CURRICULUM VITAE

Family Name: María Cecilia Scorza Arló
Date and place of birth: April 23, 1969. Montevideo, Uruguay.
Citizenship: Uruguayan
Languages: Spanish, English
Professional address: Instituto de Investigaciones Biológicas Clemente Estable (IIBCE). Avenida Italia 3318 (11600), Montevideo, Uruguay.
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Current Position:

2013 to date. Head of the Department of Experimental Neuropharmacology, IIBCE, Montevideo, Uruguay. Phone: (598) 24871616, ext. 115.

2022-2025. President of the Directive Council of IIBCE (Institutional management).

Academic Degrees:

1992. Degree in Biology, School of Science, Universidad de la República, Montevideo, Uruguay.
1995. Master in Biology, Neuroscience, Programa de Desarrollo de Ciencias Básicas (PEDECIBA), Uruguay. Director Dr. Rodolfo Silveira and Dr. Bruce Cassels (Chile).
2001. Ph.D. in Neuroscience-Neuropsycopharmacology, PEDECIBA, Uruguay. Director Dr. Rodolfo Silveira.
2002-2004. Postdoc position in the Department of Neurochemistry and Neuropharmacology, Instituto de Investigaciones Biomédicas de Barcelona, IDIBAPS-CSIC. Director Prof. Francesc Artigas.

Previous Position Held

1998-2004. Research Lecturer - Laboratory of Cell Biology, IIBCE.
2004-2013. Associate Professor - Laboratory of Cell Biology, IIBCE.
2013-to date. Head of the Department of Experimental Neuropharmacology, IIBCE.

Research interests:

Neurobiological basis of affective disorders and their treatment.
Neurobiological basis of psychotic disorders and their treatment.
Neurochemistry and neuropharmacology of monoamines in mammalian brain.
Novel antidepressant and antipsychotic strategies.
Drugs of abuse and substance use disorders.
Therapeutic potential of psychedelic drugs.
Medicinal use of Cannabis and Cannabinoids.
Gut-brain axis and potential psychobiotic strategies.

Professional Society Memberships:

(a) Sociedad Uruguaya de Biociencias del Uruguay (SUB) 2002 - to date.
(b) Sociedad de Neurociencias del Uruguay (SNU) 2004 - to date
(c) Asociación Uruguaya de Ciencia y Tecnología de Animales de Laboratorio (AUCYTAL) 2009 - to date.
(d) Society for Neuroscience, 2019.
(e) International Society for Neurochemistry (ISN) 2017-2020.

Honors and Awards:

(a) PEDECIBA, MSc. Fellowship, Uruguay 1995-1997.
(b) PEDECIBA, Ph.D. Fellowship, Uruguay, 1997-2001.
(c) Fundación Carolina, Postdoctoral Fellowship, Spain, 2002-2004.
(d) National Research Fund, Researcher Level I, Ministry of Education and Culture-CONICYT, Montevideo, Uruguay, 1999-2001.
(e) IBRO Felloswship to attend International the Workshop of Neuropsychiatry "Neuropsychiatric diseases and corticostriatal systems", INECO, Buenos Aires, Argentina**,** 2013.
(f) Member of the National System of Researchers (Uruguay). Level I, 2009-2013.
(g) Award of the National Board of Drugs, "Pasta base de cocaína: de los mitos a las evidencias", 2013, Uruguay.
(h) Member of the National System of Research from ANII, Level II, 2014-2021.
(i) Award of the National Board of Drugs, "La adulteración con cafeína aumenta el poder adictivo de la pasta base de cocaína", 2015, Uruguay.
(j) Professor of the Program for the Development of Basic Science (PEDECIBA)- Biology, Uruguay (highest category), 2018 to date.
(k) Award of the Government of Montevideo - Daniel Vidart Prize: Medicinal, therapeutic, industrial and food use of Cannabis, 2019, Uruguay.
(l) Member of the National System of Research from ANII, Level III (highest category), 2022-to date.
(m) National Award- "Morosoli" Prize in Science and Technology - Applied Research, 2022.

Reviewer Activities

(a) Reviewer of several peer-reviewed scientific journals
(b) Reviewer of national postgraduate fellowship, National Agency of Research and Innovation (ANII)
(c) Reviewer of national research grants, ANII
(d) Reviewer for the National System of Researchers of Uruguay - Medical Sciences (evaluation of applications)
(e) Reviewer of research projects Commission for Scientific Research (CSIC) - Universidad de la República, Uruguay

(f) Reviewer of UBACYT (Fund for Research Fellowships of the Universidad de Buenos Aires, Argentina). Comisión Asesora de Ciencias Básicas y Biológicas, Argentina, 2014, External reviewer.
(g) Reviewer of research projects for the Programa Paraguayo para el Desarrollo de la Ciencia y Tecnología (PROCIENCIA, Paraguay), 2015. External reviewer.
(h) Reviewer of Neuroscience Schools Initiatives ISN, 2019.
(i) Reviewer of Travel Awards ISN, 2019
(j) Reviewer of the National system of researchers - Medical Sciences (evaluation of applications), National System of Researchers of Panamá, 2023
(k) Reviewer of UBACYT (Fund for Research Fellowships of the Universidad de Buenos Aires). Comisión Asesora de Ciencias Básicas y Biológicas, Argentina, 2023, External reviewer.

