

1. Agnati, L. F., Guidolin, D., Marcoli, M., & Maura, G. (2018). Inner speech mis-exaptation can cause the “Hubris” that speeds up ecosystem over-exploitation. *Neurology Psychiatry and Brain Research*, 30(May), 62–73. <https://doi.org/10.1016/j.npbr.2018.05.006>
2. Porzionato, A., Stocco, E., Guidolin, D., Agnati, L., Macchi, V., & Caro, R. De. (2018). Receptor – Receptor Interactions of G Protein-Coupled Receptors in the Carotid Body : A Working Hypothesis. *Front Physiol*, 9(June), 1–17. <https://doi.org/10.3389/fphys.2018.00697>
3. Rattazzi, M., Faggin, E., Bertacco, E., Nardin, C., Pagliani, L., Plebani, M., ... Pauletto, P. (2018). Warfarin, but not Rivaroxaban, promotes the calcification of the aortic valve in ApoE^{-/-} mice. *Cardiovascular Therapeutics*, e12438. <https://doi.org/10.1111/1755-5922.12438>
4. Albertin, G., Kern, H., Hofer, C., Guidolin, D., Porzionato, A., Rambaldo, A., ... Zampieri, S. (2018). Two years of Functional Electrical Stimulation by large surface electrodes for denervated muscles improve skin epidermis in SCI. *Eur J Transl Myol*, 28(1), 141–145.
5. Guidolin, D., Marcoli, M., Tortorella, C., Maura, G., & Agnati, L. F. (2018). G protein-coupled receptor-receptor interactions give integrative dynamics to intercellular communication. *Reviews in the Neurosciences*. <https://doi.org/10.1515/revneuro-2017-0087>
6. Albertin, G., Hofer, C., Zampieri, S., Vogelauer, M., Löfler, S., Ravara, B., ... Kern, H. (2018). In complete SCI patients, long-term functional electrical stimulation of permanent denervated muscles increases epidermis thickness. *Neurological Research*, 40(4), 277–282. <https://doi.org/10.1080/01616412.2018.1436877>
7. Agnati, L. F., Marcoli, M., Maura, G., Woods, A., & Guidolin, D. (2018). The brain as a “hyper-network”: the key role of neural networks as main producers of the integrated brain actions especially via the “broadcasted” neuroconnectomics. *Journal of Neural Transmission*, 125, 883–897. <https://doi.org/10.1007/s00702-018-1855-7>
8. Agnati, L. F., Guidolin, D., Maura, G., & Marcoli, M. (2018). Functional roles of three cues that provide non-synaptic modes of communication in the brain: electromagnetic field, oxygen and carbon dioxide. *J Neurophysiol*, 119(1), 356–368. <https://doi.org/10.1152/jn.00413.2017>
9. Guidolin, D., Marinaccio, C., Tortorella, C., Annese, T., Ruggieri, S., Finato, N., ... Ribatti, D. (2017). Non-random spatial relationships between mast cells and microvessels in human endometrial carcinoma. *Clin Exp Med*, 17, 71–77.
10. Cervetto, C., Venturini, A., Passalacqua, M., Guidolin, D., Genedani, S., Fuxe, K., ... Agnati, L. F. (2017). A2A-D2 receptor-receptor interaction modulates gliotransmitter release from striatal astrocyte processes. *J Neurochem*, 140, 268–279.
11. Guidolin, D., Marcoli, M., Maura, G., & Agnati, L. F. (2017). New dimensions of connectomics and network plasticity in the central nervous system. *Rev Neurosci*, 28(2), 113–132.
12. Agnati, L. F., Marcoli, M., Agnati, U., Ferraro, L., Guidolin, D., & Maura, G. (2017). The mis-exaptation of the prediction capability of humans and emergence of intolerant religious beliefs. *NEUROLOGY, PSYCHIATRY AND BRAIN RESEARCH*, 23, 43–53.
13. Guidolin, D., Ruggieri, S., Annese, T., Tortorella, C., Marzullo, A., & Ribatti, D. (2017). Spatial distribution of mast cells around vessels and glands in human gastric carcinoma. *Clin Exp Med*.
14. Agnati, L. F., Marcoli, M., Leo, G., Maura, G., & Guidolin, D. (2017). Homeostasis and the concept of “interstitial fluids hierarchy”: relevance of cerebrospinal fluid sodium concentrations and brain temperature control. *Int J Mol Med*, 39, 487–497.
15. De Caro, R., Macchi, V., Porzionato, A., Stecco, C., Galli, S., Albertin, G., ... Tiengo, C. (2017). *Sistema Nervoso Periferico ed Organi di senso* (XII). Piccin Nuova Libreria.
16. Tamma, R., Guidolin, D., Annese, T., Tortorella, C., Ruggieri, S., Rega, S., ... Ribatti, D. (2017). Spatial distribution of mast cells and macrophages around tumor glands in human breast ductal carcinoma. *Exp Cell Res*.
17. Macchi, V., Porzionato, A., Sarasin, G., Petrelli, L., Guidolin, D., Rossato, M., ... De Caro, R. (2016). The infrapatellar adipose body: A histotopographic study. *Cells Tissues Organs*, 201(3). <https://doi.org/10.1159/000442876>
18. Guidolin, D., Tortorella, C., Marcoli, M., Maura, G., & Agnati, L. F. (2016). Neuroglobin, a Factor Playing for Nerve Cell Survival. *International Journal of Molecular Sciences*, 17(11).

19. Agnati, L. F., Guidolin, D., Cervetto, C., Borroto-Escuela, D. O., & Fuxe, K. (2016). Role of iso-receptors in receptor-receptor interactions with a focus on dopamine iso-receptor complexes. *Rev Neurosci*, 27(1), 1–25.
20. Foresta, C., Ubaldi, F. M., Rienzi, L., Franchin, C., Pivato, M., Romano, S., ... De Toni, L. (2016). Early protein profile of human embryonic secretome. *Front Biosci (Landmark Ed)*, 21, 620–634.
21. Agnati, L. F., Marcoli, M., Maura, G., Fuxe, K., & Guidolin, D. (2016). The multi-facet aspects of cell sentience and their relevance for the integrative brain actions: role of membrane protein energy landscape. *Rev Neurosci*, 27(347), 363.
22. Macchi, V., Porzionato, A., Sarasin, G., Petrelli, L., Guidolin, D., Rossato, M., ... De Caro, R. (2016). The Infrapatellar Adipose Body: A Histotopographic Study. *Cells Tissues Organs*.
23. Porzionato, A., Guidolin, D., Macchi, V., Sarasin, G., Grisafi, D., Tortorella, C., ... De Caro, R. (2016). Fractal analysis of alveolarization in hyperoxia-induced rat models of bronchopulmonary dysplasia. *Am J Physiol Lung Cell Mol Physiol*, 310, 680–688.
24. De Caro, R., Macchi, V., Porzionato, A., Stecco, C., Galli, S., Albertin, G., ... Tortorella, C. (2016). *Anatomia Topografica di Munari*. 978-88-299-2778-4: Piccin Nuova Libreria.
25. Seccia, T. M., Caroccia, B., Gioco, F., Piazza, M., Buccella, V., Guidolin, D., ... Rossi, G. P. (2016). Endothelin-1 Drives Epithelial-Mesenchymal Transition in Hypertensive Nephroangiosclerosis. *J Am Heart Assoc*, 5(e003888).
26. Guidolin, D., Tortorella, C., De Caro, R., & Agnati, L. F. (2016). Does a self-similarity logic shape the organization of the nervous system ? In A. Di Ieva (Ed.), *The fractal geometry of the brain* (pp. 137–156). Springer-Verlag.
27. De Toni, L., Guidolin, D., De Filippis, V., Tescari, S., Strapazzon, G., Santa Rocca, M., ... Foresta, C. (2016). Osteocalcin and Sex Hormone Binding Globulin Compete on a Specific Binding Site of GPRC6A. *Endocrinology*, en20161312. <https://doi.org/10.1210/en.2016-1312>
28. Macchi, V., Visentin, S., Rambaldo, A., Porzionato, A., Guidolin, D., Cosmi, E., & De Caro, R. (2016). Vessels of the umbilical cord: an anatomo-microscopic study in normal and pathological newborns. *ITALIAN JOURNAL OF ANATOMY AND EMBRYOLOGY*.
29. Porzionato, A., Guidolin, D., Macchi, V., Mazzarolo, C., Tortorella, C., Sarasin, G., ... De Caro, R. (2016). High-quality digital 3D reconstruction of the terminal pathway of a heart stab wound. *ITALIAN JOURNAL OF ANATOMY AND EMBRYOLOGY*.
30. Guidolin, D., Tortorella, C., Marcoli, M., Maura, G., & Agnati, L. F. (2016). Neuroglobin, a factor playing for nerve cell survival. *Int J Mol Sci*, 17, 1817.
31. Leo, G., Guescini, M., Genedani, S., Stocchi, V., Carone, C., Filaferro, M., ... Agnati, L. F. (2015). Corrigendum to “Acute isoproterenol induces anxiety-like behavior in rats and increases plasma content of extracellular vesicles” [Physiol. Behav. 142 (2015) 79-84]. *Physiology and Behavior*, 143. <https://doi.org/10.1016/j.physbeh.2015.02.052>
32. Leo, G., Guescini, M., Genedani, S., Stocchi, V., Carone, C., Filaferro, M., ... Agnati, L. F. (2015). Acute isoproterenol induces anxiety-like behavior in rats and increases plasma content of extracellular vesicles. *Physiol Behav*, 142, 79–84. <https://doi.org/10.1016/j.physbeh.2015.02.002>
33. Fuxe, K., Guidolin, D., Agnati, L. F., & Borroto-Escuela, D. O. (2015). Dopamine heteroreceptor complexes as therapeutic targets in Parkinson’s disease. *Expert Opin Ther Targets*, 19(3), 377–398. <https://doi.org/10.1517/14728222.2014.981529>
34. Guidolin, D., Fede, C., Albertin, G., & De Caro, R. (2015). Investigating in vitro angiogenesis by computer-assisted image analysis and computational simulation. *Methods Mol Biol*, 1214, 197–214. https://doi.org/10.1007/978-1-4939-1462-3_12
35. Fede, C., Fortunati, I., Weber, V., Rossetto, N., Bertasi, F., Petrelli, L., ... Ferrante, C. (2015). Evaluation of gold nanoparticles toxicity towards human endothelial cells under static and flow conditions. *Microvasc Res*, 97, 147–155. <https://doi.org/10.1016/j.mvr.2014.10.010>
36. Guidolin, D., Agnati, L. F., Marcoli, M., Borroto-Escuela, D. O., & Fuxe, K. (2015). G-protein-coupled receptor type A heteromers as an emerging therapeutic target. *Expert Opin Ther Targets*, 19(2), 265–283. <https://doi.org/10.1517/14728222.2014.981155>

