

- **PUBBLICAZIONI DI MILENA MORETTI**

1. De Camilli P, **Moretti M**, Donini SD, Walter U, Lohmann SM (1986) Heterogeneous distribution of the cAMP receptor protein RII in the nervous system: evidence for its intracellular accumulation on microtubules-organizing centers, and in the area of the Golgi complex. **J. Cell Biol.**, 103: 189-203
2. De Camilli P., Solimena M., **Moretti M.** and Navone F. (1987) Sites of actions of second messengers in the neuronal cytomatrix. In: ntrinsic determinats of the neuronal form, Lasek R.J. and Black M.M. eds, A. L. Liss, New York, pp. 487-520
3. Walaas SI, Lay Y, Gorelik F, De Camilli P, **Moretti M**, Greengard P (1988) Cell-specific localization of the alpha-subunitof calcium/calmodulin -dependent protein kinase II in Purkinje cells in rodent cerebellum. **Brain Research**, 464: 233-242
4. Gotti C., Esparis Ogando A., Hanke W., Schlue R., **Moretti M.**, Clementi F. (1991) Purification and characterization of an alpha-Bungarotoxin receptor that forms a functional nicotinic channel. **Proc. Natl. Acad. Sci. USA**, 88: 3258-3262
5. Gotti C., Esparis-Ogando A., **Moretti M.** and Clementi F. (1992) a-Bungarotoxin receptor from chick optic lobe: biochemical, immunological, and pharmacological characterization. In: **Methods in Neuroscience**, vol.8, Academic Press, pp. 67-85
6. Gotti C., Hanke W., Schlue W.-R., Briscini L., **Moretti M.** and Clementi F. (1992) A functional alpha-Bungarotoxin-receptor is present in chick cerebellum: purification and characterization. **Neuroscience**, 50: 117-128
7. Gotti C., **Moretti M.**, Longhi R., Manera E. and Clementi F. (1993) Anti-peptide specific antibodies for the characterization of different alphasubunits of alpha-Bungarotoxin receptors present in chick optic lobe. **J. Receptor Res.**, 13: 453-465
8. Gotti C, Hanke W, Maury K, **Moretti M**, Ballivet M, Clementi F, and Bertrand D (1994) Pharmacology and biophysical properties of alpha7 and alpha7alpha8 alphaBungarotoxin receptor subtypes immunopurified from chick optic lobe. **Eur. J. Neurosci.**, 6: 1281-1291
9. Gotti C, **Moretti M**, R Longhi, L Briscini, B Balestra, anf F Clementi (1994) Expression of alpha Bungarotoxin receptor subtypes in chick central nervous system during development. **J. Receptor Res.**, 14: 335-346
10. Gotti C, Hanke W, **Moretti M**, Longhi L, Balestra B, Briscini L, and F Clementi (1995) alpha Bungarotoxin receptor subtypes In: **Effects of Nicotine on Biological Systems II**. Edited by PBS Clarke pp 37-44
11. Gotti C, **Moretti M**, Maggi R, Longhi R, Hanke W, Klinke N, and F Clementi (1997) alpha7 and alpha8 nicotinic receptor subtypes immunopurified from chick retina have different immunological, pharmacological and functional properties. **Eur. J. Neurosci.**, 9: 1201-1211
12. Gotti C, Balestra B, Mantegazza R, Tzartos S, **Moretti M** and F Clementi (1997) Detection of antibody classes and subpopulations in MG patients using a new non radioactive enzyme immunoassay. **Muscle and Nerve**, 20: 800-808

13. C Gotti, B Balestra, **M Moretti**, GE Rovati, L Maggi, G Rossoni, F Berti, L Villa, M. Pallavicini and F. Clementi (1998) 4-Oxystilbene compounds are selective ligands for neuronal nicotinic alpha Bungarotoxin receptors. **Br. J. Pharmacol.**, 124: 1197-1206
14. L. Maggi, E. Palma, F. Eusebi, **M. Moretti**, B. Balestra, F. Clementi and C. Gotti. (1999) Selective effects of a stilbene derivative on wild and mutant neuronal chick alpha7 nicotinic receptor. **Br. J. Pharmacol.**, 126: 285-295
15. S. Vailati, W. Hanke, A. Bejan, B. Barabino, R. Longhi, B. Balestra, **M. Moretti**, F. Clementi and C. Gotti. (1999) Functional alpha6-containing nicotinic receptors are present in chick retina. **Mol. Pharmacol.**, 56: 11-19.