Scientific publications

Research articles

Neuroprotective Effect of a Pharmaceutical Extract of Cannabis with High Content on CBD Against Rotenone in Primary Cerebellar Granule Cell Cultures and the Relevance of Formulations. Echeverry C, Richeri A, Fagetti J, Martínez GF, Vignolo F, Prunell G, Cuñetti L, Martínez Busi M, Pérez S, de Medina VS, Ferreiro C, **Scorza C.** Cannabis Cannabinoid Res. In press, **2023**.
https://pubmed.ncbi.nlm.nih.gov/37155642/

Discrimination of motor and sensorimotor effects of phencyclidine and MK-801: Involvement of GluN2C-containing NMDA receptors in psychosis-like models. Tarrés-Gatius M, López-Hill X, Miquel-Rio L, Castarlenas L, Fabius S, Santana N, Vilaró MT, Artigas F, **Scorza C**, Castañé A *Neuropharmacology*. 213:1090792022, **2022**.
https://pubmed.ncbi.nlm.nih.gov/35561792/

Probiotic potential of GABA-producing lactobacilli isolated from Uruguayan artisanal cheese starter cultures. Lozano J, Fernández-Ciganda S, González Revello Á, Hirigoyen D, Martínez M, **Scorza C**, Zunino P. *J Appl Microbiol*. 133:1610-1619, **2022.**
https://pubmed.ncbi.nlm.nih.gov/35699653/

A Comparative In Vitro Study of the Neuroprotective Effect Induced by Cannabidiol, Cannabigerol, and Their Respective Acid Forms: Relevance of the 5-HT1A Receptors. Echeverry C, Prunell G, Narbondo C, de Medina VS, Nadal X, Reyes-Parada M, **Scorza C.** *Neurotox Res*. 39:335-348, **2021**.
https://pubmed.ncbi.nlm.nih.gov/32886342/

Constituents of Cannabis sativa. Echeverry C, Reyes-Parada M, **Scorza C.** Adv Exp Med Biol. 1297:1-9, **2021**.
https://pubmed.ncbi.nlm.nih.gov/33537933/

Chronic high-fat diet affects food-motivated behavior and hedonic systems in the nucleus accumbens of male rats. Arcego DM, Krolow R, Lampert C, Toniazzo AP, Garcia EDS, Lazzaretti C, Costa G, **Scorza C**, Dalmaz C. Appetite. 153:104739, **2020.**
https://pubmed.ncbi.nlm.nih.gov/32439602/

Cannabidiol Prevents the Expression of the Locomotor Sensitization and the Metabolic Changes in the Nucleus Accumbens and Prefrontal Cortex Elicited by the Combined Administration of Cocaine and Caffeine in Rats. Prieto JP, López Hill X, Urbanavicius J, Sanchez V, Nadal X, **Scorza C**. *Neurotox Res*. 38:478-486, **2020.**
https://pubmed.ncbi.nlm.nih.gov/32415526/

A Single Administration of the Atypical Psychedelic Ibogaine or Its Metabolite Noribogaine Induces an Antidepressant-Like Effect in Rats. Rodríguez P, Urbanavicius J, Prieto JP, Fabius S, Reyes AL, Havel V, Sames D, **Scorza C**, Carrera I. *ACS Chem Neurosci*. 11:1661-1672, **2020**.
https://pubmed.ncbi.nlm.nih.gov/32330007/

Molecular changes in the nucleus accumbens and prefrontal cortex associated with the locomotor sensitization induced by coca paste seized samples. Prieto JP, González B, Muñiz J, Bisagno V, **Scorza C**. *Psychopharmacology (Berl)*. 237:1481-1491, **2020.**
https://pubmed.ncbi.nlm.nih.gov/32034449/

Melanin-concentrating hormone (MCH) in the median raphe nucleus: Fibers, receptors and cellular effects. Pascovich C, Lagos P, Urbanavicius J, Devera A, Rivas M, Costa A, López Hill X, Falconi A, **Scorza C**, Torterolo P. Peptides. 126:170249, **2020.**
https://pubmed.ncbi.nlm.nih.gov/31911169/

Microbiota intestinal, probióticos y salud mental. **Scorza C**., Piccini, C., Zunino, P. *Rev Psiquiatr Urug*. 83:33-42, **2019**.
http://spu.org.uy/sitio/wp-content/uploads/2019/10/04_REV_02.pdf

Melanin-concentrating hormone in the Locus Coeruleus aggravates helpless behavior in stressed rats. Urbanavicius J, Fabius S, Roncalho A, Joca S, Torterolo P, **Scorza C**. *Behav Brain Res*. 374:112120, **2019**.
https://pubmed.ncbi.nlm.nih.gov/31376444/