37. Agnati, L. F., Guidolin, D., & Fuxe, K. (2015). Art as a human “instinct-like” behavior emerging from the exaptation of the communication processes. In J. P. Huston, M. Nadal, F. Mora, L. F. Agnati, & C. Cela-Conde (Eds.), *Art, Aesthetics and the Brain* (pp. 426–450). Oxford University Press.
38. De Caro, R., Macchi, V., Porzionato, A., Galli, S., Guidolin, D., Stecco, C., ... Picardi, E. (2015). *Lezioni di Neuroanatomia*. CLEUP.
39. Marcoli, M., Agnati, L. F., Benedetti, F., Genedani, S., Guidolin, D., Ferraro, L., ... Fuxe, K. (2015). On the role of the extracellular space on the holistic behavior of the brain. *Rev Neurosci*, *26*(5), 489–506.
40. Moazedi-Fuerst, F. C., Gruber, G., Stradner, M. H., Guidolin, D., Jones, J. C., Bodo, K., ... Graninger, W. B. (2015). Effect of Laminin-A4 inhibition on cluster formation of human osteoarthritic chondrocytes. *J Orthop Res*.
41. Porzionato, A., Guidolin, D., Macchi, V., Sarasin, G., Mazzatenta, A., Di Giulio, C., ... De Caro, R. (2015). Tissue dynamics of the carotid body under chronic hypoxia: a computational study. *Adv Exp Med Biol*, *860*, 25–39.
42. Guidolin, D., Marinaccio, C., Tortorella, C., Ruggieri, S., Rizzi, A., Maiorano, E., ... Ribatti, D. (2015). A fractal analysis of the spatial distribution of tumoral mast cells in lymph nodes and bone marrow. *Exp Cell Res*.
43. Porzionato, A., Guidolin, D., Macchi, V., Sarasin, G., Rambaldo, A., Grisafi, D., ... De Caro, R. (2015). Fractal analysis of alveolarization in hyperoxia-induced rat models of bronchopulmonary dysplasia. *ITALIAN JOURNAL OF ANATOMY AND EMBRYOLOGY*.
44. Guidolin, D., & Franceschi, F. (2014). Viscosupplementation with high molecular weight native hyaluronan. Focus on a 1500-2000 KDa fraction (Hyalubrix®). *Eur Rev Med Pharmacol Sci*, *18*(21), 3326–3338.
45. Guidolin, D., Porzionato, A., Tortorella, C., Macchi, V., & De Caro, R. (2014). Fractal analysis of the structural complexity of the connective tissue in human carotid bodies. *Front Physiol*, *5*, 432. <https://doi.org/10.3389/fphys.2014.00432>
46. Agnati, L. F., Guidolin, D., Marcoli, M., Genedani, S., Borroto-Escuela, D., Maura, G., & Fuxe, K. (2014). “Neuro-semeiotics” and “free-energy minimization” suggest a unified perspective for integrative brain actions: focus on receptor heteromers and Roamer type of volume transmission. *Curr Protein Pept Sci*, *15*(7), 703–718.
47. Fede, C., Fortunati, I., Petrelli, L., Guidolin, D., De Caro, R., Ferrante, C., & Albertin, G. (2014). An easy-to-handle microfluidic device suitable for immunohistochemical procedures in mammalian cells grown under flow conditions. *Eur J Histochem*, *58*(2), 2360. <https://doi.org/10.4081/ejh.2014.2360>
48. Cristiani, A., Maset, F., De Toni, L., Guidolin, D., Sabbadin, D., Strapazzon, G., ... Foresta, C. (2014). Carboxylation-dependent conformational changes of human osteocalcin. *Front Biosci (Landmark Ed)*, *19*, 1105–1116.
49. Agnati, L. F., Guidolin, D., Maura, G., Marcoli, M., Leo, G., Carone, C., ... Fuxe, K. (2014). Information handling by the brain: proposal of a new “paradigm” involving the roamer type of volume transmission and the tunneling nanotube type of wiring transmission. *J Neural Transm*, *121*(12), 1431–1449. <https://doi.org/10.1007/s00702-014-1240-0>
50. Borroto-Escuela, D. O., Brito, I., Romero-Fernandez, W., Di Palma, M., Oflijan, J., Skieterska, K., ... Fuxe, K. (2014). The G protein-coupled receptor heterodimer network (GPCR-HetNet) and its hub components. *Int J Mol Sci*, *15*(5), 8570–8590. <https://doi.org/10.3390/ijms15058570>
51. Carraro, G., Shrestha, A., Rostkovius, J., Contreras, A., Chao, C.-M., El Agha, E., ... Bellusci, S. (2014). miR-142-3p balances proliferation and differentiation of mesenchymal cells during lung development. *Development*, *141*(6), 1272–1281. <https://doi.org/10.1242/dev.105908>
52. Guidolin, D., Agnati, L. F., Tortorella, C., Marcoli, M., Maura, G., Albertin, G., & Fuxe, K. (2014). Neuroglobin as a regulator of mitochondrial-dependent apoptosis: a bioinformatics analysis. *Int J Mol Med*, *33*(1), 111–116. <https://doi.org/10.3892/ijmm.2013.1564>
53. Agnati, L. F., Genedani, S., Spano, P., Guidolin, D., & Fuxe, K. (2014). Volume Transmission and the Russian-Doll Organization of Brain Cell Networks: Aspects of Their Integrative Actions. In C. Faingold & H. Blumenfeld (Eds.), *Neuronal Networks in Brain Function, CNS Disorders, and Therapeutics* (pp. 103–119). Elsevier Inc.
54. Borroto-Escuela, D. O., Romero-Fernandez, W., Brito, I., Tarakanov, A. O., Guidolin, D., Agnati, L. F., & Fuxe, K. (2014). The receptor–receptor interactions within the cytokine receptor superfamily. Role in neuroinflammation and beyond. *NEUROLOGY, PSYCHIATRY AND BRAIN RESEARCH*.

55. Fede, C., Petrelli, L., Guidolin, D., Fortunati, I., Ferrante, C., De Caro, R., & Albertin, G. (2014). In vitro evaluation of gold nanoparticles toxicity towards human endothelial cells and comparison between static and flow conditions. *ITALIAN JOURNAL OF ANATOMY AND EMBRYOLOGY*.
56. Fuxe, K., Borroto-Escuela, D. O., Guidolin, D., Tarakanov, A., & Agnati, L. F. (2014). The balance and integration of different forms of volume and wiring transmission in the CNS. Relevance for schizophrenia. *NEUROLOGY, PSYCHIATRY AND BRAIN RESEARCH*.
57. Fuxe, K., Borroto-Escuela, D. O., Ciruela, F., Guidolin, D., & Agnati, L. F. (2014). Receptor-receptor interactions in heteroreceptor complexes: a new principle in biology. Focus on their role in learning and memory. *NEUROSCIENCE DISCOVERY*, 2, 6.
58. Macchi, V., Picardi, E., Porzionato, A., D, G., & V, F. (2014). Anatomical study of the pre-segmental and segmental arteries of the kidney and their impact in the nephron-sparing surgery. *ITALIAN JOURNAL OF ANATOMY AND EMBRYOLOGY*.
59. Agnati, L. F., Guidolin, D., Battistin, L., Pagnoni, G., & Fuxe, K. (2013). The neurobiology of imagination: possible role of interaction-dominant dynamics and default mode network. *Front Psychol*, 4, 296. <https://doi.org/10.3389/fpsyg.2013.00296>
60. Agnati, L. F., Guidolin, D., Woods, A. S., Ciruela, F., Carone, C., Vallenga, A., ... Fuxe, K. (2013). A new interpretative paradigm for Conformational Protein Diseases. *Curr Protein Pept Sci*, 14(2), 141–160.
61. Guidolin, D., Guescini, M., Stocchi, V., Genedani, S., K., F., & Agnati, L. F. (2013). Extra-Cellular Proteins are Key Elements of a Global Molecular Network Enmeshing the Whole Central Nervous System: Physiological and Pathological Implications. In B. M. Dunn (Ed.), *Advances in Protein and Peptide Sciences* (Vol. 1, pp. 792–832). BENTHAM SCIENCE PUBL LTD.
62. Woods, A., Genedani, S., Carone, C., M, G., Leo, G., Stocchi, V., ... Agnati, L. F. (2013). Can cocaine by affecting A2a-D2 colocalisation in lipid rafts modify the intercellular transfer of A2a and D2 via the roamer type of volume transmission? *JOURNAL OF EXTRACELLULAR VESICLES*.
63. Fuxe, K., Borroto-Escuela, D. O., Tarakanov, A., Romero-Fernandez, W., Manger, P., Rivera, A., ... Agnati, L. F. (2013). Understanding the balance and integration of volume and synaptic transmission. Relevance for psychiatry. *NEUROLOGY, PSYCHIATRY AND BRAIN RESEARCH*, 19, 141–158.
64. Guidolin, D., & Albertin, G. (2012). *Tube Formation In Vitro Angiogenesis Assay. Methods in Cell Biology* (Vol. 112). <https://doi.org/10.1016/B978-0-12-405914-6.00015-9>
65. Guidolin, D., Agnati, L. F., Albertin, G., Tortorella, C., & Fuxe, K. (2012). Bioinformatics aggregation predictors in the study of protein conformational diseases of the human nervous system. *Electrophoresis*, 33(24), 3669–3679. <https://doi.org/10.1002/elps.201200290>
66. Agnati, L. F., Guidolin, D., Guescini, M., Battistin, L., Stocchi, V., De Caro, R., ... Fuxe, K. (2012). Aspects on the integrative actions of the brain from neural networks to “brain-body medicine.” *J Recept Signal Transduct Res*, 32(4), 163–180. <https://doi.org/10.3109/10799893.2012.687748>
67. Agnati, L. F., Barlow, P., Ghidoni, R., Borroto-Escuela, D. O., Guidolin, D., & Fuxe, K. (2012). Possible genetic and epigenetic links between human inner speech, schizophrenia and altruism. *Brain Res*, 1476, 38–57. <https://doi.org/10.1016/j.brainres.2012.02.074>
68. Fuxe, K., Borroto-Escuela, D. O., Marcellino, D., Romero-Fernandez, W., Frankowska, M., Guidolin, D., ... Tanganelli, S. (2012). GPCR heteromers and their allosteric receptor-receptor interactions. *Curr Med Chem*, 19(3), 356–363.
69. Agnati, L. F., Guidolin, D., Cortelli, P., Genedani, S., Cela-Conde, C., & Fuxe, K. (2012). Neuronal correlates to consciousness. The “Hall of Mirrors” metaphor describing consciousness as an epiphenomenon of multiple dynamic mosaics of cortical functional modules. *Brain Res*, 1476, 3–21. <https://doi.org/10.1016/j.brainres.2012.01.003>
70. Guescini, M., Leo, G., Genedani, S., Carone, C., Pederzoli, F., Ciruela, F., ... Agnati, L. F. (2012). Microvesicle and tunneling nanotube mediated intercellular transfer of g-protein coupled receptors in cell cultures. *Exp Cell Res*, 318(5), 603–613. <https://doi.org/10.1016/j.yexcr.2012.01.005>
71. Agnati, L. F., Guidolin, D., & Fuxe, K. (2012). Fattori comuni a colloquio interiore, altruismo, condizioni subcliniche di malattie mentali alla luce di evidenze biologiche e intuizioni di artisti. In L. F. Agnati & L. Alfieri (Eds.), *La comunicazione nel cervello dell'uomo e nella società* (pp. 45–70). Fano: Aras edizioni.

