

PERSONAL INFORMATION

Gaetano Di Chiara



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✉ dichiera@unica.it

Sex Male | Date of birth 22/11/1945 | Nationality Italian

WORK EXPERIENCE

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- 2009-date **Director-PhD School in Toxicology**
University of Cagliari, Italy
 - 2009-2012 **Director-International Master in Phytotherapy**
University of Cagliari, Italy
 - 2007-2009 **Director-Centre of Excellence "Neurobiology of Drug Dependence"**
University of Cagliari, Italy
 - 1997-2006 **Dean**
Faculty of Pharmacy, University of Cagliari, Italy
 - 1992—1997 **Head of Department**
Department of Toxicology, University of Cagliari, Italy
 - 1984—1992 **Director-Institute of Experimental Pharmacology and Toxicology**
University of Cagliari, Italy
 - 1980—date **Full Professor of Pharmacology and Pharmacotherapy**
Faculty of Medicine and Surgery and Faculty of Pharmacy, University of Cagliari, Italy
 - 1978—1980 **Assistant Professor**
Faculty of Medicine and Surgery, University of Cagliari, Italy

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EDUCATION AND TRAINING

- 1971—1973 **Post-doctoral fellow**
Laboratory of Chemical Pharmacology, National Institute of Health, Bethesda, MD, USA (BB Brodie's laboratory)
- 1970 **Degree in Medicine and Surgery, Summa cum Laude**
University of Cagliari, Italy

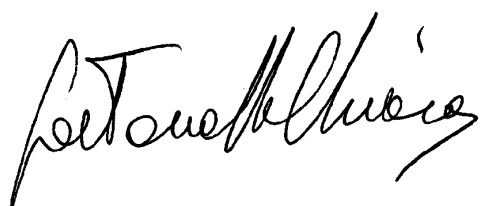
PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B1	B1	B1	B1	B1

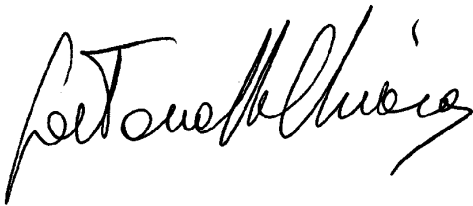
Job-related skills **Contributions to Neuropsychopharmacology**

- 1) Validation of brain microdialysis as a means to investigate dopamine transmission in vivo.
- 2) Role of n. accumbens dopamine in drug reward and dependence
- 3) Medial prefrontal dopamine and antidepressants
- 4) Sedative actions of low doses of dopamine and role of dopamine autoreceptors in the action of dopamine agonists and antagonists



Driving licence A and B

ADDITIONAL INFORMATION

A handwritten signature in black ink, appearing to read 'Gaetano Di Chiara', written in a cursive style.

Scientific Societies

2005-2007 President of SINS (Società Italiana di Neuroscienze)
 2000-2005 Chairman of IBRO Western European Regional Committee
 2000-2002 President of FENS (Federation of European Neuroscience Societies)
 1996-1998 President of EBPS (European Behavioural Pharmacology Society)

Publications from 2003-date

Valentini V, Piras G, De Luca MA, Perra V, Bordi F, Borsini F, Frau R, Di Chiara G (2013). Evidence for a role of a dopamine/5-HT6 receptor interaction in cocaine reinforcement. *NEUROPHARMACOLOGY*, ISSN: 0028-3908, doi: 10.1016/j.neuropharm.2012.08.025

Bassareo V, Cucca F, Cadoni C, Musio P, Di Chiara G (2013). Differential influence of morphine sensitization on accumbens shell and core dopamine responses to morphine- and food-conditioned stimuli. *PSYCHOPHARMACOLOGY*, vol. 225, p. 697-706, ISSN: 0033-3158, doi: 10.1007/s00213-012-2856-0

