

PUBBLICAZIONI SU RIVISTE INDICIZZATE

1. **Moccia F.**, Villa A. and Tanzi F. (2000). Flow-activated Na⁺ and K⁺ current in cardiac microvascular endothelial cells, *Journal of Cellular and Molecular Cardiology*, 32(8):1589-1593.
2. **Moccia F.**, Baruffi S., Spaggiari S., Coltrini D., Berra-Romani R., Signorelli S., Castelli L., Taglietti V., and Tanzi F. (2001). P_{2y1} and P_{2y2} receptor-operated Ca²⁺ signals in primary cultures of cardiac microvascular endothelial cells. *Microvascular Research*, 61(3):240-252.
3. Macianskiene R., **Moccia F.**, Sipido K.R., Flameng W., and Mubagwa K. (2002). Channels involved in transient currents unmasked by removal of extracellular calcium in cardiac cells. *American Journal of Physiology – Heart and Circulatory Physiology*, 282(5):H1879-H1888.
4. **Moccia F.**, Berra-Romani R., Baruffi S., Spaggiari S., Signorelli S., Castelli L., Magistretti J., Taglietti V., and Tanzi F. (2002). Ca²⁺ uptake by the endoplasmic reticulum Ca²⁺-ATPase in rat microvascular endothelial cells. *Biochemical Journal*, 364(Pt 1):235-244.
5. **Moccia F.**, Berra-Romani R., Baruffi S., Spaggiari S., Adams D.J., Taglietti V., and Tanzi F. (2002). Basal nonselective cation permeability in rat cardiac microvascular endothelial cells. *Microvascular Research*, 64(2):187-197.
6. **Moccia F.***, Berra-Romani R., Tritto S., Signorelli S., Taglietti V., and Tanzi F. (2003). Epidermal growth factor induces intracellular Ca²⁺ oscillations in microvascular endothelial cells. *Journal of Cellular Physiology*, 194(2):139-150. *Corresponding author.
7. Santella L., Ercolano E., Lim D., Nusco G.A., and **Moccia F.** (2003). Activated M-phase-promoting factor (MPF) is exported from the nucleus of starfish oocytes to increase the sensitivity of the Ins(1,4,5)P₃ receptors. *Biochemical Society Transactions*, 31(Pt 1):79-82.
8. **Moccia F.**, Nusco G.A., Lim D., Ercolano E., Gragnaniello G., Brown E.R., and Santella L. (2003). Ca²⁺ signalling and membrane current activated by cADPr in starfish oocytes. *Pflügers Arch.*, 446(5): 541-552.
9. **Moccia F.**, Lim D., Nusco G.A., Ercolano E., and Santella L. (2003). NAADP activates a Ca²⁺ current which is dependent on F-actin cytoskeleton. *The FASEB Journal*, 17(13): 1907-1909.
10. Lim D., Ercolano E., Kyojuka K., Nusco G.A., **Moccia F.**, Lange K., and Santella L. (2003). The M-phase promoting factor modulates the sensitivity of the Ca²⁺ stores to InsP₃ via the actin cytoskeleton. *Journal of Biological Chemistry*, 278(43): 42505-42514.
11. **Moccia, F.**, Frost, C., Berra-Romani, R., Tanzi, F., and Adams, D.J. (2004). Expression and function of neuronal nicotinic acetylcholine receptors in rat microvascular endothelial cells. *American Journal of Physiology – Heart and Circulatory Physiology*, 286(2): H486-H491.
12. **Moccia, F.**, Lim, D., Kyojuka, K., and Santella, L. (2004). NAADP triggers the fertilization potential in starfish oocytes. *Cell Calcium*, 36(6): 515-524.
13. Santella, L., Lim, D., and **Moccia, F.** (2004). Calcium and fertilization: the beginning of life. *Trends in Biochemical Sciences*, 29(8): 400-408. Issue cover.
14. **Moccia, F.***, Nusco, G.A, Lim, D., Kyojuka, K., and Santella, L. (2006) NAADP and InsP₃ play distinct roles at fertilization in starfish oocytes. *Developmental Biology*, 294(1): 24-38. *Corresponding author.
15. **Moccia, F.***, Billington, R.A., and Santella, F. (2006). Pharmacological characterization of NAADP-induced Ca²⁺ signals in starfish oocytes. *Biochemical and Biophysical Research Communications*, 348(2): 329-336. *Corresponding author.
16. **Moccia, F.*** (2007). Latrunculin A depolarizes starfish oocytes. *Comparative Physiology & Biochemistry. Part A: Molecular and Integrative Physiology*, 184(4): 845-852. *Corresponding author.