72. Agnati, L. F., Cela-Conde, C., Alfieri, L., Battistin, L., Guidolin, D., & Fuxe, K. (2012). Autocoscienza e comunicazione. In L. F. Agnati & L. Alfieri (Eds.), *La comunicazione nel cervello dell'uomo e nella società* (pp. 17–44). Fano: Ares Edizioni.
73. Fede, C., Fortunati, I., Weber, V., Rossetto, N., Petrelli, L., Signorini, R., ... Ferrante, C. (2012). Tracking uptake and toxicity of nanoparticles in human endothelial cells in stationary and flow conditions. In *Proceedings NanoTechItaly 2012*.
74. Macchi, V., Porzionato, A., Tiengo, C., Guidolin, D., Stecco, C., Sarasin, G., ... De Caro, R. (2012). Histotopographic study of the human breast tissue. *ITALIAN JOURNAL OF ANATOMY AND EMBRYOLOGY*.
75. Fuxe, K., Guescini, M., Leo, G., Carone, C., Genedani, S., Mantuano, M., ... Agnati, L. F. (2012). The Neural Network and the role of Extracellular Vesicle Transfer. *JOURNAL OF EXTRACELLULAR VESICLES*.
76. Guidolin, D., & Albertin, G. (2012). Tube formation in vitro angiogenesis assay - Laboratory methods in cell biology. *Methods Cell Biol*, *112*, 281–293.
77. Agnati, L. F., Guidolin, D., & Fuxe, K. (2012). L'anima tra cuore e cervello. In V. Andreoli & F. Buzzi (Eds.), *L'anima e la mente* (pp. 85–117). Edizioni San Paolo.
78. Guidolin, D., Albertin, G., Guescini, M., Fuxe, K., & Agnati, L. F. (2011). Central nervous system and computation. *Q Rev Biol*, *86*(4), 265–285.
79. Guidolin, D., Rebuffat, P., & Albertin, G. (2011). Cell-oriented modeling of angiogenesis. *ScientificWorldJournal*, *11*, 1735–1748. <https://doi.org/10.1100/2011/586475>
80. Agnati, L. F., Guidolin, D., Leo, G., Guescini, M., Pizzi, M., Stocchi, V., ... Fuxe, K. (2011). Possible new targets for GPCR modulation: allosteric interactions, plasma membrane domains, intercellular transfer and epigenetic mechanisms. *J Recept Signal Transduct Res*, *31*(5), 315–331. <https://doi.org/10.3109/10799893.2011.599393>
81. Dettin, M., Ghezzi, F., Conconi, M. T., Urbani, L., D'Auria, G., Falcigno, L., ... Parnigotto, P. P. (2011). In vitro and in vivo pro-angiogenic effects of thymosin- β 4-derived peptides. *Cell Immunol*, *271*(2), 299–307. <https://doi.org/10.1016/j.cellimm.2011.07.008>
82. Albertin, G., Guidolin, D., Sorato, E., Oselladore, B., Tortorella, C., & Ribatti, D. (2011). Urotensin-II-stimulated expression of pro-angiogenic factors in human vascular endothelial cells. *Regul Pept*, *172*(1–3), 16–22. <https://doi.org/10.1016/j.regpep.2011.08.001>
83. Borroto-Escuela, D. O., Tarakanov, A. O., Guidolin, D., Ciruela, F., Agnati, L. F., & Fuxe, K. (2011). Moonlighting characteristics of G protein-coupled receptors: focus on receptor heteromers and relevance for neurodegeneration. *IUBMB Life*, *63*(7), 463–472. <https://doi.org/10.1002/iub.473>
84. Ciruela, F., Gómez-Soler, M., Guidolin, D., Borroto-Escuela, D. O., Agnati, L. F., Fuxe, K., & Fernández-Dueñas, V. (2011). Adenosine receptor containing oligomers: their role in the control of dopamine and glutamate neurotransmission in the brain. *Biochim Biophys Acta*, *1808*(5), 1245–1255. <https://doi.org/10.1016/j.bbamem.2011.02.007>
85. Benetazzo, L., Bizzego, A., De Caro, R., Frigo, G., Guidolin, D., & Stecco, C. (2011). 3D reconstruction of the crural and thoracolumbar fasciae. *Surg Radiol Anat*, *33*(10), 855–862. <https://doi.org/10.1007/s00276-010-0757-7>
86. Borroto-Escuela, D. O., Van Craenenbroeck, K., Romero-Fernandez, W., Guidolin, D., Woods, A. S., Rivera, A., ... Fuxe, K. (2011). Dopamine D2 and D4 receptor heteromerization and its allosteric receptor-receptor interactions. *Biochem Biophys Res Commun*, *404*(4), 928–934. <https://doi.org/10.1016/j.bbrc.2010.12.083>
87. Guidolin, D., Crivellato, E., & Ribatti, D. (2011). The “self-similarity logic” applied to the development of the vascular system. *Dev Biol*, *351*(1), 156–162. <https://doi.org/10.1016/j.ydbio.2010.12.045>
88. Ferlin, M. G., Conconi, M. T., Urbani, L., Oselladore, B., Guidolin, D., Di Liddo, R., & Parnigotto, P. P. (2011). Synthesis, in vitro and in vivo preliminary evaluation of anti-angiogenic properties of some pyrrolozaflavones. *Bioorg Med Chem*, *19*(1), 448–457. <https://doi.org/10.1016/j.bmc.2010.11.010>
89. Guidolin, D., Ciruela, F., Genedani, S., Guescini, M., Tortorella, C., Albertin, G., ... Agnati, L. F. (2011). Bioinformatics and mathematical modelling in the study of receptor-receptor interactions and receptor oligomerization: focus on adenosine receptors. *Biochim Biophys Acta*, *1808*(5), 1267–1283. <https://doi.org/10.1016/j.bbamem.2010.09.022>

90. Nico, B., Annese, T., Guidolin, D., Finato, N., Crivellato, E., & Ribatti, D. (2011). Epo is involved in angiogenesis in human glioma. *J Neurooncol*, *102*(1), 51–58. <https://doi.org/10.1007/s11060-010-0294-6>
91. Belloni, A. S., Seccia, T. M., Guidolin, D., Caroccia, B., Sartor, V., Petrelli, L., & Rossi, G. P. (2011). Endothelin-1 (ET-1) modulates epithelial-mesenchymal transition (EMT), which contributes to kidney tubulo-interstitial fibrosis in angiotensin II-dependent hypertension.
92. Seccia, T. M., Belloni, A. S., Caroccia, B., Guidolin, D., Petrelli, L., Ferraro, S., ... Rossi, G. P. (2011). L'Endotelina-1 modula la transizione epitelio-mesenchimale (EMT) che contribuisce alla genesi della fibrosi tubulo-interstiziale renale in un modello d'ipertensione angiotensina II-dipendente. *IPERTENSIONE E PREVENZIONE CARDIOVASCOLARE*.
93. Guidolin, D. (2010). The multifaceted world of angiogenesis control. *Expert Opin Ther Targets*, *14*(11), 1135–1138. <https://doi.org/10.1517/14728222.2010.524048>
94. Fuxe, K., Marcellino, D., Borroto-Escuela, D. O., Frankowska, M., Ferraro, L., Guidolin, D., ... Agnati, L. F. (2010). The changing world of G protein-coupled receptors: from monomers to dimers and receptor mosaics with allosteric receptor-receptor interactions. *J Recept Signal Transduct Res*, *30*(5), 272–283. <https://doi.org/10.3109/10799893.2010.506191>
95. Albertin, G., Sorato, E., Oselladore, B., Mascarin, A., Tortorella, C., & Guidolin, D. (2010). Involvement of vascular endothelial growth factor signaling in CLR/RAMP1 and CLR/RAMP2-mediated pro-angiogenic effect of intermedin on human vascular endothelial cells. *Int J Mol Med*, *26*(2), 289–294.
96. Conconi, M. T., Ghezzi, F., Dettin, M., Urbani, L., Grandi, C., Guidolin, D., ... Parnigotto, P. P. (2010). Effects on in vitro and in vivo angiogenesis induced by small peptides carrying adhesion sequences. *J Pept Sci*, *16*(7), 349–357. <https://doi.org/10.1002/psc.1251>
97. Agnati, L. F., Guidolin, D., Albertin, G., Trivello, E., Ciruela, F., Genedani, S., ... Fuxe, K. (2010). An integrated view on the role of receptor mosaics at perisynaptic level: focus on adenosine A(2A), dopamine D(2), cannabinoid CB(1), and metabotropic glutamate mGlu(5) receptors. *J Recept Signal Transduct Res*, *30*(5), 355–369. <https://doi.org/10.3109/10799893.2010.487492>
98. Agnati, L. F., Guidolin, D., Vilardaga, J. P., Ciruela, F., & Fuxe, K. (2010). On the expanding terminology in the GPCR field: the meaning of receptor mosaics and receptor heteromers. *J Recept Signal Transduct Res*, *30*(5), 287–303. <https://doi.org/10.3109/10799891003786226>
99. Ribatti, D., Guidolin, D., Marzullo, A., Nico, B., Annese, T., Benagiano, V., & Crivellato, E. (2010). Mast cells and angiogenesis in gastric carcinoma. *Int J Exp Pathol*, *91*(4), 350–356. <https://doi.org/10.1111/j.1365-2613.2010.00714.x>
100. Guescini, M., Guidolin, D., Vallorani, L., Casadei, L., Gioacchini, A. M., Tibollo, P., ... Stocchi, V. (2010). C2C12 myoblasts release micro-vesicles containing mtDNA and proteins involved in signal transduction. *Exp Cell Res*, *316*(12), 1977–1984. <https://doi.org/10.1016/j.yexcr.2010.04.006>
101. Agnati, L. F., Guidolin, D., Guescini, M., Genedani, S., & Fuxe, K. (2010). Understanding wiring and volume transmission. *Brain Res Rev*, *64*(1), 137–159. <https://doi.org/10.1016/j.brainresrev.2010.03.003>
102. Guidolin, D., Albertin, G., & Ribatti, D. (2010). Urotensin-II as an angiogenic factor. *Peptides*, *31*(6), 1219–1224. <https://doi.org/10.1016/j.peptides.2010.03.022>
103. Komorowsky, C., Samarin, J., Rehm, M., Guidolin, D., & Goppelt-Struebe, M. (2010). Hic-5 as a regulator of endothelial cell morphology and connective tissue growth factor gene expression. *J Mol Med (Berl)*, *88*(6), 623–631. <https://doi.org/10.1007/s00109-010-0608-3>
104. Guidolin, D., Albertin, G., Oselladore, B., Sorato, E., Rebuffat, P., Mascarin, A., & Ribatti, D. (2010). The pro-angiogenic activity of urotensin-II on human vascular endothelial cells involves ERK1/2 and PI3K signaling pathways. *Regul Pept*, *162*(1–3), 26–32. <https://doi.org/10.1016/j.regpep.2010.02.009>
105. Genedani, S., Carone, C., Guidolin, D., Filafferro, M., Marcellino, D., Fuxe, K., & Agnati, L. F. (2010). Differential sensitivity of A2A and especially D2 receptor trafficking to cocaine compared with lipid rafts in cotransfected CHO cell lines. Novel actions of cocaine independent of the DA transporter. *J Mol Neurosci*, *41*(3), 347–357. <https://doi.org/10.1007/s12031-010-9328-y>
106. Raica, M., Cimpean, A. M., Nico, B., Guidolin, D., & Ribatti, D. (2010). A comparative study of the spatial distribution of mast cells and microvessels in the foetal, adult human thymus and thymoma. *Int J Exp Pathol*, *91*(1), 17–23. <https://doi.org/10.1111/j.1365-2613.2009.00689.x>