DE LUCA MA, SOLINAS M, BIMPISIDIS Z, GOLDBERG SR, DI CHIARA G (2012). Cannabinoid facilitation of behavioral and biochemical hedonic taste responses. *NEUROPHARMACOLOGY*, vol. 63, p. 161-168, ISSN: 0028-3908, doi: 10.1016/j.neuropharm.2011.10.018

VALENTINI V, FRAU R, BORDI F, BORSINI F, DI CHIARA G (2011). A microdialysis study of ST1936, a novel 5-HT6 receptor agonist. *NEUROPHARMACOLOGY*, vol. 60, p. 602-608, ISSN: 0028-3908, doi: 10.1016/j.neuropharm.2010.12.006

DE LUCA MA, BIMPISIDIS Z, BASSAREO V, DI CHIARA G (2011). Influence of morphine sensitization on the responsiveness of mesolimbic and mesocortical dopamine transmission to appetitive and aversive gustatory stimuli. *PSYCHOPHARMACOLOGY*, vol. 216, p. 345-353, ISSN: 0033-3158, doi: 10.1007/s00213-011-2220-9

DI CHIARA G, VALENTINI V, DE LUCA MA, FENU S (2011). Possibile ruolo dei recettori 5-HT6 nelle dipendenze - Possible role of 5-HT6 receptors in addictions. *ITALIAN JOURNAL ON ADDICTION*, vol. 1, p. 43-48, ISSN: 2239-5652

BASSAREO V, MUSIO P, DI CHIARA G (2011). Reciprocal responsiveness of nucleus accumbens shell and core dopamine to food- and drug-conditioned stimuli. *PSYCHOPHARMACOLOGY*, vol. 214, p. 687-697, ISSN: 0033-3158, doi: 10.1007/s00213-010-2072-8

FENU S, CADONI C, DI CHIARA G (2010). Conditioned saccharin avoidance and sensitization to drugs of abuse. *BEHAVIOURAL BRAIN RESEARCH*, vol. 214(2), p. 248-253, ISSN: 0166-4328, doi: 10.1016/j.bbr.2010.05.044

ACQUAS E, VINCI S, IBBA F, SPIGA S, DE LUCA MA, DI CHIARA G (2010). Role of dopamine D(1) receptors in caffeine-mediated ERK phosphorylation in the rat brain. *SYNAPSE*, vol. 64, p. 341-349, ISSN: 0887-4476, doi: 10.1002/syn.20732

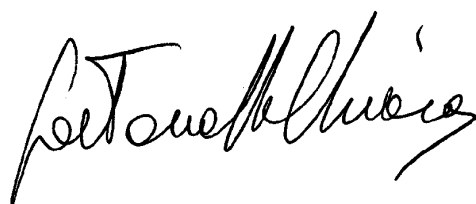
FENU S, RIVAS E, DI CHIARA G (2009). Differential involvement of dopamine D(1) receptors in morphine- and lithium-conditioned saccharin avoidance. *PHYSIOLOGY & BEHAVIOR*, vol. 96, p. 73-77, ISSN: 0031-9384, doi: 10.1016/j.physbeh.2008.08.017

CADONI C, MUTO T, DI CHIARA G (2009). Nicotine differentially affects dopamine transmission in the nucleus accumbens shell and core of Lewis and Fischer 344 rats. *NEUROPHARMACOLOGY*, vol. 57, p. 496-501, ISSN: 0028-3908, doi: 10.1016/j.neuropharm.2009.07.033

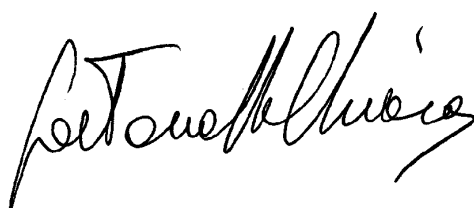
SIMOLA N, DI CHIARA G, DANIELS WM, SCHALLERT T, MORELLI M (2009). Priming of rotational behavior by a dopamine receptor agonist in Hemiparkinsonian rats: movement-dependent induction. *NEUROSCIENCE*, vol. 158, p. 1625-1631, ISSN: 0306-4522, doi: 10.1016/j.neuroscience.2008.11.009

