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ATTIVITA' DIDATTICA

- Farmacologia ([CdL Medicina e Chirurgia](#))
- Farmacologia (I anno), Farmacologia e Farmacognosia (III e IV anno) ([Scuola di Specializzazione in Farmacologia](#))
- Tossicologia (II anno) ([Scuola di Specializzazione in Anestesia e Rianimazione](#))
- Neuropsicofarmacologia (II anno) ([Scuola di Specializzazione in Psichiatria](#))
- Farmacologia (III anno), Farmacologia e Tossicologia (IV anno) ([Scuola di Specializzazione in Nefrologia](#))

ATTIVITA' DI RICERCA

Neurobiologia di malattie psichiatriche (depressione, disturbo bipolare ecc) e dei farmaci d'abuso in modelli animali transgenici e non

Genetica e comportamento

ELENCO DELLE 10 PUBBLICAZIONI CARATTERIZZANTI

1. Maj PF, Collu M, Fadda P, Cattaneo A, Racagni G, Riva MA. Long-term reduction of brain-derived neurotrophic factor levels and signaling impairment following prenatal treatment with the cannabinoid receptor 1 receptor agonist (R)-(+)-[2,3-dihydro-5-methyl-3-(4-morpholinyl-methyl)pyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]-1-naphthalenylmethanone. *Eur J Neurosci.* 2007 Jun;25(11):3305-11.
2. Fadda P, Bedogni F, Fresu A, Collu M, Racagni G, Riva MA. Reduction of corticostriatal glutamatergic fibers in basic fibroblast growth factor deficient mice is associated with hyperactivity and enhanced dopaminergic transmission. *Biol Psychiatry.* 2007 Aug 1;62(3):235-42.
3. Carta M, Collu M, Fadda F, Stancampiano R. Augmented cocaine-induced accumbal dopamine efflux, motor activity and place preference in rats fed with a tryptophan-deficient diet. *Neurosci Lett.* 2006 Jun 19;401(1-2):125-9.
4. Carta M, Stancampiano R, Tronci E, Collu M, Usiello A, Morelli M, Fadda F. Vitamin A deficiency induces motor impairments and striatal cholinergic dysfunction in rats. *Neuroscience.* 2006;139(4):1163-72.
5. Fadda P, Scherma M, Fresu A, Collu M, Fratta W. Dopamine and serotonin release in dorsal striatum and nucleus accumbens is differentially modulated by morphine in DBA/2J and C57BL/6J mice. *Synapse.* 2005 Apr;56(1):29-38.
6. Fadda P, Scherma M, Fresu A, Collu M, Fratta W. Baclofen antagonizes nicotine-, cocaine-, and morphine-induced dopamine release in the nucleus accumbens of rat. *Synapse.* 2003 Oct;50(1):1-6.

7. D'Aquila PS, Collu M, Gessa GL, Serra G. The role of dopamine in the mechanism of action of antidepressant drugs. *Eur J Pharmacol.* 2000 Sep 29;405(1-3):365-73.
8. Collu M, Poggiu AS, Devoto P, Serra G. Behavioural sensitization of mesolimbic dopamine D2 receptors in chronic fluoxetine-treated rats. *Eur J Pharmacol.* 1997 Mar 19;322(2-3):123-7.
9. Collu M, Poggiu AS, Pani L, Serra G. Fluoxetine-induced conditioned place preference: a preliminary study. *Synapse.* 1997 Mar;25(3):309-11.
10. Wilson C, Nomikos GG, Collu M, Fibiger HC. Dopaminergic correlates of motivated behavior: importance of drive. *J Neurosci.* 1995 Jul;15(7 Pt 2):5169-78.