107. Nico, B., Crivellato, E., Guidolin, D., Annese, T., Longo, V., Finato, N., ... Ribatti, D. (2010). Intussusceptive microvascular growth in human glioma. *Clin Exp Med*, *10*(2), 93–98. <https://doi.org/10.1007/s10238-009-0076-7>
108. Agnati, L. F., Guidolin, D., Baluska, F., Leo, G., Barlow, P. W., Carone, C., & Genedani, S. (2010). A new hypothesis of pathogenesis based on the divorce between mitochondria and their host cells: possible relevance for Alzheimer's disease. *Curr Alzheimer Res*, *7*(4), 307–322.
109. Agnati, L. F., Guidolin, D., Leo, G., Carone, C., Genedani, S., & Fuxe, K. (2010). Receptor-receptor interactions: A novel concept in brain integration. *Prog Neurobiol*, *90*(2), 157–175. <https://doi.org/10.1016/j.pneurobio.2009.10.004>
110. Fuxe, K., Marcellino, D., Guidolin, D., Woods, A., & Agnati, L. F. (2010). Dopamine Receptor Oligomerization. In K. A. Neve (Ed.), *The Dopamine Receptors* (pp. 255–280). HUMANA PRESS.
111. Guidolin, D., Albertin, G., & Ribatti, D. (2010). Exploring in vitro angiogenesis by image analysis and mathematical modeling. In A. Méndez-Vilas & J. Díaz (Eds.), *Microscopy: Science, Technology, Applications and Education* (Vol. 4–2, pp. 876–884). Badajoz: Formatex Research Center.
112. Kenakin, T., Agnati, L. F., Caron, M., Fredholm, B., Guidolin, D., Kobilka, B., ... Fuxe, K. (2010). International workshop at the Nobel Forum, Karolinska Institutet, on G protein-coupled receptors: finding the words to describe monomers, oligomers, and their molecular mechanisms and defining their meaning. Can a consensus be reached? *J Recept Signal Transduct Res*, *30*, 284–286.
113. Agnati, L. F., Baluska, F., Barlow, P. W., & Guidolin, D. (2009). Mosaic, self-similarity logic, and biological attraction principles: three explanatory instruments in biology. *Commun Integr Biol*, *2*(6), 552–563.
114. Ribatti, D., Crivellato, E., Nico, B., Guidolin, D., Gassmann, M., & Djonov, V. (2009). Mast cells and macrophages in duodenal mucosa of mice overexpressing erythropoietin. *J Anat*, *215*(5), 548–554. <https://doi.org/10.1111/j.1469-7580.2009.01131.x>
115. Tegon, G., Pulzato, L., Passarella, L., Guidolin, D., Zusso, M., & Giusti, P. (2009). Randomized placebo-controlled trial on local applications of opioids after hemorrhoidectomy. *Tech Coloproctol*, *13*(3), 219–224. <https://doi.org/10.1007/s10151-009-0518-y>
116. Guidolin, D., Albertin, G., Sorato, E., Oselladore, B., Mascarin, A., & Ribatti, D. (2009). Mathematical modeling of the capillary-like pattern generated by adrenomedullin-treated human vascular endothelial cells in vitro. *Dev Dyn*, *238*(8), 1951–1963. <https://doi.org/10.1002/dvdy.22022>
117. Carraro, G., El-Hashash, A., Guidolin, D., Tiozzo, C., Turcatel, G., Young, B. M., ... Warburton, D. (2009). miR-17 family of microRNAs controls FGF10-mediated embryonic lung epithelial branching morphogenesis through MAPK14 and STAT3 regulation of E-Cadherin distribution. *Dev Biol*, *333*(2), 238–250. <https://doi.org/10.1016/j.ydbio.2009.06.020>
118. Malendowicz, L. K., Guidolin, D., Trejter, M., Rucinski, M., Porzionato, A., de Caro, R., & Nowak, M. (2009). Neuromedin-U inhibits unilateral adrenalectomy-induced compensatory adrenal growth in the rat. *Peptides*, *30*(5), 935–939. <https://doi.org/10.1016/j.peptides.2009.01.014>
119. Tortorella, C., Guidolin, D., Petrelli, L., De Toni, R., Milanese, O., Ruga, E., ... Bova, S. (2009). Prolonged zidovudine administration induces a moderate increase in the growth and steroidogenic capacity of the rat adrenal cortex. *Int J Mol Med*, *23*(6), 799–804.
120. Albertin, G., Guidolin, D., Sorato, E., Spinazzi, R., Mascarin, A., Oselladore, B., ... Ribatti, D. (2009). Pro-angiogenic activity of Urotensin-II on different human vascular endothelial cell populations. *Regul Pept*, *157*(1–3), 64–71. <https://doi.org/10.1016/j.regpep.2009.04.006>
121. Fuxe, K., Marcellino, D., Guidolin, D., Woods, A. S., & Agnati, L. (2009). Brain receptor mosaics and their intramembrane receptor-receptor interactions: molecular integration in transmission and novel targets for drug development. *J Acupunct Meridian Stud*, *2*(1), 1–25. [https://doi.org/10.1016/S2005-2901\(09\)60011-X](https://doi.org/10.1016/S2005-2901(09)60011-X)
122. Agnati, L. F., Fuxe, K., Baluska, F., & Guidolin, D. (2009). Implications of the “Energide” concept for communication and information handling in the central nervous system. *J Neural Transm*, *116*(8), 1037–1052. <https://doi.org/10.1007/s00702-009-0193-1>
123. Pizzi, S., Porzionato, A., Pasquali, C., Guidolin, D., Sperti, C., Fogar, P., ... Parenti, A. (2009). Glucose transporter-1 expression and prognostic significance in pancreatic carcinogenesis. *Histol Histopathol*, *24*(2), 175–185.

124. Trejter, M., Guidolin, D., Nowak, M., Macchi, V., Majchrzak, M., De Caro, R., & Malendowicz, L. K. (2009). Neuromedin U enhances proliferation of ACTH-stimulated adrenocortical cells in the rat. *Int J Mol Med*, 23(1), 99–104.
125. Nardinocchi, L., Puca, R., Guidolin, D., Belloni, A. S., Bossi, G., Michiels, C., ... D'Orazi, G. (2009). Transcriptional regulation of hypoxia-inducible factor 1alpha by HIPK2 suggests a novel mechanism to restrain tumor growth. *Biochim Biophys Acta*, 1793(2), 368–377.
<https://doi.org/10.1016/j.bbamcr.2008.10.013>
126. Agnati, L. F., Leo, G., Genedani, S., Piron, L., Rivera, A., Guidolin, D., & Fuxe, K. (2009). Common key-signals in learning and neurodegeneration: focus on excito-amino acids, beta-amyloid peptides and alpha-synuclein. *J Neural Transm*, 116(8), 953–974. <https://doi.org/10.1007/s00702-008-0150-4>
127. Guidolin, D., Nico, B., Crivellato, E., Marzullo, A., Vacca, A., & Ribatti, D. (2009). Tumoral mast cells exhibit a common spatial distribution. *Cancer Lett*, 273(1), 80–85. <https://doi.org/10.1016/j.canlet.2008.07.032>
128. Francesco, A. L., Kjell, F., Amina, W., Susanna, G., & Diego, G. (2009). Theoretical considerations on the topological organization of receptor mosaics. *Curr Protein Pept Sci*, 10(6), 559–569.
129. Seccia, T. M., Belloni, A. S., Antonello, M., Sandri, A., Guidolin, D., Pessina, A. C., & Rossi, G. P. (2009). Cardiac fibrosis can be prevented by green tea extracts in Angiotensin II-dependent hypertension by blunting oxidative stress. *JOURNAL OF HYPERTENSION*.
130. Fuxe, K., Marcellino, D., Guidolin, D., Woods, A. S., & Agnati, L. F. (2008). Heterodimers and receptor mosaics of different types of G-protein-coupled receptors. *Physiology (Bethesda)*, 23, 322–332.
<https://doi.org/10.1152/physiol.00028.2008>
131. Rucinski, M., Zok, A., Guidolin, D., De Caro, R., & Malendowicz, L. K. (2008). Expression of precerebellins in cultured rat calvaria osteoblast-like cells. *Int J Mol Med*, 22(4), 553–558.
132. Seccia, T. M., Maniero, C., Belloni, A. S., Guidolin, D., Pothén, P., Pessina, A. C., & Rossi, G. P. (2008). Role of angiotensin II, endothelin-1 and L-type calcium channel in the development of glomerular, tubulointerstitial and perivascular fibrosis. *J Hypertens*, 26(10), 2022–2029. <https://doi.org/10.1097/HJH.0b013e328309f00a>
133. Guidolin, D., Albertin, G., Spinazzi, R., Sorato, E., Mascarini, A., Cavallo, D., ... Ribatti, D. (2008). Adrenomedullin stimulates angiogenic response in cultured human vascular endothelial cells: involvement of the vascular endothelial growth factor receptor 2. *Peptides*, 29(11), 2013–2023.
<https://doi.org/10.1016/j.peptides.2008.07.009>
134. Zusso, M., Debetto, P., Guidolin, D., Barbierato, M., Manev, H., & Giusti, P. (2008). Fluoxetine-induced proliferation and differentiation of neural progenitor cells isolated from rat postnatal cerebellum. *Biochem Pharmacol*, 76(3), 391–403. <https://doi.org/10.1016/j.bcp.2008.05.014>
135. Agnati, L. F., Baldelli, E., Andreoli, N., Woods, A. S., Vellani, V., Marcellino, D., ... Fuxe, K. (2008). On the key role played by altered protein conformation in Parkinson's disease. *J Neural Transm*, 115(9), 1285–1299.
<https://doi.org/10.1007/s00702-008-0072-1>
136. Ria, R., Piccoli, C., Cirulli, T., Falzetti, F., Mangialardi, G., Guidolin, D., ... Vacca, A. (2008). Endothelial differentiation of hematopoietic stem and progenitor cells from patients with multiple myeloma. *Clin Cancer Res*, 14(6), 1678–1685. <https://doi.org/10.1158/1078-0432.CCR-07-4071>
137. Recchia, A., Rota, D., Debetto, P., Peroni, D., Guidolin, D., Negro, A., ... Giusti, P. (2008). Generation of an alpha-synuclein-based rat model of Parkinson's disease. *Neurobiol Dis*, 30(1), 8–18.
<https://doi.org/10.1016/j.nbd.2007.11.002>
138. Agnati, L. F., Guidolin, D., Carone, C., Dam, M., Genedani, S., & Fuxe, K. (2008). Understanding neuronal molecular networks builds on neuronal cellular network architecture. *Brain Res Rev*, 58(2), 379–399.
<https://doi.org/10.1016/j.brainresrev.2007.11.002>
139. Porzionato, A., Macchi, V., Guidolin, D., Sarasin, G., Parenti, A., & De Caro, R. (2008). Anatomic distribution of apoptosis in medulla oblongata of infants and adults. *J Anat*, 212(2), 106–113.
<https://doi.org/10.1111/j.1469-7580.2007.00842.x>
140. Agnati, L. F., Leo, G., Genedani, S., Andreoli, N., Marcellino, D., Woods, A., ... Fuxe, K. (2008). Structural plasticity in G-protein coupled receptors as demonstrated by the allosteric actions of homocysteine and computer-assisted analysis of disordered domains. *Brain Res Rev*, 58(2), 459–474.
<https://doi.org/10.1016/j.brainresrev.2007.10.003>