Alterations in the Gut Microbiota of Rats Chronically Exposed to Volatilized Cocaine and Its Active Adulterants Caffeine and Phenacetin. **Scorza C**, Piccini C, Martínez Busi M, Abin Carriquiry JA, Zunino P. *Neurotox Res*. 35(1):111-121, **2019.**
https://www.ncbi.nlm.nih.gov/pubmed/30066173

Ibogaine Administration Modifies GDNF and BDNF Expression in Brain Regions Involved in Mesocorticolimbic and Nigral Dopaminergic Circuits. Marton S, González B, Rodríguez-Bottero S, Miquel E, Martínez-Palma L, Pazos M, Prieto JP, Rodríguez P, Sames D, Seoane G, **Scorza C**, Cassina P, Carrera I. *Front Pharmacol.* 10:193, **2019.**
https://www.ncbi.nlm.nih.gov/pubmed/30890941

EEG 40 Hz Coherence Decreases in REM Sleep and Ketamine Model of Psychosis. Castro-Zaballa S, Cavelli ML, Gonzalez J, Nardi AE, Machado S, **Scorza C**, Torterolo P. Front Psychiatry. 9:766, **2019**.
https://www.ncbi.nlm.nih.gov/pubmed/30705645

Identification and Quantification of Cocaine and Active Adulterants in Coca-Paste Seized Samples: Useful Scientific Support to Health Care. Abin-Carriquiry JA, Martínez-Busi M, Galvalisi M, Minteguiaga M, Prieto JP, **Scorza MC**. *Neurotox Res,* **2018.**
https://www.ncbi.nlm.nih.gov/pubmed/29536266

Ibogaine acute administration in rats promotes wakefulness, long-lasting REM sleep suppression and a distinctive motor profile. Joaquín González, José Pedro Prieto, Paola Rodríguez, Matías Cavelli, Luciana Benedetto, Alejandra Mondino, Mariana Pazos, Gustavo Seoane, Atilio Falconi, Ignacio Carrera, **Cecilia Scorza**, Pablo Torterolo. *Frontiers in Pharmacology, section Neuropharmacology*, 9:374, **2018.**
https://www.ncbi.nlm.nih.gov/pubmed/29755349

Caffeine as an adulterant of coca paste seized samples: preclinical study on the rat sleep-wake cycle. Schwarzkopf N, Lagos P, Falconi A, **Scorza C**, Torterolo P. *Behav Pharmacol*. 29(6):519-529, **2018.**
https://www.ncbi.nlm.nih.gov/pubmed/30036272

Amphetamine, but not methylphenidate, increases ethanol intake in adolescent male, but not in female, rats. Paul Ruiz, Aldo Calliari, Patricia Genovese, **Cecilia Scorza**, Ricardo Marcos Pautassi. *Bain and Behavior*, 8(4):e00939, **2018.**
https://doi.org/10.1002/brb3.939

Clozapine blockade of MK-801-induced learning/memory impairment in the mEPM: Role of 5-HT1A receptors and hippocampal BDNF levels. López Hill X, Richeri A, **Scorza MC**. *Physiol and Behav.* 179:346-352, **2017.**
https://www.ncbi.nlm.nih.gov/pubmed/28705535

Cocaine and Caffeine Effects on the Conditioned Place Preference Test: Concomitant Changes on Early Genes within the Mouse Prefrontal Cortex and Nucleus Accumbens. Muñiz JA, Prieto JP, González B, Sosa MH, Cadet JL, **Scorza C**, Urbano FJ, Bisagno V. *Front Behav Neurosci*. 11:200, **2017.**
https://www.ncbi.nlm.nih.gov/pubmed/29093669

Caffeine Induces a Stimulant Effect and Increases Dopamine Release in the Nucleus Accumbens Shell Through the Pulmonary Inhalation Route of Administration in Rats. Galvalisi M, Prieto JP, Martínez M, Abin-Carriquiry JA, **Scorza C**. *Neurotox Res.* 31(1): 90-98, **2017.**
https://www.ncbi.nlm.nih.gov/pubmed/27631327

Melanin-concentrating hormone projections to the dorsal raphe nucleus: an immunofluorescence and *in vivo* microdialysis study. Urbanavicius J, Lagos P, Torterolo P, **Scorza C**. *Journal of Chemical Neuroanatomy* 72:16-24, **2016.**

http://www.ncbi.nlm.nih.gov/pubmed/26686290

Caffeine, a common active adulterant of cocaine, enhances the reinforcing effect of cocaine and its motivational value. Prieto JP, **Scorza C**, Serra GP, Perra V, Galvalisi M, Abin-Carriquiry JA, Piras G, Valentini V. *Psychopharmacology (Berl)* 233(15-16):2879-89, **2016.** https://www.ncbi.nlm.nih.gov/pubmed/27270948

