CURRICULUM VITAE

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Laurea in Scienze Biologiche il 13 marzo 1984
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Compiti Didattici

Titolare del corso "General Physiology" (9CFU) (in inglese) del Corso di Laure in Scienze Biologiche
Titolare del corso "Fisiologia Cellulare e Molecolare" (6CFU) Lauree Specialistiche BARB, BMC
Collegio dei Docenti della Scuola di Dottorato in Scienze Cellulari e Molecolari. Collegio dei Docenti Graduate School Program in Neuroscience, UCL, London, UK

Esperienze Professionali :

2017- presente Visiting Scientist EURAC Biomedicine, Bolzano
2011-presente Visiting Scientist IFOM Campus, Milan
2007-2008 Visiting Professor Dept. of Physiology, UCL, London, UK
2006- presente. Professore Ordinario. Dip. Bioscienze University of Milano, Italy
2001 Professore Ordinario. Dip. Di Biologia Cellulare e dello Sviluppo Università "La Sapienza" Roma, Italy
1998 Professore Associato, Dip. Di Biologia Cellulare e dello Sviluppo Università "La Sapienza" Roma, Italy
1997 Visiting Professor, University of South Wales and St. Vincent Hospital, Sydney, Australia
1996 Visiting Professor, Institute of Physiology, Wuerzburg, Germany
1994 Visiting Professor, Dept. of Anatomy & Cell Biology, Emory University, Atlanta, GA, USA.
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1989-90 Asst. Professor, Dept. of Anatomy & Cell Biology, Emory University, Atlanta, GA, USA.
1988-89 Research Assoc., Dept. of Anatomy & Cell Biology, Emory University, Atlanta, GA, USA.
1987-88 Borsista, Dip. Fisiologia e Biochimica, Università di Milano, Italy.
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1984-85 Borsista, Dip. Fisiologia e Biochimica, Università di Milano, Italy.
1984 Borsista, Dip. Fisiologia Umana, Università di Milano, Italy.

Finanziamenti

1992-1994 CNR Nuclear Permeability
1995-1996 CNR Development and expression of genes in neuronal cells. Stimulation frequency effects.
1995-1996 Pharmacia-Upjon: Electrophysiological effect of anticonvulsive compounds.
1995 -1996 Pharmacia-Upjon: NMDA receptors in dissociated hippocampal cells and in xenopus oocyte.
1996-1998 CNR Development and expression of genes in neuronal cells. Stimulation frequency effects.
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1999-2000 CNR Gene expression in neuronal cells. Stimulation frequency effects.
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2000-2002 PRIN “Electromagnetic field on ion channel protein properties”
2003-2005 PRIN “Channelopathies properties of ionic channel activated by neurotransmitter and voltage".
2004-2005 Ministero della Sanità: Intracranial electrodes function and information transfer.
2005-2007 PRIN: Membrane ionic permeability during neurodegenerative process.
2007-2010 PRIN: Membrane ionic permeability during neurodegenerative process.
2007-2010 PRIN: Cellular and molecular mechanisms of amyloid peptides: oxidative stress
2010-2012 Merz Biotechnology: Neurodegeneration in Retina Ganglion Cells induced by beta-amyloid
2012-2013 AXXAM Pharmaceutic: microglia activation mechanism
2014-2015 GBPharma: CFTR regulation and pharmacology.
2016-2018 AIRC: CLIC1 Protein role in Glioblastoma cancer stem cells proliferation and migration