17. Piscopo, S., **Moccia, F.**, Di Cristo, C., Caputi, L., Di Cosmo, A., and Brown E.R. (2007). Pre- and postsynaptic excitation and inhibition at octopus optic lobe photoreceptor terminals; implications for the function of the 'presynaptic bags'. *European Journal of Neuroscience*, 26(8): 2196-2203.
18. Berra-Romani, F., Raqeeb, A., Avelino Cruz, J.E., **Moccia, F.**, Oldani, A., Speroni, F., Taglietti, V., and Tanzi, F. (2008). Ca²⁺ signaling in injured *in situ* endothelium of rat aorta. *Cell Calcium*, 44(3):298-309.
19. Berra-Romani, F., Raqeeb, A., Laforenza, U., Scattino, M.F., **Moccia, F.***, Avelino Cruz, J.E., Oldani, A., Coltrini, D., Milesi, V., Taglietti, V., and Tanzi, F. (2009). Cardiac microvascular endothelial cells express a functional Ca²⁺-sensing receptor. *Journal of Vascular Research*, 46(1):73-82. *Corresponding author.
20. **Moccia, F.**, Di Cristo, C., Winlow, W., Di Cosmo, A. GABA_A- and AMPA-like receptors modulate the activity of an identified neuron within the central pattern generator of the pond snail *Lymnaea stagnalis*. *Invertebrate Neuroscience* 9(1):29-41.
21. **Moccia, F.***, Di Cristo, C., Di Cosmo, A. (2009). Lost in phototransduction: a few facts and hypotheses on cephalopod photoresponse. *Frontiers in Biosciences*, 1:319-328. *Corresponding author.
22. Berra-Romani, R., Raqeeb, A., Guzman-Silva, A., Torres-Jácome, J., Tanzi, F., **Moccia, F.*** (2010). *Biochemical and Biophysical Research Communications*, 395(1): 126-130. *Corresponding author.
23. **Moccia, F.***, Avelino Cruz, J.E., Sánchez-Hernandez, Y., **Tanzi, F.** (2010). Ca²⁺ signalling in damaged endothelium: do connexin hemichannels aid in filling the gap? *Current Drug Therapy*, 5(4): 277-287. *Corresponding author.
24. Sánchez-Hernández, Y., Laforenza, U., Bonetti, E., Fontana, J., Dragoni, S., Russo, M., Avelino-Cruz, J.E., Schinelli, S., Testa, D., Guerra, G., Rosti, V., Tanzi, F., **Moccia, F.*** (2010). Store operated Ca²⁺ entry is expressed in human endothelial progenitor cells. *Stem Cells and Development*, 19(12):1967-81. *Corresponding author.
25. Pupo, E., Fiorio Pla, A., Avanzato, D., **Moccia, F.**, Avelino Cruz J.E., Tanzi, F., Merlino, A., Mancardi, D., Munaron, L. (2011). Hydrogen sulfide promotes calcium signals and migration in tumor-derived endothelial cells. *Free Radical Biology & Medicine*, 51(9):1765-73.
26. Dragoni, S., Laforenza, U., Bonetti, E., Lodola, F., Bottino, C., Berra-Romani, R., Bongio, G.C., Cinelli, M.P., Guerra, G., Pedrazzoli, P., Rosti, V., Tanzi, F., **Moccia, F.*** (2011). Vascular endothelial growth factor stimulates endothelial colony forming cells proliferation and tubulogenesis by inducing oscillations in intracellular Ca²⁺ concentration. *Stem Cells, Stem Cells*, 29(11):1898-907. *Corresponding author.
27. Mancardi, D., Fiorio Pla, A., **Moccia, F.**, Tanzi, F., Munaron L. (2010). Old and new gasotransmitters in the cardiovascular system: focus on the role of nitric oxide and hydrogen sulfide in endothelial cells and cardiomyocytes. *Current Pharmaceutical Biotechnology*, 12(9):1406-15.
28. **Moccia, F.***, Bertoni, G., Florio Pla, A., Dragoni, S., Pupo, E., Merlino, A., Mancardi, D., Munaron, L., Tanzi, F. (2010). Hydrogen sulphide regulates intracellular Ca²⁺ concentration in endothelial cells from excised rat aorta. *Current Pharmaceutical Biotechnology*, 12(9):1416-26. *Corresponding author.
29. Berra-Romani, R., Raqeeb, A., Torres-Jácome, J., Guzman-Silva, A., Guerra, G., Tanzi, F., **Moccia, F.** (2012). The mechanism of injury-induced [Ca²⁺]_i oscillations in the endothelium of excised rat aorta. *Journal of Vascular Research*, 49(1):65-76.
30. **Moccia, F.***, Bonetti, E., Dragoni, S., Fontana, J., Lodola, F., Berra-Romani, R., Laforenza, U., Rosti, V., Tanzi, F. (2012). Hematopoietic progenitor and stem cells circulate by surfing on intracellular Ca²⁺ waves: a novel target for cell-based therapy and