141. Guidolin, D., Zunarelli, E., Genedani, S., Trentini, G. P., De Gaetani, C., Fuxe, K., ... Agnati, L. F. (2008). Opposite patterns of age-associated changes in neurons and glial cells of the thalamus of human brain. *Neurobiol Aging*, 29(6), 926–936. <https://doi.org/10.1016/j.neurobiolaging.2006.12.015>
142. Francesco, A. L., Diego, G., Susanna, G., Giuseppina, L., Amina, W. S., Sergi, F., ... Kjell, F. (2008). Integrative action of receptor mosaics: relevance of receptor topology and allosteric modulators. *J Recept Signal Transduct Res*, 28(6), 543–565. <https://doi.org/10.1080/10799890802590420>
143. SECCIA, T. M., BELLONI, A. S., ANTONELLO, M., SANDRI, A., GUIDOLIN, D., PESSINA, A. C., & Rossi, G. P. (2008). Gli estratti di thè verde prevengono lo sviluppo di fibrosi cardiaca nell'ipertensione Angiotensina II-dipendente riducendo lo stress ossidativo. In *Ipertensione e Prevenzione Cardiovascolare* (Vol. 15, p. 140). Milano: Kurtis.
144. FERLIN, M. G., GUIDOLIN, D., OSELLADORE, B., URBANI, L., PARNIGOTTO, P. P., & CONCONI, M. T. (2008). Pyrrolozaflavones as Potential Anti-Angiogenic Drugs For Anticancer Therapy.
145. Pizzi, S., Alaggio, R., Guidolin, D., Pasquali, C., Sperti, C., Callegaro, S., ... Parenti, A. (2008). Role of VEGF and its receptors in pancreatic endocrine tumour. *Pancreatology*.
146. Belloni, A. S., Malendowicz, L. K., Rucinski, M., Guidolin, D., & Nussdorfer, G. G. (2007). Galanin stimulates cortisol secretion from human adrenocortical cells through the activation of galanin receptor subtype 1 coupled to the adenylate cyclase-dependent signaling cascade. *Int J Mol Med*, 20(6), 859–864.
147. Agnati, L. F., Guidolin, D., Leo, G., Genedani, S., Arhem, P., Forni, A., ... Fuxe, K. (2007). Role of cooperativity in protein folding and protein mosaic assemblage relevance for protein conformational diseases. *Curr Protein Pept Sci*, 8(5), 460–470.
148. Ribatti, D., Finato, N., Crivellato, E., Guidolin, D., Longo, V., Mangieri, D., ... Beltrami, C. A. (2007). Angiogenesis and mast cells in human breast cancer sentinel lymph nodes with and without micrometastases. *Histopathology*, 51(6), 837–842. <https://doi.org/10.1111/j.1365-2559.2007.02869.x>
149. Agnati, L. F., Leo, G., Genedani, S., Guidolin, D., Andreoli, N., & Fuxe, K. (2007). Possible relevance of receptor-receptor interactions between viral- and host-coded receptors for viral-induced disease. *ScientificWorldJournal*, 7, 1073–1081. <https://doi.org/10.1100/tsw.2007.166>
150. Guidolin, D., Nico, B., Belloni, A. S., Nussdorfer, G. G., Vacca, A., & Ribatti, D. (2007). Morphometry and mathematical modelling of the capillary-like patterns formed in vitro by bone marrow macrophages of patients with multiple myeloma. *Leukemia*, 21(10), 2201–2203. <https://doi.org/10.1038/sj.leu.2404771>
151. Agnati, L. F., Genedani, S., Leo, G., Rivera, A., Guidolin, D., & Fuxe, K. (2007). One century of progress in neuroscience founded on Golgi and Cajal's outstanding experimental and theoretical contributions. *Brain Res Rev*, 55(1), 167–189. <https://doi.org/10.1016/j.brainresrev.2007.03.004>
152. Fuxe, K., Dahlström, A., Höistad, M., Marcellino, D., Jansson, A., Rivera, A., ... Agnati, L. F. (2007). From the Golgi-Cajal mapping to the transmitter-based characterization of the neuronal networks leading to two modes of brain communication: wiring and volume transmission. *Brain Res Rev*, 55(1), 17–54. <https://doi.org/10.1016/j.brainresrev.2007.02.009>
153. Guidolin, D., Fuxe, K., Neri, G., Nussdorfer, G. G., & Agnati, L. F. (2007). On the role of receptor-receptor interactions and volume transmission in learning and memory. *Brain Res Rev*, 55(1), 119–133. <https://doi.org/10.1016/j.brainresrev.2007.02.004>
154. Fuxe, K., Canals, M., Torvinen, M., Marcellino, D., Terasmaa, A., Genedani, S., ... Agnati, L. F. (2007). Intramembrane receptor-receptor interactions: a novel principle in molecular medicine. *J Neural Transm*, 114(1), 49–75. <https://doi.org/10.1007/s00702-006-0589-0>
155. Agnati, L. F., Guidolin, D., Leo, G., & Fuxe, K. (2007). A boolean network modelling of receptor mosaics relevance of topology and cooperativity. *J Neural Transm*, 114(1), 77–92. <https://doi.org/10.1007/s00702-006-0567-6>
156. Agnati, L. F., Guidolin, D., & Fuxe, K. (2007). The brain as a system of nested but partially overlapping networks. Heuristic relevance of the model for brain physiology and pathology. *J Neural Transm*, 114(1), 3–19. <https://doi.org/10.1007/s00702-006-0563-x>
157. Agnati, L. F., Genedani, S., Guidolin, D., & Fuxe, K. (2007). La comunicazione nel Sistema Nervoso Centrale. In D. U. Silverthorn (Ed.), *Fisiologia. Un approccio integrato* (pp. A1–A9). Milano: CEA.

158. ZUSSO, M., DEBETTO, P., BARBIERATO, M., GUIDOLIN, D., & GIUSTI, P. (2007). Neurogenic response induced by fluoxetine chronic treatment in neural progenitor cells isolated from rat postnatal cerebellum. In *Neuroscience meeting-Abstract book*.
159. Debetto, P., Zusso, M., Barbierato, M., Guidolin, D., & Giusti, P. (2007). Neurogenic response induced by fluoxetine chronic treatment in neural progenitor cells isolated from rat postnatal cerebellum. *Aci Trezza*.
160. Silverthorn, D. U. (2007). Fisiologia. Un approccio integrato. In L. F. Agnati (Ed.) (3a ed.). CEA.
161. Parenti, A., Sperti, C., Porzionato, A., Pizzi, S., Guidolin, D., Basso, D., ... Pedrazzoli, S. (2007). Prognostic significance of Glucose transporter-1 (GLUT-1) expression in pancreatic cancer. *Pancreatology*.
162. Spinazzi, R., Albertin, G., Nico, B., Guidolin, D., Di Liddo, R., Rossi, G. P., ... Nussdorfer, G. G. (2006). Urotensin-II and its receptor (UT-R) are expressed in rat brain endothelial cells, and urotensin-II via UT-R stimulates angiogenesis in vivo and in vitro. *Int J Mol Med*, 18(6), 1107–1112.
163. Agnati, L. F., Ferré, S., Genedani, S., Leo, G., Guidolin, D., Filaferrero, M., ... Fuxe, K. (2006). Allosteric modulation of dopamine D2 receptors by homocysteine. *J Proteome Res*, 5(11), 3077–3083. <https://doi.org/10.1021/pr0601382>
164. Albertin, G., Ruggero, M., Guidolin, D., & Nussdorfer, G. G. (2006). Gene silencing of human RAMP2 mediated by short-interfering RNA. *Int J Mol Med*, 18(4), 531–535.
165. Seccia, T. M., Belloni, A. S., Guidolin, D., Sticchi, D., Nussdorfer, G. G., Pessina, A. C., & Rossi, G. P. (2006). The renal antifibrotic effects of angiotensin-converting enzyme inhibition involve bradykinin B2 receptor activation in angiotensin II-dependent hypertension. *J Hypertens*, 24(7), 1419–1427. <https://doi.org/10.1097/01.hjh.0000234124.94013.ac>
166. Shen, W.-Y., Lai, C. M., Graham, C. E., Binz, N., Lai, Y. K. Y., Eade, J., ... Rakoczy, P. E. (2006). Long-term global retinal microvascular changes in a transgenic vascular endothelial growth factor mouse model. *Diabetologia*, 49(7), 1690–1701. <https://doi.org/10.1007/s00125-006-0274-8>
167. Agnati, L. F., Leo, G., Zanardi, A., Genedani, S., Rivera, A., Fuxe, K., & Guidolin, D. (2006). Volume transmission and wiring transmission from cellular to molecular networks: history and perspectives. *Acta Physiol (Oxf)*, 187(1–2), 329–344. <https://doi.org/10.1111/j.1748-1716.2006.01579.x>
168. Spinazzi, R., Petrelli, L., Guidolin, D., Carraro, G., Casale, V., Tortorella, C., ... Nussdorfer, G. G. (2006). In vitro culture on Matrigel favors the long-term maintenance of rat zona glomerulosa-cell differentiated phenotype. *Int J Mol Med*, 17(6), 1101–1110.
169. Guidolin, D., Crivellato, E., Nico, B., Andreis, P. G., Nussdorfer, G. G., & Ribatti, D. (2006). An image analysis of the spatial distribution of perivascular mast cells in human melanoma. *Int J Mol Med*, 17(6), 981–987.
170. Vacca, A., Scavelli, C., Serini, G., Di Pietro, G., Cirulli, T., Merchionne, F., ... Dammacco, F. (2006). Loss of inhibitory semaphorin 3A (SEMA3A) autocrine loops in bone marrow endothelial cells of patients with multiple myeloma. *Blood*, 108(5), 1661–1667. <https://doi.org/10.1182/blood-2006-04-014563>
171. Folin, M., Baiguera, S., Guidolin, D., Di Liddo, R., Grandi, C., De Carlo, E., ... Parnigotto, P. P. (2006). Apolipoprotein-E modulates the cytotoxic effect of beta-amyloid on rat brain endothelium in an isoform-dependent specific manner. *Int J Mol Med*, 17(5), 821–826.
172. Belloni, A. S., Petrelli, L., Guidolin, D., De Toni, R., Bova, S., Spinazzi, R., ... Nussdorfer, G. G. (2006). Identification and localization of adrenomedullin-storing cardiac mast cells. *Int J Mol Med*, 17(5), 709–713.
173. Crivellato, E., Guidolin, D., Nico, B., Nussdorfer, G. G., & Ribatti, D. (2006). Fine ultrastructure of chromaffin granules in rat adrenal medulla indicative of a vesicle-mediated secretory process. *Anat Embryol (Berl)*, 211(1), 79–86. <https://doi.org/10.1007/s00429-005-0059-8>
174. FRANCESCHINI, D., ZUSSO, M., GUIDOLIN, D., DEBETTO, P., & GIUSTI, P. (2006). SSRI treatment induces a neurogenic response in rat cerebellar granule cells. *Acta Physiol Sinica*. Beijing.
175. GIUSTI, P., ZUSSO, M., DEBETTO, P., BARBIERATO, M., & GUIDOLIN, D. (2006). Identification in rat cerebellar granule cell cultures of neural precursors able to proliferate and differentiate in response to chronic treatment with selective serotonin reuptake inhibitors. In *Neuroscience meeting-Abstract book*. Atlanta.
176. Agnati, L. F., Fuxe, K., Torvinen, M., Genedani, S., Franco, R., Watson, S., ... Guidolin, D. (2005). New methods to evaluate colocalization of fluorophores in immunocytochemical preparations as exemplified by a study on A2A and D2 receptors in Chinese hamster ovary cells. *J Histochem Cytochem*, 53(8), 941–953. <https://doi.org/10.1369/jhc.4A6355.2005>