CADONI C, VALENTINI V, DI CHIARA G (2008). Behavioral sensitization to delta 9-tetrahydrocannabinol and cross-sensitization with morphine: differential changes in accumbal shell and core dopamine transmission. *JOURNAL OF NEUROCHEMISTRY*, vol. 106, p. 1586-1593, ISSN: 0022-3042, doi: 10.1111/j.1471-4159.2008.05503.x

CARTA AR, MORENO CC, CADONI C, TRONCI E, DI CHIARA G (2008). Long-term increase in GAD67 mRNA expression in the central amygdala of rats sensitized by drugs and stress. *EUROPEAN JOURNAL OF NEUROSCIENCE*, vol. 27, p. 1220-1230, ISSN: 0953-816X, doi: 10.1111/j.1460-9568.2008.06095.x



- DE LUCA MA, BASSAREO V, BAUER A, DI CHIARA G (2007). Caffeine and accumbens shell dopamine. JOURNAL OF NEUROCHEMISTRY, vol. 103, p. 157-163, ISSN: 0022-3042, doi: 10.1111/j.1471-4159.2007.04754.x
- CADONI C, DI CHIARA G (2007). Differences in dopamine responsiveness to drugs of abuse in the nucleus accumbens shell and core of Lewis and Fischer 344 rats. JOURNAL OF NEUROCHEMISTRY, vol. 103, p. 487-499, ISSN: 0022-3042, doi: 10.1111/j.1471-4159.2007.04795.x
- PISANU A, ACQUAS E, FENU S, DI CHIARA G (2006). Modulation of Delta(9)-THC-induced increase of cortical and hippocampal acetylcholine release by micro opioid and D(1) dopamine receptors. NEUROPHARMACOLOGY, vol. 50, p. 661-670, ISSN: 0028-3908, doi: 10.1016/j.neuropharm.2005.11.023
- LECCA D, CACCIAPAGLIA F, VALENTINI V, DI CHIARA G (2006). Monitoring extracellular dopamine in the rat nucleus accumbens shell and core during acquisition and maintenance of intravenous WIN 55,212-2 self-administration. PSYCHOPHARMACOLOGY, vol. 188, p. 63-74, ISSN: 0033-3158, doi: 10.1007/s00213-006-0475-3
- FENU S, SPINA L, RIVAS E, LONGONI R, DI CHIARA G (2006). Morphine-conditioned single-trial place preference: role of nucleus accumbens shell dopamine receptors in acquisition, but not expression. PSYCHOPHARMACOLOGY, vol. 187, p. 143-153, ISSN: 0033-3158, doi: 10.1007/s00213-006-0415-2
- SPINA L, FENU S, LONGONI R, RIVAS E, DI CHIARA G (2006). Nicotine-conditioned single-trial place preference: selective role of nucleus accumbens shell dopamine D1 receptors in acquisition. PSYCHOPHARMACOLOGY, vol. 184, p. 447-455, ISSN: 0033-3158, doi: 10.1007/s00213-005-0211-4
- LECCA D, CACCIAPAGLIA F, VALENTINI V, GRONLI J, SPIGA S, DI CHIARA G (2006). Preferential increase of extracellular dopamine in the rat nucleus accumbens shell as compared to that in the core during acquisition and maintenance of intravenous nicotine self-administration. PSYCHOPHARMACOLOGY, vol. 184, p. 435-446, ISSN: 0033-3158, doi: 10.1007/s00213-005-0280-4
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- DI CHIARA G (2005). Dopamine in disturbances of food and drug motivated behavior: a case of homology?. PHYSIOLOGY & BEHAVIOR, vol. 86, p. 9-10, ISSN: 0031-9384, doi: 10.1016/j.physbeh.2005.06.020
- CADONI C, SOLINAS M, PISANU A, ZERNIG G, ACQUAS E, DI CHIARA G (2005). Effect of 3,4-methylenedioxymethamphetamine (MDMA, "ecstasy") on dopamine transmission in the nucleus accumbens shell and core. BRAIN RESEARCH, vol. 1055, p. 143-148, ISSN: 0006-8993, doi: 10.1016/j.brainres.2005.07.002
- V. VALENTINI, F. CACCIAPAGLIA, R. FRAU, DI CHIARA G (2005). Selective serotonin reuptake blockade increases extracellular dopamine in noradrenaline-rich isocortical but not prefrontal areas: dependence on serotonin-1A receptors and independence from noradrenergic innervation. JOURNAL OF NEUROCHEMISTRY, vol. 93, p. 371-382, ISSN: 0022-3042, doi: 10.1111/j.1471-4159.2005.03030
- DI CHIARA G, BASSAREO V, FENU S, DE LUCA MA, SPINA L, CADONI C, ACQUAS E, CARBONI E, VALENTINI V, LECCA D (2004). Dopamine and drug addiction: the nucleus accumbens shell connection. NEUROPHARMACOLOGY, vol. 47, p. 227-241, ISSN: 0028-3908, doi: 10.1016/j.neuropharm.2004.06.032
- CASINI A, PINNA A, TOOYAMA I, KIMURA H, DI CHIARA G, RENDA TG. (2004). Fate of (D-Ala2)-deltorphin-I-like immunoreactive neurons in 6-hydroxydopamine lesioned rat brain. EUROPEAN JOURNAL OF HISTOCHEMISTRY, vol. 48, p. 135-140, ISSN: 1121-760X
- VALENTINI V, FRAU R, DI CHIARA G (2004). Noradrenaline transporter blockers raise extracellular dopamine in medial prefrontal but not parietal and occipital cortex: differences with mianserin and clozapine. JOURNAL OF NEUROCHEMISTRY, vol. 88, p. 917-927, ISSN: 0022-3042



