

CURRICULUM VITAE

PERSONAL INFORMATION	
<i>Name</i>	MARIA ANTONIETTA DE LUCA
<i>E-mail</i>	DELUCA@UNICA.IT
<i>Position</i>	PHD, ASSOCIATE PROFESSOR OF PHARMACOLOGY FACULTY OF BIOLOGY AND PHARMACY DEPARTMENT OF BIOMEDICAL SCIENCES UNIVERSITY OF CAGLIARI, ITALY
PROFILE	
<i>Brief description</i>	After obtaining my M.Sc. in Chemistry and Pharmaceutical Technology, I specialised in Toxicology and obtained my PhD in Pharmacology of Drug Abuse at the University of Cagliari, under the supervision of Prof. G. Di Chiara. During my career I have developed strong expertise in the fields of neurochemistry and behavioural pharmacology, with a major focus on the role of mesolimbic and mesocortical dopaminergic transmission in the origin of drug addiction. I have over 20 years of experience with <i>in vivo</i> microdialysis in rodents for monitoring brain monoamines following administration of drugs of abuse and natural rewards. I also have extensive knowledge of animal models of drug addiction with particular reference to the rewarding properties of cannabinoids. I was PI and head of the research units of national and EU projects on Novel Psychoactive Substances (NPS), including novel synthetic opioids (www.justso-eu.eu). I'm currently Visiting Fellow at the University of Hertfordshire (UK). I have undertaken editorial duties as a reviewer and reviewing editor for international journals. I have a total of 68 publications, 40 of which are in Q1 (SJR) journals with an average IF >5. According to Scopus: H index 29; total citations: 2942.
WORK EXPERIENCE	
<i>From 1st October 2019 to present</i>	Associate Professor University of Cagliari, Department of Biomedical Sciences
<i>From 10th December 2020 to present</i>	Visiting Fellow Department of Clinical, Pharmaceutical and Biological Science University of Hertfordshire (Hatfield, UK)
<i>From 1st February 2006 to 30th September 2019</i>	Assistant Professor University of Cagliari, Department of Biomedical Sciences
<i>From 26th May 2014 to 26th November 2014</i>	Fulbright Research Scholar Project: "Characterization of mechanisms underlying genetic predisposition toward cannabinoid addiction" in collaboration with Prof. L.H. Parsons-The Scripps Research Institute (TSRI)- La Jolla (CA), USA
<i>From 11th April 2003 to 31st January 2006</i>	Postdoctoral Researcher Project: "Cross-sensitisation between caffeine and drugs of abuse: behavioural and molecular biology studies in the rat", supervisor Prof. M. Morelli-University of Cagliari, Department of Toxicology
<i>From 20th August 2002 to 18th September 2002 and from 12th November 2003 to 5th January 2004</i>	Guest Researcher- Visiting fellow Research activity, project: "Alteration of brain dopamine levels by psychostimulants"; scientific supervisor S.R. Goldberg National Institute on Drug Abuse (NIDA) NIH, (Preclinical Pharmacology

	Section), Baltimore-USA
EDUCATION	
21st February 2013	Specialisation Degree Multidisciplinary Program at National School on Addiction (Ed. 2012) Drug Policies Department, Presidency of the Council of Ministers, Italy
9th January 2006	Doctor of Philosophy (Ph.D.) in Pharmacology of Drug Abuse Mentor: Prof. G. Di Chiara University of Cagliari, Department of Toxicology
11th February 2003	Specialisation in Toxicology (50/50 cum laude) Mentor: Prof. G. Di Chiara University of Cagliari, Department of Toxicology
13th July 1999	M.Sc. (Master of Science) Chemistry and Pharmaceutical Technology (106/110) University of Cagliari, Department of Toxicology
MATERNITY LEAVE	
	From 18 th October 2013 to 18 th March 2014 (L. 1204/1971)
	From 16 th November 2006 to 15 th April 2007 (L. 1204/1971)
SELECTED PUBLICATION	
2024	Piras G, Cadoni C, (...) De Luca MA. Characterization of the Neurochemical and Behavioral Effects of the Phenethylamine 2-CI-4,5-MDMA in Adolescent and Adult Male Rats. Int J Neuropsychopharmacol. 2024 May 1;27(5):pyae016. doi: 10.1093/ijnp/pyae016.
2022	De Luca MA, (...) Di Chiara G, Castelli MP. Pharmacological characterization of novel synthetic opioids: Isotonitazene, metonitazene, and piperidylthiambutene as potent μ-opioid receptor agonists. Neuropharm 2022 Dec 15;221:109263. doi: 10.1016/j.neuropharm.2022.109263.
2022	Margiani G, Castelli MP, (...) De Luca MA. Adolescent self-administration of the synthetic cannabinoid receptor agonist JWH-018 induces neurobiological and behavioral alterations in adult male mice. Psychopharm 2022 Oct;239(10):3083-3102. doi: 10.1007/s00213-022-06191-9. Epub 2022 Aug 9.
2021	Pintori N, Castelli MP, Miliano C, Simola N, Fadda P, Fattore L, Scherma M, Ennas MG, Mostallino R, Flore G, De Felice M, Sagheddu C, Pistis M, Di Chiara G, De Luca MA. Repeated exposure to JWH-018 induces adaptive changes in the mesolimbic and mesocortical dopamine pathways, glial cells alterations and behavioural correlates. Br J Pharmacol. 2021 Apr 10. doi: 10.1111/bph.15494.
2016	Miliano C, Serpelloni G, Rimondo C, Mereu M, Marti M, De Luca MA. Neuropharmacology of New Psychoactive Substances (NPS): Focus on the Rewarding and Reinforcing Properties of Cannabimimetics and Amphetamine-Like Stimulants. Front Neurosci. 2016 Apr 19;10:153. doi:10.3389/fnins.2016.00153.
According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV	
Autorizzo il trattamento dei miei dati personali ai sensi del Dlgs 196 del 30 giugno 2003 e dell'art. 13 GDPR.	