177. Agnati, L. F., Tarakanov, A. O., Ferré, S., Fuxe, K., & Guidolin, D. (2005). Receptor-receptor interactions, receptor mosaics, and basic principles of molecular network organization: possible implications for drug development. *J Mol Neurosci*, *26*(2–3), 193–208. <https://doi.org/10.1385/JMN:26:2-3:193>
178. Genedani, S., Guidolin, D., Leo, G., Filafarro, M., Torvinen, M., Woods, A. S., ... Agnati, L. F. (2005). Computer-assisted image analysis of caveolin-1 involvement in the internalization process of adenosine A2A-dopamine D2 receptor heterodimers. *J Mol Neurosci*, *26*(2–3), 177–184. <https://doi.org/10.1385/JMN:26:2-3:177>
179. Agnati, L. F., Guidolin, D., Genedani, S., Ferré, S., Bigiani, A., Woods, A. S., & Fuxe, K. (2005). How proteins come together in the plasma membrane and function in macromolecular assemblies: focus on receptor mosaics. *J Mol Neurosci*, *26*(2–3), 133–154. <https://doi.org/10.1385/JMN:26:2-3:133>
180. Folin, M., Baiguera, S., Tommasini, M., Guidolin, D., Conconi, M. T., De Carlo, E., ... Parnigotto, P. P. (2005). Effects of beta-amyloid on rat neuromicrovascular endothelial cells cultured in vitro. *Int J Mol Med*, *15*(6), 929–935.
181. Agnati, L. F., Tarakanov, A. O., & Guidolin, D. (2005). A simple mathematical model of cooperativity in receptor mosaics based on the “symmetry rule.” *Biosystems*, *80*(2), 165–173. <https://doi.org/10.1016/j.biosystems.2004.11.004>
182. Belloni, A. S., Guidolin, D., Salmaso, R., Bova, S., Rossi, G. P., & Nussdorfer, G. G. (2005). Adrenomedullin, ANP and BNP are colocalized in a subset of endocrine cells in the rat heart. *Int J Mol Med*, *15*(4), 567–571.
183. Porzionato, A., Macchi, V., Guidolin, D., Parenti, A., Ferrara, S. D., & De Caro, R. (2005). Histopathology of carotid body in heroin addiction. Possible chemosensitive impairment. *Histopathology*, *46*(3), 296–306. <https://doi.org/10.1111/j.1365-2559.2005.02060.x>
184. Albertin, G., Carraro, G., Petrelli, L., Guidolin, D., Neri, G., & Nussdorfer, G. G. (2005). Endothelin-1 and adrenomedullin enhance the growth of human adrenocortical carcinoma-derived SW-13 cell line by stimulating proliferation and inhibiting apoptosis. *Int J Mol Med*, *15*(3), 469–474.
185. Macchi, V., Porzionato, A., Guidolin, D., Parenti, A., & De Caro, R. (2005). Morphogenesis of the posterior inferior cerebellar artery with three-dimensional reconstruction of the late embryonic vertebrobasilar system. *Surg Radiol Anat*, *27*(1), 56–60. <https://doi.org/10.1007/s00276-004-0303-6>
186. RECCHIA, A., ROTA, D., DEBETTO, P., GUIDOLIN, D., NEGRO, A., & GIUSTI, P. (2005). Generation of an alpha-synuclein-based rat model of Parkinson’s disease. In *32^a Congr. Naz. Società Italiana Farmacologia* (p. 123).
187. FRANCESCHINI, F., ZUSSO, M., GUIDOLIN, D., DEBETTO, P., & GIUSTI, P. (2005). SSRI treatment induces a neurogenic response in rat cerebellar granule cells. In *Cortical Development-Neural Stem Cells To Neural Circuits*. Santorini.
188. ZUSSO, M., DEBETTO, P., GUIDOLIN, D., PERICO, M., & GIUSTI, P. (2005). Identification in rat cerebellar granule cell cultures of neural precursors able to proliferate and differentiate in response to chronic treatment with SSRI. In *International Symposium “Neuroplasticity, Neurotrophic factors and Mood Disorders”* (p. 17). Pisa.
189. Zaninotto, G., Marchese Ragona, R., Briani, C., Costantini, M., Rizzetto, C., Portale, G., ... Parenti, A. R. (2004). The role of botulinum toxin injection and upper esophageal sphincter myotomy in treating oropharyngeal dysphagia. *J Gastrointest Surg*, *8*(8), 997–1006. <https://doi.org/10.1016/j.gassur.2004.09.037>
190. Ria, R., Vacca, A., Russo, F., Cirulli, T., Massaia, M., Tosi, P., ... Dammacco, F. (2004). A VEGF-dependent autocrine loop mediates proliferation and capillarogenesis in bone marrow endothelial cells of patients with multiple myeloma. *Thromb Haemost*, *92*(6), 1438–1445. <https://doi.org/10.1267/THRO04061438>
191. Zusso, M., Debetto, P., Guidolin, D., & Giusti, P. (2004). Cerebellar granular cell cultures as an in vitro model for antidepressant drug-induced neurogenesis. *Crit Rev Neurobiol*, *16*(1–2), 59–65.
192. Conconi, M. T., Nico, B., Guidolin, D., Baiguera, S., Spinazzi, R., Rebuffat, P., ... Ribatti, D. (2004). Ghrelin inhibits FGF-2-mediated angiogenesis in vitro and in vivo. *Peptides*, *25*(12), 2179–2185. <https://doi.org/10.1016/j.peptides.2004.08.011>
193. Genedani, S., Rasio, G., Cortelli, P., Antonelli, F., Guidolin, D., Galantucci, M., ... Agnati, L. F. (2004). Studies on homocysteine and dehydroepiandrosterone sulphate plasma levels in Alzheimer’s disease patients and in Parkinson’s disease patients. *Neurotox Res*, *6*(4), 327–332.
194. Guidolin, D., Nico, B., Mazzocchi, G., Vacca, A., Nussdorfer, G. G., & Ribatti, D. (2004). Order and disorder in the vascular network. *Leukemia*, *18*(11), 1745–1750. <https://doi.org/10.1038/sj.leu.2403526>

195. Banguera, S., Conconi, M. T., Guidolin, D., Mazzocchi, G., Malendowicz, L. K., Parnigotto, P. P., ... Nussdorfer, G. G. (2004). Ghrelin inhibits in vitro angiogenic activity of rat brain microvascular endothelial cells. *Int J Mol Med*, 14(5), 849–854.
196. Belloni, A. S., Guidolin, D., Ceretta, S., Bova, S., & Nussdorfer, G. G. (2004). Acute effect of ischemia on adrenomedullin immunoreactivity in the rat heart: an immunocytochemical study. *Int J Mol Med*, 14(1), 71–73.
197. Belloni, A. S., Guidolin, D., Ceretta, S., Bova, S., & Nussdorfer, G. G. (2004). Acute effects of endothelins on endogenous adrenomedullin system in the rat heart: Immunocytochemical and autoradiographic studies. *Int J Mol Med*, 13(5), 669–674.
198. Recchia, A., Debetto, P., Negro, A., Guidolin, D., Skaper, S. D., & Giusti, P. (2004). Alpha-synuclein and Parkinson's disease. *FASEB J*, 18(6), 617–626. <https://doi.org/10.1096/fj.03-0338rev>
199. Guidolin, D., Vacca, A., Nussdorfer, G. G., & Ribatti, D. (2004). A new image analysis method based on topological and fractal parameters to evaluate the angiostatic activity of docetaxel by using the Matrigel assay in vitro. *Microvasc Res*, 67(2), 117–124. <https://doi.org/10.1016/j.mvr.2003.11.002>
200. Seccia, T. M., Belloni, A. S., Guidolin, D., Sticchi, D., Nussdorfer, G. G., Pessina, A. C., & Rossi, G. P. (2004). Dual ACE- and NEP-inhibition prevents and regresses renal fibrosis in angiotensin II-dependent hypertension. *HYPERTENSION*.
201. Belloni, A. S., Guidolin, D., Spinazzi, R., & Nussdorfer, G. G. (2003). Two selective rat adrenomedullin (AM)-receptor antagonists: AM20-50 and AM24-50. *Cell Mol Biol (Noisy-Le-Grand)*, 49(6), 939–943.
202. Ribatti, D., Guidolin, D., Conconi, M. T., Nico, B., Banguera, S., Parnigotto, P. P., ... Nussdorfer, G. G. (2003). Vinblastine inhibits the angiogenic response induced by adrenomedullin in vitro and in vivo. *Oncogene*, 22(41), 6458–6461. <https://doi.org/10.1038/sj.onc.1206789>
203. Conconi, M. T., Banguera, S., Guidolin, D., Furlan, C., Menti, A. M., Vigolo, S., ... Nussdorfer, G. G. (2003). Effects of hyperbaric oxygen on proliferative and apoptotic activities and reactive oxygen species generation in mouse fibroblast 3T3/J2 cell line. *J Invest Med*, 51(4), 227–232.
204. Vacca, A., Ria, R., Semeraro, F., Merchionne, F., Coluccia, M., Boccarelli, A., ... Dammacco, F. (2003). Endothelial cells in the bone marrow of patients with multiple myeloma. *Blood*, 102(9), 3340–3348. <https://doi.org/10.1182/blood-2003-04-1338>
205. De Caro, R., Parenti, A., Montisci, M., Guidolin, D., & Macchi, V. (2003). Symmetrical selective neuronal necrosis in solitary tract nuclei. *Int J Legal Med*, 117(4), 253–4; author reply 255. <https://doi.org/10.1007/s00414-003-0389-0>
206. RECCHIA, A., NEGRO, A., GUIDOLIN, D., DEBETTO, P., & GIUSTI, P. (2003). Alpha-synuclein and 6-hydroxy-dopamine: two different models to study in vivo Parkinson's disease. In *31^a Congresso Nazionale Società Italiana di Farmacologia* (p. 116).
207. ZUSSO, M., IMBESI, M., GUIDOLIN, D., DEBETTO, P., & GIUSTI, P. (2003). Serotonin selective reuptake inhibitors and neurogenesis. In *31^a Congresso Nazionale Società Italiana di Farmacologia* (p. 148).
208. Valdisolo, V., Belloni, A. S., Guidolin, D., Pessina, A. C., & Rossi, G. P. (2003). Prevention of renal fibrosis with dual ACE plus NEP inhibition with MDL 100,240 in a transgenic model of angiotensin II-dependent hypertension. *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*.
209. Ghosh, P., & Guidolin, D. (2002). Potential mechanism of action of intra-articular hyaluronan therapy in osteoarthritis: are the effects molecular weight dependent? *Semin Arthritis Rheum*, 32(1), 10–37.
210. Guidolin, D., & Frizziero, L. (2002). Effect on joint tissues of intra-articular treatment with 500-730 kDa hyaluronan: insight into the mechanism of action. In J. F. Kennedy, G. O. Phillips, P. A. Williams, & H. VC (Eds.), *Hyaluronan - Biomedical, medical and clinical aspects* (Vol. 2, pp. 353–362). Cambridge: Woodhead Publishing Limited, Ed Steve Rimmer.
211. Tita, B., Leone, M. G., Casini, M. L., Corubolo, C., Bordi, F., Guidolin, D., ... Saso, L. (2001). Corneal toxicity of xylazine and clonidine, in combination with ketamine, in the rat. *Ophthalmic Res*, 33(6), 345–352.
212. Lisignoli, G., Grassi, F., Zini, N., Tonegozzi, S., Piacentini, A., Guidolin, D., ... Facchini, A. (2001). Anti-Fas-induced apoptosis in chondrocytes reduced by hyaluronan: evidence for CD44 and CD54 (intercellular adhesion molecule 1) involvement. *Arthritis Rheum*, 44(8), 1800–1807. [https://doi.org/10.1002/1529-0131\(200108\)44:8<1800::AID-ART317>3.0.CO;2-1](https://doi.org/10.1002/1529-0131(200108)44:8<1800::AID-ART317>3.0.CO;2-1)