Neonatal handling causes impulsive behavior and decreased pharmacological response to methylphenidate in male adult wistar rats. Lazzaretti C, Kincheski GC, Pandolfo P, Krolow R, Toniazzo AP, Arcego DM, Couto-Pereira Nde S, Zeidán-Chuliá F, Galvalisi M, Costa G, **Scorza C**, Souza TM, Dalmaz C. *Journal of Integrative Neuroscience* 15(1):81-95. **2016.** https://www.ncbi.nlm.nih.gov/pubmed/30266584

Melanin-concentrating hormone (MCH): role in REM sleep and depression. Torterolo P**, Scorza C**, Lagos P, Urbanavicius J, Benedetto L, Pascovich C, Lopez Hill X, Chase MH, Monti J. *Frontiers in Neuroscience* 9:475. **2015.** http://www.ncbi.nlm.nih.gov/pubmed/26733789

Caffeine enhances and accelerates the expression of sensitization induced by coca paste indicating its relevance as a main adulterant. Prieto, JP, Galvalisi M, López Hill X, Meikle MN, Abin-Carriquiry JA, **Scorza C**. *American Journal on Addictions* 24(5): 475-81, **2015.** http://www.ncbi.nlm.nih.gov/pubmed/25974755

Measure of anxiety-related behaviors and hippocampal BDNF levels associated to the amnesic effect induced by MK-801 evaluated in the modified elevated plus-maze in rats. López Hill X, Richeri A, **Scorza C.** *Physiology and Behavior* 147: 359-363, **2015.** http://www.ncbi.nlm.nih.gov/pubmed/25992477

Neonatal handling causes impulsive behavior and decreased pharmacological response to methylphenidate in male adult wistar rats. Lazzaretti C, Kincheski GC, Pandolfo P, Krolow R, Toniazzo AP, Arcego DM, Couto-Pereira NS, Zeidán-Chuliá F, Galvalisi M, Costa G, **Scorza C**, Souza TM, Dalmaz C. *J Integr Neurosci.* 15(1):81-95, **2015.** http://www.ncbi.nlm.nih.gov/pubmed/26620193

Prodepressive effect induced by microinjections of MCH into the dorsal raphe: time course, dose dependence, effects on anxiety-related behaviors and reversion by nortriptyline. Urbanavicius J, Lagos P, Torterolo P, **Scorza C**. *Behavioural Pharmacology* 25: 316-324, **2014.** http://www.ncbi.nlm.nih.gov/pubmed/25006977

Avances en el estudio de la neurobiología de la depresión: rol de la hormona concentradora de melanina. Torterolo P, **Scorza C**, Urbanavicius J, Devera A, Benedetto L, Pascovich C, Lagos P, Chase MH, Monti J. *Revista Médica del Uruguay* 30: 8-16, **2014**. http://www.rmu.org.uy/revista/30/2/2/es/8/resumen/

The median raphe nucleus participates in the depressive-like behavior induced by MCH: Differences with the dorsal raphe nucleus. López Hill X, Pascovich C, Urbanavicius J, Torterolo P, **Scorza C.** *Peptides* 50: 96-99, **2013.**
http://www.ncbi.nlm.nih.gov/pubmed/24126282

Anti-aggressive effect elicited by Coca-Paste in isolation-induced aggression of male rats: influence of accumbal dopamine and cortical serotonin. Meikle MN, Prieto JP, Urbanavicius J López Hill X, Abin-Carriquiry JA, Prunell G, **Scorza C.** *Pharmacology Biochemistry and Behavior* 110: 216-223, **2013.**
http://www.ncbi.nlm.nih.gov/pubmed/23891757

Role of the anterior thalamic nucleus in the motor hyperactivity induced by systemic MK-801 administration in rats. López Hill X, **Scorza C.** *Neuropharmacology* 62(7): 2440-6, **2012.**
https://www.ncbi.nlm.nih.gov/pubmed/22353285

Preclinical and clinical characterization of the selective serotonin-1A receptor antagonist DU-125530 for antidepressant treatment. **Scorza MC**, Lladó-Pelfort L, Oller S, Cortés R, Puigdemont D, Portella MJ, Pérez-Egea R, Alvarez E, Celada P, Pérez V, Artigas F. *British J Pharmacol* 167(5):1021-34, **2012**.
https://www.ncbi.nlm.nih.gov/pubmed/22050051

Prieto JP, Meikle MN, Lopez Hill X, Urbanavicius X, Abin Carriquiry A, Prunell G, **Scorza C**. Relevancia del adulterante activo cafeína en la acción estimulante de la pasta base de cocaína. *Revista de Psiquiatría del Uruguay*, 76(1): 35-48, **2012.**
http://www.spu.org.uy/revista/oct2012/04_TO%203.pdf

Lopez Hill X, Prieto JP, Meikle MN, Urbanavicius J, Umpiérrez E, Abin Carriquiry A, Prunell G, **Scorza C**. Coca-paste seized samples characterization: chemical analysis, stimulating effect in rats and relevance of caffeine as a major adulterant. *Behav Brain Res.* 221(1): 134-41, **2011.**
https://www.ncbi.nlm.nih.gov/pubmed/21392540

