - European Behavioural Pharmacology Society:

Executive C.tee member; General Secretary 2013-2018; Meeting Secretary 2013-2015

**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-presente).

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

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)

**Editorial Activities:**

**Editorial Activities:**

Neuroscience & Biobehavioural Reviews (Editorial Board Member); Frontiers, Neuroscience (Associate Editor); Frontiers, section Neuropharmacology (Review Editorial Board Member); Frontiers, Psychiatry (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

***Co-Editor of the journal***

Tobaccology

**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

***Research cited by:***

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**

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

- 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  $\alpha$ -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  $\alpha$ 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.  
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 self-administration 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, selectively 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/fpsy.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/fpsy.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.  
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