213. Diaz-Cabiale, Z., Hurd, Y., Guidolin, D., Finnman, U. B., Zoli, M., Agnati, L. F., ... Ferré, S. (2001). Adenosine A2A agonist CGS 21680 decreases the affinity of dopamine D2 receptors for dopamine in human striatum. *Neuroreport*, *12*(9), 1831–1834.
214. Guidolin, D. D., Ronchetti, I. P., Lini, E., Guerra, D., & Frizziero, L. (2001). Morphological analysis of articular cartilage biopsies from a randomized, clinical study comparing the effects of 500-730 kDa sodium hyaluronate (Hyalgan) and methylprednisolone acetate on primary osteoarthritis of the knee. *Osteoarthritis Cartilage*, *9*(4), 371–381. <https://doi.org/10.1053/joca.2000.0398>
215. Della Rocca, F., Sartore, S., Guidolin, D., Bertiplaglia, B., Gerosa, G., Casarotto, D., & Pauletto, P. (2000). Cell composition of the human pulmonary valve: a comparative study with the aortic valve—the VESALIO Project. *Vitalitate Exornatum Succedaneum Aorticum labore Ingegnoso Obtinebitur. Ann Thorac Surg*, *70*(5), 1594–1600.
216. Leone, M. G., Grippa, E., Guidolin, D., Tita, B., Abdel-Haq, H., Gatto, M. T., ... Saso, L. (2000). Effects of lonidamine on testicular and epididymal proteins in the rat. *Reprod Toxicol*, *14*(3), 257–263.
217. De Caro, R., Caro, R. De, Parenti, A., Montisci, M., Guidolin, D., & Macchi, V. (2000). Solitary tract nuclei in acute heart failure. *Stroke*, *31*(5), 1187–1193.
218. Guerra, D., Guidolin, D., Carnevali, E., Serbano, S., Lini, E., Frizziero, L., & Pasquali Ronchetti, I. (2000). CD44 and TGF- β expression in normal and osteoarthritic cartilage of the human knee before and after hyaluronan treatment. *OSTEOARTHRITIS AND CARTILAGE*.
219. Lisignoli, G., Grassi, F., Zini, N., Piacentini, A., Scorzoni, L., Toneguzzi, S., ... Facchini, A. (2000). Apoptosis of osteoarthritis chondrocytes induced by anti-fas is reduced by hyaluronan. *OSTEOARTHRITIS AND CARTILAGE*.
220. Brun, P., Abatangelo, G., Radice, M., Zacchi, V., Guidolin, D., Daga Gordini, D., & Cortivo, R. (1999). Chondrocyte aggregation and reorganization into three-dimensional scaffolds. *J Biomed Mater Res*, *46*(3), 337–346.
221. Jansson, A., Mazel, T., Andbjør, B., Rosén, L., Guidolin, D., Zoli, M., ... Fuxe, K. (1999). Effects of nitric oxide inhibition on the spread of biotinylated dextran and on extracellular space parameters in the neostriatum of the male rat. *Neuroscience*, *91*(1), 69–80.
222. Guidolin, D. (1999). Aspetti ultrastrutturali della cartilagine normale e patologica. *Reumatismo*.
223. De Caro, R., Aragona, F., Herms, A., Guidolin, D., Brizzi, E., & Pagano, F. (1998). Morphometric analysis of the fibroadipose tissue of the female pelvis. *J Urol*, *160*(3 Pt 1), 707–713.
224. Valenti, M. T., Azzarello, G., Vinante, O., Manconi, R., Balducci, E., Guidolin, D., ... Sartore, S. (1998). Differentiation, proliferation and apoptosis levels in human leiomyoma and leiomyosarcoma. *J Cancer Res Clin Oncol*, *124*(2), 93–105.
225. Giusti, P., & Guidolin, D. (1997). Farmacocinetica e farmacodinamica degli anestetici. In B. Allaria, M. V. Baldassarre, A. Gullo, A. Luzzani, G. Manani, G. Martinelli, ... L. Torelli (Eds.), *Farmacologia generale e speciale in anesthesiologia clinica* (pp. 1–28). Milano: Springer-Verlag Italia.
226. Zaninotto, G., Costantini, M., Boccù, C., Anselmino, M., Parenti, A., Guidolin, D., & Ancona, E. (1996). Functional and morphological study of the cricopharyngeal muscle in patients with Zenker's diverticulum. *Br J Surg*, *83*(9), 1263–1267.
227. Zoli, M., Guidolin, D., Fuxe, K., & Agnati, L. F. (1996). The receptor mosaic hypothesis of the engram: possible relevance of Boolean network modeling. *Int J Neural Syst*, *7*(4), 363–368.
228. Pampinella, F., Roelofs, M., Castellucci, E., Chiavegato, A., Guidolin, D., Passerini-Glazel, G., ... Sartore, S. (1996). Proliferation of submesothelial mesenchymal cells during early phase of serosal thickening in the rabbit bladder is accompanied by transient keratin 18 expression. *Exp Cell Res*, *223*(2), 327–339. <https://doi.org/10.1006/excr.1996.0088>
229. De Caro, R., Serafini, M. T., Galli, S., Parenti, A., Guidolin, D., & Munari, P. F. (1995). Anatomy of segmental duplication in the human basilar artery. Possible site of aneurysm formation. *Clin Neuropathol*, *14*(6), 303–309.
230. Guidolin, D. (1995). Microanalisi a raggi X. In C. Scala, G. Pasquinelli, & G. Cenacchi (Eds.), *Microscopia in biologia e medicina* (pp. 411–434). Bologna: CLUEB.
231. Guidolin, D. (1995). Analisi delle immagini. In C. Scala, G. Pasquinelli, & G. Cenacchi (Eds.), *Microscopia in biologia e medicina* (pp. 437–464). Bologna: CLUEB.

232. Guidolin, D., Pradella, M., Nemetz, L., di Prun, P., & Mazza, M. R. (1994). Microscopia. In A. Burlina (Ed.), *Medicina di Laboratorio - Principi di tecnologia* (Vol. 2). Torino: C.G. Edizioni Medico Scientifiche.
233. Italiano, G., Petrelli, L., Marin, A., Guidolin, D., Venturin, G., Pescatori, E. S., ... Calabrò, A. (1993). Ultrastructural analysis of the cavernous and dorsal penile nerves in experimental diabetes. *Int J Impot Res*, 5(3), 149–160.
234. Spoerri, P. E., Petrelli, L., Guidolin, D., & Skaper, S. D. (1993). Colocalization of low- and high-affinity NGF receptors on PC12 cells, C6 glioma cells and dorsal root ganglion neurons. *Eur J Cell Biol*, 61(2), 256–263.
235. Comelli, M. C., Guidolin, D., Seren, M. S., Zanoni, R., Canella, R., Rubini, R., & Manev, H. (1993). Time course, localization and pharmacological modulation of immediate early inducible genes, brain-derived neurotrophic factor and trkB messenger RNAs in the rat brain following photochemical stroke. *Neuroscience*, 55(2), 473–490.
236. Cosi, C., Spoerri, P. E., Comelli, M. C., Guidolin, D., & Skaper, S. D. (1993). Glucocorticoids depress activity-dependent expression of BDNF mRNA in hippocampal neurones. *Neuroreport*, 4(5), 527–530.
237. Giuriato, L., Scatena, M., Chiavegato, A., Zanellato, A. M., Guidolin, D., Pauletto, P., & Sartore, S. (1993). Localization and smooth muscle cell composition of atherosclerotic lesions in Watanabe heritable hyperlipidemic rabbits. *Arterioscler Thromb*, 13(3), 347–359.
238. Spoerri, P. E., Romanello, S., Petrelli, L., Negro, A., Guidolin, D., & Skaper, S. D. (1993). Neurotrophin-3 upregulates NGF receptors in a central nervous system glial cell line. *Neuroreport*, 4(1), 33–36.
239. Giuriato, L., Scatena, M., Chiavegato, A., Guidolin, D., Pauletto, P., & Sartore, S. (1993). Rabbit ductus arteriosus during development: anatomical structure and smooth muscle cell composition. *Anat Rec*, 235(1), 95–110. <https://doi.org/10.1002/ar.1092350110>
240. Seren, M. S., Lazzaro, A., Comelli, M. C., Canella, R., Zanoni, R., Guidolin, D., & Manev, H. (1993). Monosialoganglioside GM1 in experimental models of stroke. In A. Hartmann, F. Yatsu, & W. Kuschinsky (Eds.), *Cerebral ischemia and basic mechanisms* (pp. 125–129). Berlin Heidelberg: Springer-Verlag.
241. Italiano, G., Petrelli, L., Marin, A., Guidolin, D., Venturin, G., Calabrò, A., ... Triban, C. (1993). Structural changes in the dorsal nerve of the penis from the streptozotocin-diabetic rat: a preliminary study. *Urodynamic*.
242. GUIDOLIN, D., POLATO, P., VENTURIN, G., ZANOTTI, A., MOCHEGANI, E., FABRIS, N., & NUNZI, M. G. (1992). Correlation between Zinc Level in Hippocampal Mossy Fibers and Spatial Memory in Aged Rats. *Annals of the New York Academy of Sciences* (Vol. 673). <https://doi.org/10.1111/j.1749-6632.1992.tb27452.x>
243. AGNATIC, L. F., BENFENATI, F., SOLFRINI, V., BIAGINI, G., FUXE, K., GUIDOLIN, D., ... ZINI, I. (1992). Brain Aging and Neuronal Plasticity. *Annals of the New York Academy of Sciences* (Vol. 673). <https://doi.org/10.1111/j.1749-6632.1992.tb27451.x>
244. Agnati, L. F., Benfenati, F., Solfrini, V., Biagini, G., Fuxe, K., Guidolin, D., ... Zini, I. (1992). Brain aging and neuronal plasticity. *Ann N Y Acad Sci*, 673, 180–186.
245. Guidolin, D., Polato, P., Venturin, G., Zanotti, A., Mocchegiani, E., Fabris, N., & Nunzi, M. G. (1992). Correlation between zinc level in hippocampal mossy fibers and spatial memory in aged rats. *Ann N Y Acad Sci*, 673, 187–193.
246. Milani, D., Minozzi, M. C., Petrelli, L., Guidolin, D., Skaper, S. D., & Spoerri, P. E. (1992). Interaction of ganglioside GM1 with the B subunit of cholera toxin modulates intracellular free calcium in sensory neurons. *J Neurosci Res*, 33(3), 466–475. <https://doi.org/10.1002/jnr.490330313>
247. Comelli, M. C., Seren, M. S., Guidolin, D., Manev, R. M., Favaron, M., Rimland, J. M., ... Manev, H. (1992). Photochemical stroke and brain-derived neurotrophic factor (BDNF) mRNA expression. *Neuroreport*, 3(6), 473–476.
248. Zoli, M., Guidolin, D., & Agnati, L. F. (1992). Morphometric evaluation of populations of neuronal profiles (cell bodies, dendrites, and nerve terminals) in the central nervous system. *Microsc Res Tech*, 21(4), 315–337. <https://doi.org/10.1002/jemt.1070210408>
249. Nunzi, M. G., Guidolin, D., Petrelli, L., Polato, P., & Zanotti, A. (1992). Behavioral and morpho-functional correlates of brain aging: a preclinical study with phosphatidylserine. *Adv Exp Med Biol*, 318, 393–398.
250. Guidolin, D., Polato, P., Venturin, G., Zanotti, A., Mocchegiani, E., Fabris, N., & Nunzi, M. G. (1992). Zinco ippocampale e memoria spaziale nel ratto anziano. Effetto del trattamento con fosfatidilserina. In S. Algeri