Depressive-like profile produced by MCH microinjections into the dorsal raphe nucleus evaluated in the forced swim test. Lagos P, Urbanavicius J, **Scorza C**, Miraballes R, Torterolo P. *Behav Brain Res*., 218(2): 259-66, **2011.**
https://www.ncbi.nlm.nih.gov/pubmed/21056060

Increase in locomotor activity after acute administration of the nicotinic receptor agonist 3-bromocytisine in rats. Abin Carriquiry JA, Urbanavicius J, **Scorza C**, Rebolledo-Fuentes M, Wonnacott S, Cassels BK, Dajas F. *Eur J Pharmacol.* 634(1-3):89-94, **2010**.
https://www.ncbi.nlm.nih.gov/pubmed/20184877

Dopamine Release Induced by Atypical Antipsychotics in Prefrontal Cortex Requires 5-HT_{1A} But Not 5-HT_{2A} Receptors. Bortolozzi A, Masana M, Díaz-Mataix L, Cortés R, **Scorza MC**, Gingrich JA, Toth M, Artigas F. *Int J Neuropsychopharmacol.* 17: 1-16, **2010.**
https://www.ncbi.nlm.nih.gov/pubmed/20158933

Clozapine does not require 5-HT1A receptors to block the locomotor hyperactivity induced by MK-801. **Scorza MC**, Castañé A, Bortolozzi A, Artigas F. *Neuropharmacol.* 59(1-2): 112-20, **2010.**
https://www.ncbi.nlm.nih.gov/pubmed/20412811

Primer estudio pre-clínico de la acción de Pasta Base de Cocaína en el Sistema Nervioso Central. Meikle MN, Urbanavicius J, Umpiérrez E, Abin Carriquiry A, Prunell G, **Scorza MC.** *Revista Psiquiatría del Uruguay* 73(1): 25-36, **2009.**
https://www.researchgate.net/publication/289098541

Prefrontal cortex lesions cause only minor effects on the hyperlocomotion induced by MK-801 and its reversal by clozapine. **Scorza MC**, Meikle MN, Hill XL, Richeri A, Lorenzo D, Artigas F. *Int. J of Neuropsychopharmacol.* 1(4): 519-32, **2008.**
https://www.ncbi.nlm.nih.gov/pubmed/18248688

The activation of 5-HT2A receptors in prefrontal cortex enhances dopaminergic activity. Bortolozzi A, Díaz-Mataix L, **Scorza MC**, Celada P, Artigas F. *J of Neurochem.* 95(6):1597-607, **2005**.
https://pubmed.ncbi.nlm.nih.gov/16277612/

Involvement of 5-HT1A receptors in prefrontal cortex in the modulation of dopaminergic activity: role in atypical antipsychotic action. Díaz-Mataix L, **Scorza MC**, Bortolozzi A, Toth M, Celada P, Artigas F. *J of Neurosci.* 25(47):10831-43, **2005**.
https://pubmed.ncbi.nlm.nih.gov/16306396/

Desensitization of 5-HT(1A) autoreceptors by a low chronic fluoxetine dose effect of the concurrent administration of WAY-100635. Hervás I, Vilaró MT, Romero L, **Scorza MC**, Mengod G, Artigas F. *Neuropsychopharmacology*, 24(1):11-20, **2001**.
https://pubmed.ncbi.nlm.nih.gov/11106871/

Effects of chronic oestrogen treatment are not selective for uterine noradrenaline-containing sympathetic nerves: a transplantation study. Brauer MM, Chávez-Genaro R, Llodrá J, Richeri A, **Scorza MC.** *J Anat.* 196,(Pt 3):347-55, **2000**.
https://pubmed.ncbi.nlm.nih.gov/10853957/

Effects of 5-HT-releasing agents on the extracellullar hippocampal 5-HT of rats. Implications for the development of novel antidepressants with a short onset of action. **Scorza C**, Silveira R, Nichols DE, Reyes-Parada M. *Neuropharmacology,* 38(7):1055-61, **1999**.
https://pubmed.ncbi.nlm.nih.gov/10428424/

Dopaminergic pharmacology and antioxidant properties of pukateine, a natural product lead for the design of agents increasing dopamine neurotransmission. Dajas-Bailador FA, Asencio M, Bonilla C, **Scorza MC**, Echeverry C, Reyes-Parada M, Silveira R, Protais P, Russell G, Cassels BK, Dajas F. *Gen Pharmacol.* 32(3):373-9, **1999**.
https://pubmed.ncbi.nlm.nih.gov/10211594/

Differential effects of prepubertal chronic oestrogen treatment on the synthesis of noradrenaline in uterine myometrial and perivascular sympathetic nerves. Brauer MM, Llodrá J, Scorza MC, Chávez R, Burnstock G, Thrasivoulu C, Cowen T. *Int J Dev Neurosci.* 17(4):295-303, **1999**.
https://pubmed.ncbi.nlm.nih.gov/10479065/