Pubblicazioni

1. Cavagna, G.A., M. Mazzanti, N. C. Heglund and G. Citterio. 1985. Storage and release of mechanical energy by active muscle: A non-elastic mechanism? *J. Exp. Biol.* 115:79-87.
2. Cavagna, G. A., M. Mazzanti, N. C. Heglund and G. Citterio. 1986. Mechanical transient energy initiated by ramp stretch and release to PO in frog muscle fibers. *Am. J. Physiol.* 251:C571-C579.
3. DiFrancesco, D., A. Ferroni, M. Mazzanti and C.Tromba. 1986. Properties of the hyperpolarizing activated current (if) in cells isolated from rabbit sino-atrial node. *J. Physiol.* 377:6188.
4. Mazzanti, M. and L. J. DeFelice. 1987. Regulation of Na-conducting Ca channel during the cardiac action potential. *Biophys. J.* 51:115-121.
5. Mazzanti, M. and L. J. DeFelice. 1987. Na channel kinetics during the spontaneous heart beat in embryonic chick ventricle cells. *Biophys. J.* 52:95-100.
6. Mazzanti, M. and L. J. DeFelice. 1988. K channel kinetics during the spontaneous heart beat in embryonic chick ventricle cells. *Biophys. J.* 54:1139-1148.
7. Mazzanti, M. and D. DiFrancesco. 1988. Intracellular Ca modulates K-inward rectification in cardiac myocytes. *Pfug. Arch.* 413:322-324.
8. Mazzanti, M. and L. J. DeFelice. 1990. Ca modulated outward current through IK1 channels. *J. Membrane Biology.* 116:41-45.

9. DeFelice L.J., Goolsby W.N., Mazzanti M. 1990. Potassium channels and the repolarization of cardiac cells. *Annals of The New York Academy of Sciences*, vol. 588, p. 174-184, ISSN: 0077-8923
10. Wellis D., L. J. DeFelice and M. Mazzanti. 1989. An outward Na current in beating heart cells. *Biophys. J.* 57:41-48.
11. Mazzanti, M., L. J. DeFelice, J. Cohen and H. Malter. 1990. Ion channels in the nuclear envelope. *Nature* 343:764-767.
12. Mazzanti, M. and L. J. DeFelice. 1990. Ca channel gating during cardiac action potentials. *Biophys.J.* 58:1059-1065.
13. Mazzanti, M., L. J. DeFelice and E. F. Smith. 1991. Ion channels in murine nuclei during early development and fully differentiate adult cells. *J. Membrane Biology* 121:189-198
14. Mazzanti, M., L. J. DeFelice and Yuan-Mou Liu. 1991. Gating of L-type Ca2+ channels in embryonic chick ventricle cells: dependence on voltage, current and channel density. *J. Physiol.* 443:307334.
15. Tabares, L., Mazzanti, M. and Clapham, D.E. 1991. Chloride channels in the nuclear membrane. *J. Membrane Biology.* 123:49-54.
16. Yuan-Mou Liu, De Felice L.J. and Mazzanti, M. 1992. Na channels that remain open throughout the cardiac action potential plateau. *Biophys. J.* 63:654-662.
17. Mazzanti, M., Galli, A. and A. Ferroni. 1992. Effect of firing rate on the calcium permeability in adult neurons during spontaneous action potentials. *Biophys. J.* 63:926-934.
18. Innocenti, B. and M. Mazzanti. 1993. Identification of a nucleo-cytoplasmic ionic pathway by osmotic shock in isolated mouse liver nuclei. *J. Membrane Biology.* 131/2:137-142.
19. Galli, A., Ferroni, A., Bertollini, L. and Mazzanti, M. 1994. Inactivation of single Ca2+ channels in rat sensory neuron by extracellular Ca2+. *J. Physiol.* 477.1:15-26.
20. Mazzanti, M. Innocenti, B. and Rigatelli, M. 1994. ATP dependent ionic permeability of nuclear envelope in in-situ nuclei of xenopus oocyte. *FASEB J.* 8/2:231-236
21. Mazzanti, M., Ferroni A., Assandri R. and D. DiFrancesco. 1996. Cytoskeletal control of rectification and expression of four substates in cardiac inward rectifier K-channels. *FASEB J.* 10:357-361.
22. Ferroni A., Galli, A. and M. Mazzanti. 1996. Functional role of low-voltage-activated dihydropyridine sensitive Ca channels during the action potential in adult rat sensory neurons. *Pflüg. Arch* 431:954-963.
23. Assandri, R., and M. Mazzanti. 1997. Ionic permeability on isolated mouse liver nuclei: influence of ATP and intracellular Ca^{++} levels. *J. Memb. Biol* 157/3:301-9
24. M. Mazzanti. 1998. Ion permeability of the nuclear envelope. *NIPS* 13:44-50
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