16. **M. Moretti**, B. Balestra, R. Longhi R. Mantegazza, F Clementi and C. Gotti (2000) Antibodies against neuronal nicotinic receptor subtypes are present in patients with neurological disorders **J. Neuroimmunol.**, 102: 89-97
17. S. Di Angelantonio, A. Nistri, **M. Moretti**, F Clementi & C. Gotti (2000) Antagonism of nicotinic receptors of rat chromaffin cells by N,N,N-trimethyl-1-(4-*trans*-stilbenoxy)-2-propylammonium iodide: a patch clamp and ligand binding study. **Br. J. Pharmacol.**, 129: 1771-1779
18. C. Gotti, E Carbonnelle, **M Moretti**, R Zwart and F Clementi (2000) Drugs selective for nicotinic receptor subtypes: a real possibility or a dream? **Behaviour Brain Res.**, 113: 183-192
19. S. Vailati, **M. Moretti**, B. Balestra, M. McIntosh, F. Clementi and C. Gotti (2000) alpha3 subunit is present in different nicotinic receptor subtypes in chick retina **Eur. J. Pharmacol.**, 393: 23-30
20. B. Balestra, S. Vailati, **M. Moretti**, W. Hanke F. Clementi and C..(2000) Chick optic lobe contains a developmentally regulated alpha2alpha5beta2 nicotinic receptor subtype. **Mol. Pharmacol.**, 58: 300-311
21. Gotti C, **Moretti M**, Mantegazza R, Fornasari D, Tsouloufis T, and F Clementi (2001) Anti-neuronal nicotinic receptor antibodies in MG patients with thymoma **J. Neuroimmunol.**, 113: 142-145
22. Barabino B, Vailati S, **Moretti M**, McIntosh M, Longhi R, Clementi F and C Gotti (2001) An alpha4beta4 nicotinic receptor subtype is present in chick retina. Identification, characterization and pharmacological comparison with the transfected alpha4beta4 and alpha6beta4 subtypes. **Mol. Pharmacol.**, 59: 1410-1417
23. Del Signore A, Gotti C, De Stefano ME, **Moretti M**, Paggi P. (2002) Dystrophin stabilizes alpha3- but not alpha7-containing nicotinic acetylcholine receptor subtypes at the postsynaptic apparatus in the mouse superior cervical ganglion. **Neurobiol. Dis.**, 10: 1054-66.
24. Zoli M., **Moretti M.**, Zanardi A, McIntosh, Clementi F, and Gotti C (2002). Identification of the nicotinic receptor subtypes expressed on dopaminergic terminals in the rat striatum. **J. Neurosci.**, 22: 8785-8789

25. Vailati S, **Moretti M**, Longhi R, Rovati GE, Clementi F and Gotti C (2003) Developmental expression of heteromeric nicotinic receptor subtypes in chick retina. **Mol. Pharmacol.**, 63: 1329-1337
26. Champiaux N, Gotti C, Cordero-Erausquin M, David D, Przybylski C, Léna C, Le Novère N, del Mar Arroyo-Jimenez M, Clementi F, **Moretti M**, Rossi FM, McIntosh JM, Gardier A, and Changeux J-P (2003) Subunit composition of functional nicotinic receptors in dopaminergic neurons investigated with knockout mice. **J. Neurosci.** 23: 7820-7829
27. Gotti C, Del Signore A, Rizzo A, **Moretti M** and Paggi P (2004) Nicotinic acetylcholine receptor subtypes in rat sympathetic ganglion: pharmacological characterization, subcellular distribution and effect of pre- and postganglionic nerve crush. **J. Neurol. and Exp. Pathol.**, 63: 138-150.