Effects of the D3 preferring dopamine agonist pramipexole on sleep and waking, locomotor activity and striatal dopamine release in rats. Lagos P, **Scorza C**, Monti JM, Jantos H, Reyes-Parada M, Silveira R, Ponzoni A. *Eur Neuropsychopharmacol.* 8(2):113-20, **1998**.
https://pubmed.ncbi.nlm.nih.gov/9619689/

Monoamine oxidase inhibitory properties of some methoxylated and alkylthio amphetamine derivatives: structure-activity relationships. Scorza MC, Carrau C, Silveira R, Zapata-Torres G, Cassels BK, Reyes-Parada M. *Biochem Pharmacol.* 54(12):1361-9, **1997**.
https://pubmed.ncbi.nlm.nih.gov/9393679/

(+/-)-1-(2,5-Dimethoxy-4-ethylthiophenyl)-2-aminopropane (ALEPH-2), a novel putative anxiolytic agent lacking affinity for benzodiazepine sites and serotonin-1A receptors. Reyes-Parada M, **Scorza C**, Romero V, Silveira R, Medina JH, Andrus D, Nichols DE, Cassels BK. *Naunyn Schmiedebergs Arch Pharmacol.* 354(5):579-85, **1996**.
https://pubmed.ncbi.nlm.nih.gov/8938655/

Behavioral effects of the putative anxiolytic (+/-)-1-(2,5-dimethoxy-4-ethylthiophenyl)-2-aminopropane (ALEPH-2) in rats and mice. Scorza MC, Reyes-Parada M, Silveira R, Viola H, Medina JH, Viana MB, Zangrossi H Jr, Graeff FG. *Pharmacol Biochem Behav.* 54(2):355-61, **1996**.
https://pubmed.ncbi.nlm.nih.gov/8743595/

Sleep and waking in 5,7-DHT-lesioned or (-)-pindolol-pretreated rats after administration of buspirone, ipsapirone, or gepirone. Monti JM, Jantos H, Silveira R, Reyes-Parada M, **Scorza C.** *Pharmacol Biochem Behav.* 52(2):305-12, **1995**.
https://pubmed.ncbi.nlm.nih.gov/8577795/

Depletion of brain serotonin by 5,7-DHT: effects on the 8-OH-DPAT-induced changes of sleep and waking in the rat. Monti JM, Jantos H, Silveira R, Reyes-Parada M, **Scorza C**, Prunell G. *Psychopharmacology (Berl).* 115(1-2):273-7, **1994**.
https://pubmed.ncbi.nlm.nih.gov/7532312/

Monoamine oxidase inhibitory effects of some 4-aminophenethylamine derivatives. Reyes-Parada M, **Scorza MC**, Silveira R, Dajas F, Costa G, Tipton KF, Cassels BK. *Biochem Pharmacol.* 47(8):1365-71, **1994**.
https://pubmed.ncbi.nlm.nih.gov/7514408/

4-Dimethylaminophenethylamine, a sensitive, specific, electrochemically detectable monoamine oxidase-B substrate. Reyes-Parada M, Scorza MC, Silveira R, Dajas F, Cassels BK. Life Sci. 54(25):1955-63, **1994**.
https://pubmed.ncbi.nlm.nih.gov/8201844/

Book chapters

Neuroprotection by the cannabis-related products, cannabidiol and cannabigerol, and their associated mechanisms of action. Chapter 17, Carolina Echeverry, Jimena Fagetti, Miguel Reyes-Parada, **Cecilia Scorza**. In book: Medicinal Usage of Cannabis and Cannabinoids, *In press* **2023**. DOI: 10.1016/B978-0-323-90036-2.00039-9

Pulmonary Inhalation to Assess Effects of Coca Paste on Behavior and Dopamine Neurotransmission. **Scorza, C**., Prieto, J.P., Fabius, S., Galvalisi, M. In: Fuentealba-Evans, J.A., Henny, P. (eds) Dopaminergic System Function and Dysfunction: Experimental Approaches. Neuromethods, vol 193. Humana, New York, NY. 0716-2799-0_7, **2023.**

Caffeine as an Active Adulterant: Implication for Drugs of Abuse Consumption. Scorza, C., Prieto, J.P., Fabius, S. In: Patel, V.B., Preedy, V.R. (eds) Handbook of Substance Misuse and Addictions. Springer, Cham, **2022**.