BASSAREO V, DE LUCA MA, ARESU M, ASTE A, ARIU T, DI CHIARA G (2003). Differential adaptive properties of accumbens shell dopamine responses to ethanol as a drug and as a motivational stimulus. EUROPEAN JOURNAL OF NEUROSCIENCE, vol. 17, p. 1465-1472, ISSN: 0953-816X, doi: 10.1046/j.1460-9568.2003.02556.x

CARBONI E, SILVAGNI A, VALENTINI V, DI CHIARA G (2003). Effect of amphetamine, cocaine and depolarization by high potassium on extracellular dopamine in the nucleus accumbens shell of SHR rats. An in vivo microdialysis study. NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS, vol. 27, p. 653-659, ISSN: 0149-7634, doi: 10.1016/j.neubiorev.2003.08.008

FENU S, DI CHIARA G (2003). Facilitation of conditioned taste aversion learning by systemic amphetamine: role of nucleus accumbens shell dopamine D1 receptors. EUROPEAN JOURNAL OF NEUROSCIENCE, vol. 18, p. 2025-2030, ISSN: 0953-816X

VIGANÒ D, RUBINO T, DI CHIARA G, ASCARI I, MASSI P, PAROLARO D (2003). Mu opioid receptor signaling in morphine sensitization. NEUROSCIENCE, vol. 117, p. 921-929, ISSN: 0306-4522, doi: 10.1016/S0306-4522(02)00825-4

CADONI C, SOLINAS M, VALENTINI V, DI CHIARA G (2003). Selective psychostimulant sensitization by food restriction: differential changes in accumbens shell and core dopamine. EUROPEAN JOURNAL OF NEUROSCIENCE, vol. 18, p. 2326-2334, ISSN: 0953-816X, doi: DOI: 10.1046/j.1460-9568.2003.02941.x