28. **Moretti M**, Vailati S, Zoli M, Lippi G, Riganti L, Longhi R, Viegi A, Clementi F and Gotti C (2004) Nicotinic acetylcholine receptor subtypes expression during rat retina development and their regulation by visual experience. **Mol Pharmacol** 66: 85-96.
29. Gotti C, **Moretti M**, Clementi F, Riganti L, McIntosh JM, Collins AC, Marks MJ and Whiteaker P (2005a) Expression of nigrostriatal alpha6-containing nicotinic acetylcholine receptors is selectively reduced, but not eliminated, by beta3 subunit gene deletion. **Mol. Pharmacol** ., 67: 2007-2015.
30. Gotti C, **Moretti M**, Zanardi A, Gaimarri A, Champiaux N, Changeux JP, Whiteaker P, Marks MJ, Clementi F and Zoli M (2005b) Heterogeneity and selective targeting of neuronal nicotinic acetylcholine receptor (nAChR) subtypes expressed on retinal afferents of the superior colliculus and lateral geniculate nucleus: identification of a new native nAChR subtype alpha3beta2(alpha5 or beta3) enriched in retinocollicular afferents. **Mol. Pharmacol.**, 68: 1162-1171.
31. Gotti C, **Moretti M**, Bohr I, Ziabreva I, Vailati S, Longhi R, Riganti L, Gaimarri A, McKeith IG, Perry RH, Aarsland D, Larsen JP, Sher E, Beattie R, Clementi F and Court JA (2006) Selective nicotinic acetylcholine receptor subunit deficits identified in Alzheimer's disease, Parkinson's disease and dementia with Lewy bodies by immunoprecipitation. **Neurobiol Dis** 23(2):481-489.
32. Gaimarri A, **Moretti M**, Riganti L, Zanardi A, Clementi F and Gotti C (2007) Regulation of neuronal nicotinic receptor traffic and expression. **Brain Res Rev** 55(1):134-143.
33. Gotti C, **Moretti M**, Gaimarri A, Zanardi A, Clementi F and Zoli M (2007) Heterogeneity and complexity of native brain nicotinic receptors. **Biochem Pharmacol** 74(8):1102-1111.
34. Gotti C, **Moretti M**, Meinerz NM, Clementi F, Gaimarri A, Collins AC, Marks MJ (2008) Partial deletion of the nicotinic cholinergic receptor alpha 4 or beta 2 subunit genes changes the acetylcholine sensitivity of receptor-mediated 86Rb+ efflux in cortex and thalamus and alters relative expression of alpha 4 and beta 2 subunits. **Mol Pharmacol** 73:1796-1807.

35. Gotti C, Clementi F, Fornari A, Gaimarri A, Guiducci S, Manfredi I, **Moretti M**, Pedrazzi P, Pucci L, Zoli M (2009) Structural and functional diversity of native brain neuronal nicotinic receptors. **Biochem Pharmacol** **78**:703-711.
36. Grady SR, **Moretti M**, Zoli M, Marks MJ, Zanardi A, Pucci L, Clementi F, Gotti C (2009) Rodent habenulo-interpeduncular pathway expresses a large variety of uncommon nAChR subtypes, but only the alpha3beta4\* and alpha3beta3beta4\* subtypes mediate acetylcholine release. **J Neurosci** **29**:2272-2282.
37. Livingstone PD, Srinivasan J, Kew JN, Dawson LA, Gotti C, **Moretti M**, Shoaib M, Wonnacott S (2009) alpha7 and non-alpha7 nicotinic acetylcholine receptors modulate dopamine release in vitro and in vivo in the rat prefrontal cortex. **Eur J Neurosci** **29**:539-550.