Neuroprotection by the cannabis-related products, cannabidiol and cannabigerol, and their associated mechanisms of action. Echeverry C, Fagetti J, Reyes-Parada M, **Scorza C.** Editor(s): Victor R. Preedy, Vinood B. Patel, Colin R. Martin, Medicinal Usage of Cannabis and Cannabinoids, Academic Press, pp: 197-205, **2023.**

Cannabinoids and Sleep: molecular, functional and clinical aspects. Chapter 1: *"Constituents of Cannabis sativa"*. Echeverry C, Reyes-Parada M, **Scorza C**. Springer International Publishing AG, Dr. Jaime Monti (ed). **2020***.*

Melanin-concentrating hormone and Sleep. Chapter 11: *"MCH and Depression"*. Urbanavicius J, Lopez X, Lagos P, Torterolo P, **Scorza C**. Springer International Publishing AG, part of Springer Nature, S. R. Pandi-Perumal et al. (eds.), pp: 195-206, **2018.**

OAS Cataloging-in-Publication Data, *"Análisis De Caracterización Química De Cocaínas Fumables"*. **Scorza C**, Abin-Carriquiry JA, Galvalisi M, Prieto JP, Martínez M. **2017.**

Supervision of Graduate and Postgraduate students

Finished

(a) Ximena Lopez Hill, Graduate Student, School of Science-IIBCE, Uruguay 2008-2010.
(b) Ma. Noel Meikle, Graduate Student, School of Science-IIBCE, Uruguay 2008-2010.
(c) Paola Bacigalupo, Graduate Student, School of Science-IIBCE, Uruguay 2010-2011.
(d) José Pedro Prieto, Graduate Student, School of Science-IIBCE, Uruguay 2011-2012.
(e) Martín Galvalisi, Graduate Student, School of Science-IIBCE, Uruguay 2012-2013.
(f) Micaela Sureda, Graduate Student, School of Science-IIBCE, Uruguay 2014-2015.
(g) Maria Noel Meikle, Master of Science, PEDECIBA-IIBCE, Uruguay 2010-2012.
(h) Ximena López, Master of Science, PEDECIBA-IIBCE, Uruguay 2010-2012.
(i) José Pedro Prieto, Master of Science, PEDECIBA- IIBCE, Uruguay 2013-2015.

(j) Jessika Urbanavicius, Ph.D. PEDECIBA-IIBCE, Uruguay 2010-2015.
(k) Ronald McGregor-Armas, Ph.D. PEDECIBA-UCLA, Uruguay-USA 2009-2015.
(l) Martín Galvalisi, Master of Science, PEDECIBA-IIBCE, Uruguay 2014-2016.
(m) Jessika Urbanavicius, Ph.D., Postdoctoral Fellow in IIBCE, Uruguay 2016-2018.
(n) Paola Bacigalupo, Master of Science student, PEDECIBA-IIBCE, Uruguay 2016-2017.
(o) Ximena López, Ph.D. PEDECIBA-IIBCE, 2015-2019.
(p) José Pedro Prieto, Ph.D. PEDECIBA-IIBCE, 2016-2019.
(q) Marcela Martínez, Ph.D. PEDECIBA-IIBCE, 2016-2019.
(r) Paola Rodríguez, Master of Science, PEDECIBA-School of Chemistry-IIBCE, Uruguay, 2018-2020.

In progress

a) Sara Fabius, Master of Science, PEDECIBA-IIBCE, Uruguay, 2020-2023.
(b) Jimena Fagetti, Master of Science, PEDECIBA-IIBCE, Uruguay, 2020-2023.
(c) Diego Flores Luna, Master of Science, PEDECIBA-IIBCE, Uruguay, 2022-2024.
(d) Valentina Pereti, Master of Science, PEDECIBA-IIBCE, Uruguay, 2023-2025.
(e) Paola Rodriguez, Ph.D., PEDECIBA-IIBCE, Uruguay, 2018-2023.

Research Grants (2009-2023)

ANII - Fondo Clemente Estable (Uruguay): Role of the ENT1 adenosine transporter in the therapeutic potential of Cannabidiol for psychostimulant substance use disorder. Dr. **C. Scorza**- PI. 2022-2024.

ANII - Fondo Clemente Estable (Uruguay): Gut-brain axis: role of gut microbiota in cocaine-induced effects. Dr. Pablo Zunino- PI / Dr. **C. Scorza**- Researcher (2020 - 2022)

ANII - Fondo Clemente Estable (Uruguay): Medicinal use of Cannabinoids: search for a THC:CBD or THC:CBG combination that enhances its action as neuroprotective agents and improve their cerebral bioavailability. Dr. Carolina Etcheverry- PI / Dr. **C. Scorza**- Researcher. 2019-2021.

DICYT- Fondo Vaz Ferreira: Umbilical cord and its innervation. Possible mechanisms that explain growth retardation intrauterine, low birth weight and premature infants of mothers chronically cocaine consumers. Dr. Analía Richeri-PI / Dr. **C. Scorza**- Researcher. 2019-2021.

ANII - Fondo Clemente Estable (Uruguay): Therapeutic potential of Cannabidiol on behavioral and molecular changes induced by Cocaine Base Paste. FCE_3_2018_1_149210. Prieto José Pedro- PI / Dr. **C. Scorza**- Researcher. 2019-2021.