- (Ed.), *Neurobiologia del cervello senile. Aspetti di ricerca di base e clinica* (pp. 77–85). Milano: Pythagora Press.
251. Pualetto, P., Sartore, S., Giuriato, L., Scatena, M., Guidolin, D., Scannapieco, G., & Pessina, A. C. (1991). Computer-driven assessment of 'immature'-type smooth muscle cells in rabbit aorta. *J Hypertens Suppl*, *9*(6), S180-1.
252. Schiavinato, A., Morandin, A. R., Guidolin, D., Lini, E., Nunzi, M. G., & Fiori, M. G. (1991). Perineurium of sciatic nerve in normal and diabetic rodents: freeze-fracture study of intercellular junctional complexes. *J Neurocytol*, *20*(6), 459–470.
253. Milani, D., Guidolin, D., Facci, L., Pozzan, T., Buso, M., Leon, A., & Skaper, S. D. (1991). Excitatory amino acid-induced alterations of cytoplasmic free Ca²⁺ in individual cerebellar granule neurons: role in neurotoxicity. *J Neurosci Res*, *28*(3), 434–441. <https://doi.org/10.1002/jnr.490280317>
254. Fusco, M., Bentivoglio, M., Vantini, G., Guidolin, D., Polato, P., & Leon, A. (1991). Nerve Growth Factor Receptor-immunoreactive Fibres Innervate the Reticular Thalamic Nucleus: Modulation by Nerve Growth Factor Treatment in Neonate, Adult and Aged Rats. *Eur J Neurosci*, *3*(10), 1008–1015.
255. Ciofi Luzzatto, A., De Stefano, M. E., Guidolin, D., Paggi, P., & Toschi, G. (1991). Quantitative study of neuronal degeneration induced by Ricinus toxin and crush of postganglionic nerves in the ciliary ganglion of quail. *Neuroscience*, *42*(3), 893–900.
256. Morandi, A., Guidolin, D., Polato, P., Zanotti, A., & Nunzi, M. G. (1991). Phosphatidylserine restores spatial memory and morphofunctional cholinergic markers in basal forebrain nuclei of aged rats. In *Alzheimer's disease: basic mechanisms, diagnosis and therapeutic strategies* (pp. 633–638). John Wiley & Sons, Ltd.
257. Nunzi, M. G., Zanotti, A., Polato, P., Petrelli, L., & Guidolin, D. (1991). Morpho-functional correlates of learning and memory in aged rats. Effects of phosphatidylserine administration. In G. Racagni, N. Brunello, & T. Fukuda (Eds.), *Biological Psychiatry* (Vol. 2). Amsterdam: ELSEVIER SCIENCE PUBLISHER B.V.
258. Guidolin, D. (1991). Image Analysis e ricerca neurobiologica: aspetti metodologici ed applicativi. *Microscopia Elettronica*, *12*, 126–135.
259. Guidolin, D. (1991). Visualization and quantitative evaluation of brain tissue biochemical and functional properties. *PROGRESSI IN MEDICINA DI LABORATORIO*, *5*, 3–12.
260. Milani, D., Malgaroli, A., Guidolin, D., Fasolato, C., Skaper, S. D., Meldolesi, J., & Pozzan, T. (1990). Ca²⁺ channels and intracellular Ca²⁺ stores in neuronal and neuroendocrine cells. *Cell Calcium*, *11*(2–3), 191–199.
261. Zoli, M., Zini, I., Agnati, L. F., Guidolin, D., Ferraguti, F., & Fuxe, K. (1990). Aspects of neural plasticity in the central nervous system-I. Computer-assisted image analysis methods. *Neurochem Int*, *16*(4), 383–418.
262. Nunzi, M. G., Milan, F., Guidolin, D., Zanotti, A., & Toffano, G. (1990). Therapeutic properties of phosphatidylserine in the ageing brain. In I. Hanin & G. Pepeu (Eds.), *Phospholipids: Biochemical, Pharmaceutical and Analytical considerations* (pp. 213–218). New York: Plenum Press.
263. Zanotti, A., Nunzi, M. G., Milan, F., Guidolin, D., & Toffano, G. (1990). Phosphatidylserine: preclinical basis for a therapeutic approach to the aging brain. In G. Lubec & G. A. Rosenthal (Eds.), *Amino acids: chemistry, biology and medicine* (pp. 689–693). Leiden: ESCOM Science Publishers B.V.
264. Nunzi, M. G., Galbiati, E., Milan, F., Guidolin, D., Zanotti, A., & Toffano, G. (1990). Phosphatidylserine: preclinical basis for a therapeutic approach to the aging brain. In L. Battistin & F. Gerstenbrand (Eds.), *Aging brain and dementia: new trends in diagnosis and therapy* (pp. 577–590). New York: ALAN R. LISS.
265. Guidolin, D., Piva, E., di Prun, P., Nemetz, L., Pradella, M., & Burlina, A. (1990). Automatic evaluation of intracellular enzyme activity by computer assisted image analysis. *PROGRESSI IN MEDICINA DI LABORATORIO*.
266. ZANOTTI, A., NUNZI, M. G., POLATO, P., GUIDOLIN, D., & TOFFANO, G. (1990). Effects of phosphatidylserine in behaviorally impaired aged rats and related changes in septal cholinergic neurons.
267. Nemetz, L., di Prun, P., Reimers, B., Guidolin, D., Pradella, M., & Burlina, A. (1990). Quantitative assay of granulocyte esterase in intact cells and determination of a reference interval. *PROGRESSI IN MEDICINA DI LABORATORIO*.
268. Nunzi, M. G., Milan, F., Polato, P., Zanotti, A., Guidolin, D., & Toffano, G. (1990). Phosphatidylserine restores spatial memory and morphofunctional cholinergic markers in basal forebrain nuclei of aged rats. *Neurobiol Aging*.

269. Nunzi, M. G., Milan, F., Guidolin, D., Polato, P., & Toffano, G. (1989). Effects of phosphatidylserine administration on age-related structural changes in the rat hippocampus and septal complex. *Pharmacopsychiatry*, *22 Suppl 2*, 125–128. <https://doi.org/10.1055/s-2007-1014632>
270. Triban, C., Guidolin, D., Fabris, M., Marini, P., Schiavinato, A., Donà, M., ... Fiori, M. G. (1989). Ganglioside treatment and improved axonal regeneration capacity in experimental diabetic neuropathy. *Diabetes*, *38*(8), 1012–1022.
271. Schiavinato, A., Lini, E., Guidolin, D., Pezzoli, G., Botti, P., Martelli, M., ... Abatangelo, G. (1989). Intraarticular sodium hyaluronate injections in the Pond-Nuki experimental model of osteoarthritis in dogs. II. Morphological findings. *Clin Orthop Relat Res*, (241), 286–299.
272. Milani, D., Facci, L., Guidolin, D., Leon, A., & Skaper, S. D. (1989). Activation of polyphosphoinositide metabolism as a signal-transducing system coupled to excitatory amino acid receptors in astroglial cells. *Glia*, *2*(3), 161–169. <https://doi.org/10.1002/glia.440020305>
273. Fiori, M. G., Triban, C., Fabris, M., Marini, P., Panozzo, C., Schiavinato, A., ... Guidolin, D. (1989). Gangliosides: role in health and disease. In J. P. Assal & C. Liniger (Eds.), *Peripheral neuropathies 1988: what is significantly new ?* Padova: Liviana Press.
274. Guidolin, D., Milan, F., Polato, P., Nunzi, M. G., & Toffano, G. (1989). Phosphatidylserine treatment prevents age-induced structural alterations in the rat septo-hippocampal system. In N. G. Bazan, L. A. Horrocks, & G. Toffano (Eds.), *Phospholipids in the nervous system: biochemical and molecular pathology* (pp. 183–193). Padova: Liviana Press.
275. Agnati, L. F., Fuxe, K., Zoli, M., Guidolin, D., Merlo Pich, E., Bjelke, B., & Zini, I. (1989). New aspects of the morphometrical characterization at cell body and terminal level of transmitter identified nerve populations using computer-assisted image analysis. In D. Ottoson (Ed.), *Visualization of brain function* (pp. 87–101). London: McMillan Press Ltd.
276. Casamenti, F., Cenni, A., Di Patre, P. L., Guidolin, D., Petrelli, L., & Pepeu, G. (1988). Biochemical and morphological effects of exogenous ganglioside GM1 and NGF in rats with unilateral lesion of the nucleus basalis magnocellularis. *Pharmacological Research Communications*, *20*(SUPPL. 2). [https://doi.org/10.1016/S0031-6989\(88\)80209-1](https://doi.org/10.1016/S0031-6989(88)80209-1)
277. Nunzi, M. G., Milan, F., Polato, P., Guidolin, D., & Toffano, G. (1988). Effects of phosphatidylserine administration on age-induced structural alterations of the septo-hippocampal system in the rat. *Pharmacological Research Communications*, *20*(SUPPL. 2). [https://doi.org/10.1016/S0031-6989\(88\)80401-6](https://doi.org/10.1016/S0031-6989(88)80401-6)
278. Orsoni, J. G., Chiari, M., Guazzi, A., de Carli, M., & Guidolin, D. (1988). [Efficacy of hyaluronic acid eyedrops in the treatment of dry eye. Cytologic study using an optical microscope and computerized microscope]. *Ophthalmologie*, *2*(4), 355–357.
279. Nunzi, M. G., Zanotti, A., Milan, F., Guidolin, D., Polato, P., & Toffano, G. (1988). Septal cholinergic neurons and spatial memory in aged rats. Effects of phosphatidylserine administration. In A. Agnoli, J. Cahn, N. Lassen, & R. Mayeux (Eds.), *Senile dementias* (Vol. 2, pp. 369–374). Paris: John Libbey Eurotext.
280. Zanotti, A., Galbiati, E., Nunzi, M. G., Guidolin, D., & Toffano, G. (1988). Phosphatidylserine: a therapeutic approach to the aging brain. In H. J. Altman & B. N. Altman (Eds.), *Alzheimer's and Parkinson's diseases* (pp. 265–276). New York: Plenum Press.
281. Milan, F., Guidolin, D., Polato, P., Nunzi, M. G., & Toffano, G. (1988). Structural changes of basal cholinergic neurons in the aged rat. Effect of phosphatidylserine administration. In G. Pepeu, B. Tomlinson, & C. M. Wischik (Eds.), *New trends in aging research* (pp. 221–231). Padova: Liviana Press.
282. Ciofi-Luzzatto, A., De Stefano, M. E., D, G., Mangano, G., Paggi, P., & Toschi, G. (1988). Neuronal degeneration in the ciliary ganglion of quail induced by postganglionic crush and ricinus toxin retrogradely transported: a quantitative study. *NEUROSCIENCE LETTERS*.
283. Milani, D., Guidolin, D., Facci, L., Leon, A., & Skaper, S. D. (1988). Excitatory amino acid-induced free intracellular calcium gradients in single cerebellar granule neurons in vitro. *NEUROSCIENCE LETTERS*.
284. Zoli, M., Guidolin, D., Zini, I., Merlo-Pich, E., Benfenati, F., Fuxe, K., & Agnati, L. F. (1988). Morphometrical and densitometrical analysis of chemical neuroanatomy: methodological aspects. *NEUROSCIENCE LETTERS*.
285. Calderini, G., Bellini, F., Bonetti, A. C., Galbiati, E., Guidolin, D., Milan, F., ... Toffano, G. (1987). Proprietà farmacologiche della fosfatidilserina nell'invecchiamento cerebrale. *Clinical Trials Journal*, *24*(1).

286. Nunzi, M. G., Milan, F., Guidolin, D., & Toffano, G. (1987). Dendritic spine loss in hippocampus of aged rats. Effect of brain phosphatidylserine administration. *Neurobiol Aging*, 8(6), 501–510.
287. Galbiati, E., Nunzi, M. G., Milan, F., Guidolin, D., Zanotti, A., & Toffano, G. (1987). Invecchiamento cerebrale: effetti comportamentali, biochimici e morfologici della fosfatidilserina nel ratto. In S. Bonaiuto & L. Amaducci (Eds.), *Le demenze. Epidemia silente degli anni futuri* (pp. 191–203). Padova: Liviana Press.
288. MILAN, F., NUNZI, M. G., GUIDOLIN, D., CALDERINI, G., & TOFFANO, G. (1987). Dendritic spine density of CA1 pyramidal cells in the hippocampus of aged rats - effects of phosphatidylserine administration. *GERONTOLOGY*.
289. Milan, F., Guidolin, D., Polato, P., Nunzi, M. G., & Toffano, G. (1987). Structural changes in the septal-hippocampal system of the aged rat. Effect of phosphatidylserine administration. *CLINICAL NEUROLOGY AND NEUROSURGERY*.
290. Calderini, G., Bellini, F., Bonetti, A. C., Galbiati, E., Guidolin, D., Milan, F., ... Toffano, G. (1987). Pharmacological properties of phosphatidylserine in the aging brain. *Clin Trials J*, 24, 9–17.
291. AGNATI, L. F., FUXE, K., GIARDINO, L., CALZA, L., ZOLI, M., BATTISTINI, N., ... GOLDSTEIN, M. (1985). *Evidence for Cholecystokinin-Dopamine Receptor Interactions in the Central Nervous System of the Adult and Old Rat: Studies on Their Functional Meaning*. *Annals of the New York Academy of Sciences* (Vol. 448). <https://doi.org/10.1111/j.1749-6632.1985.tb29927.x>
292. Agnati, L. F., Fuxe, K., Giardino, L., Calza, L., Zoli, M., Battistini, N., ... Ruggeri, M. (1985). Evidence for cholecystokinin-dopamine receptor interactions in the central nervous system of the adult and old rat. Studies on their functional meaning. *Ann N Y Acad Sci*, 448, 315–333.