38. Manfredi I, Zani AD, Rampoldi L, Pegorini S, Bernascone I, **Moretti M**, Gotti C, Croci L, Consalez GG, Ferini-Strambi L, Sala M, Pattini L, Casari G (2009) Expression of mutant beta2 nicotinic receptors during development is crucial for epileptogenesis. **Hum Mol Genet** **18**:1075-1088
39. Pallavicini M, Bolchi C, Binda M, Cilia A, Clementi F, Ferrara R, Fumagalli L, Gotti C, **Moretti M**, Pedretti A, Vistoli G, Valoti E (2009) 5-(2-Pyrrolidinyl)oxazolidinones and 2-(2-pyrrolidinyl)benzodioxanes: synthesis of all the stereoisomers and alpha4beta2 nicotinic affinity. **Bioorg Med Chem Lett** **19**:854-859.
40. Gotti C, Guiducci S, Tedesco, V, Corbioli S, Zanetti L, **Moretti M**, Zanardi A, Rimondini R, Mugnaini M, Clementi F., Chiamulera, C, and Zoli, M. (2010) Nicotinic acetylcholine receptors in the mesolimbic pathway: primary role of ventral tegmental area alpha6beta2\* receptors in mediating systemic nicotine effects on dopamine release, locomotion, and reinforcement. **J Neurosci** **30**, 5311-5325.
41. **Moretti M**, Mugnaini M, Tessari, M, Zoli M, Gaimarri A., Manfredi I, Pistillo F, Clementi F, and Gotti C (2010) A comparative study of the effects of the intravenous self-administration or subcutaneous minipump infusion of nicotine on the expression of brain neuronal nicotinic receptor subtypes. **Mol Pharmacol** **78**, 287-296
42. Origlia N, Valenzano DR, **Moretti M**, **Gotti C**, Domenici L (2012) Visual acuity is reduced in alpha 7 nicotinic receptor knockout mice. **Investigative ophthalmology & visual science** **53**: 1211-8
43. Counotte DS, Goriounova NA, **Moretti M**, Smoluch MT, Irth H, Clementi F, Schoffemeer AN, Mansvelde HD, Smit AB, Gotti C\*, Spijker S\* (2012) Adolescent nicotine exposure transiently increases high-affinity nicotinic receptors and modulates inhibitory synaptic transmission in rat medial prefrontal cortex. **FASEB journal** : **26**: 1810-20 (\* co-corresponding authors)
44. **Moretti M**, Zoli M, George AA, Lukas, RJ, Pistillo F, Maskos U, Whiteaker P, Gotti, C, 2014. The novel alpha7beta2-nicotinic acetylcholine receptor subtype is expressed in mouse and human basal forebrain: biochemical and pharmacological characterization. **Mol Pharmacol** **86**, 306-317
45. Slimak MA, Ables, JL, Frahm S, Antolin-Fontes B, Santos-Torres J, **Moretti M**, Gotti C, Ibanez-Tallon I, 2014. Habenular expression of rare missense variants of the beta4 nicotinic receptor subunit alters nicotine consumption. **Front Hum Neurosci** **8**, 12.

46. Ponzoni L, **Moretti M**, Sala M, Fasoli F, Mucchietto V, Lucini V, Cannazza G, Gallesi G, Castellana CN, Clementi F, Zoli M, Gotti C, Braida D. 2015. Different physiological and behavioural effects of e-cigarette vapour and cigarette smoke in mice. **European neuropsychopharmacology** 25(10):1775-86
47. Pistillo F, Fasoli F, **Moretti M**, McClure-Begley T, Zoli M, Marks MJ, Gotti C. Chronic nicotine and withdrawal affect glutamatergic but not nicotinic receptor expression in the mesocorticolimbic pathway in a region-specific manner (2015) **Pharmacol Res** (In Press)