ANII - Fondo Clemente Estable (Uruguay): Melanin-concentrating hormone (MCH): a new player in the neurobiology of depression. Study of the interaction with the noradrenergic nucleus Locus Coeruleus. Urbanavicius J- PI / Dr. **C. Scorza**- Researcher. 2018-2020.

CICAD-OEA (Organization of American Countries): Smoked cocaine. Analysis and chemical characterization of smoked forms of cocaine. Methodological issues and concepts to achieve systemic information in regional countries like Argentina, Brazil, Chile, Paraguay and Uruguay. Dr. **C. Scorza**-PI. 2014-2015.

ANII - Fondo Clemente Estable (Uruguay): Factors and mechanisms implied in the rewarding effect of coca-paste: relevance to understand the high abuse liability in active consumers. Prieto José Pedro - PI / Dr. **C. Scorza**-Co-PI. 2014-2016.

ANII - Applied Research Grant Fondo María Viñas (Uruguay): GDNF inductors as anti-addictive substances: synthesis and in vitro and in vivo evaluation of iboganie derivatives as a therapeutic potential for the addiction treatment. Dr. I Carrera-PI / Dr. **C. Scorza**- Researcher. 2015-2017.

ANII - Fondo Clemente Estable (Uruguay): Progress in the study of neurobiological basis of depression: role of the melanin concentration hormone. Mechanism of action. Dr. Pablo Torterolo - PI / Dr. **C. Scorza**-Co-PI. 2012-2014.

ANII - Fondo Sectorial de Salud (Uruguay): Preclinical study of anatomical, functional and behavioral changes induced by coca-paste seized samples. Dr. **C. Scorza**-PI. 2011-2013

ANII - Alto Impacto Social (Uruguay): Consumption of Cocaine Base Paste: contributions from scientific research to the problems observed in the clinic. Dr. **C. Scorza**-PI. 2009-2011

Member of Organizing Committees and Teaching experience

IBRO Schools of Neuroscience in Montevideo-Uruguay **1996-2009**; 1st. Latin American School of Neurochemistry, Montevideo-Uruguay **2009**; Ricardo Miledi School of Neuroscience, **2011**; ISN School of Neurochemistry - 2nd Latin American School of Advanced Neurochemistry: "The synapse in health and disease, Montevideo-Uruguay **2012**; 3rd ISN Latin American School of Advanced Neurochemistry “Experimental approaches to brain diseases”, Montevideo-Uruguay **2014**. Latin American Training Program “From molecular and cellular neuroscience to cognition: clues to understand brain diseases” Montevideo-Uruguay, **2016**; ISN School of Neurochemistry-4th ISN School of Advanced Neurochemistry: “Brain pathologies and natural products”, Montevideo-Uruguay, **2017**. Minisymposium “Phytoplant Research”: an update of clinical benefit and risks of medical Cannabis. 4th ISN School of Neurochemistry, Montevideo- Uruguay, **2017**. Postgraduate course “Cannabis and cannabinoids: chemistry, pharmacology and clinical applications course", Montevideo-Uruguay, **2019**. International Society for Neurochemistry School “Investigating cannabinoid function in the nervous system: mechanism of action and biomedical implications” **2022** Madrid-Spain. Latin American Training Program “Molecules, Cells and circuits: understanding nervous system mechanisms”, Montevideo-Uruguay, **2022**.

Scientific Networks

2020 to date. Founder Member of CannaLatan (Latin-American Network on Cannabis) - CYTED (Spain) https://www.cyted.org/es/cannalatan

2021-2023. Member of the Ibero American Network for clinical and pre-clinical research on addictions and problematic substance use (RICPA), created at the initiative of an AUIP call, https://auip.org/es/

Institutional Management Experience

2022-2025. President of the Institute Directive Council - IIBCE
2019-2021. Member of the Directive Council of FAICE (Fundación de Apoyo al IIBCE- https://www.faice.org.uy/)
2013-2016. Member of the Directive Council-IIBCE, as Coordinator of Neuroscience Division.
2012 to date. Member of the Ethics committee for the Use of Experimental Animals at IIBCE (CEUA-IIBCE).
2009-2015. Member of the National Ethics Committee on Animal Experimentation (CNEA) (Uruguayan Government).
2021-2023. Vice President of the Board of Directors of Investiga uy - Uruguayan Association of Researchers.

Scientific sites

ORCID
https://orcid.org/0000-0002-8207-0146?lang=en

ResearchGate
https://www.researchgate.net/profile/Cecilia-Scorza

Google Scholar
https://scholar.google.com/citations?hl=es&user=NAWhVPMAAAAJ

Institutional Website
https://www.gub.uy/ministerio-educacion-cultura/politicas-y-gestion/departamento-neurofarmacologia-experimental

Personal Website

https://ceciliascorza.uy/

Social networks

Twitter
@CeciliaScorza

LinkedIn
Cecilia Scorza
https://www.linkedin.com/in/cecilia-scorza-38908bab/?originalSubdomain=uy