anti-cancer treatment? *Current Signal Transduction Therapy*, 7(2):161-76. *Corresponding author.

31. De Lisa, E., De Maio, A., Moroz, L.L., **Moccia, F.**, Mennella, M.R., Di Cosmo, A. (2012). Characterization of novel cytoplasmic PARP in the brain of *Octopus vulgaris*. *Biological Bulletin*, 222(3):176-81.

32. Moccia, F., Berra-Romani, R., Tanzi, F. (2012) Update on endothelial Ca²⁺ signalling: a tale of ion channels, pumps, and transporters. *World Journal of Biological Chemistry*, 3(7):127-58.

33. **Moccia, F.***, Dragoni, S., Lodola, F., Bonetti, E., Bottino, C., Guerra, G., Laforenza, U., Rosti, V., Tanzi, F. (2012). Store-dependent Ca²⁺ entry in endothelial progenitor cells as a perspective tool to enhance cell-based therapy and adverse tumour vascularisation *Current Medicinal Chemistry*, 19(34):5802-18. *Corresponding author.

34. Lodola, F., Laforenza, U., Bonetti, E., Lim, D., Dragoni, S. Bottino, C. Ong, H.L., Guerra, G., Ganini, C., Massa, M., Manzoni, M., Ambudkar, I.S., Genazzani, A.A., Rosti, V., Pedrazzoli, P., Tanzi, F., **Moccia, F.***, Porta, C. (2012). Store-operated Ca²⁺ entry is remodelled and controls in vitro angiogenesis in endothelial progenitor cells isolated from tumoral patients, *PlosOne*, 7(9):e42541. *Corresponding author.

35. **Moccia, F.***, Berra-Romani, R., Tanzi F. (2012). Ca²⁺ signalling in damaged endothelium and arterial remodelling: do connexin hemichannels provide a suitable target to prevent in-stent restenosis? *Current Drug Therapy*, 7(4):268-280. *Corresponding author.

36. Mancardi, D., Avanzato, D., **Moccia, F.**, Munaron, L. (2013). Hydrogen sulphide as a regulator of calcium channels. *Cell Calcium*, 53(2):77-84.

38. De Lisa, E., Salzano, A.M., **Moccia, F.**, Scaloni, A., Di Cosmo, A. (2013). Sperm-attractant peptide influences the spermatozoa swimming behavior in internal fertilization in *Octopus vulgaris*. *Journal of Experimental Biology*, 216(Pt 12):2229-2237.

37. Dragoni, S., Laforenza, U., Bonetti, E., Lodola, F., Bottino, C., Guerra, G., Borghesi, A., Stronati, M., Rosti, V., Tanzi, F., **Moccia F.*** (2013). Canonical Transient Receptor Potential 3 channel triggers VEGF-induced intracellular Ca²⁺ oscillations in endothelial progenitor cells isolated from umbilical cord blood. *Stem Cells and Development* 22(19):2561-80. *Corresponding author.

38. Berra-Romani, R., Avelino-Cruz, J.E., Raqeeb, A., Della Corte, A., Cinelli, M., Montagnani, S., Guerra, G., **Moccia, F.**, Tanzi, F. (2013). Ca²⁺-dependent nitric oxide release in the injured endothelium of excised rat aorta: a promising mechanism applying in vascular prosthetic devices in aging patients. *BMC Surgery* 13 Suppl 2:S40.

39. **Moccia, F.**, Dragoni, S., Cinelli, M., Montagnani, S., Amato, B., Rosti, V., Guerra, G., Tanzi, F. (2013). How to utilize Ca²⁺ signals to rejuvenate the reparative phenotype of senescent endothelial progenitor cells in elderly patients affected by cardiovascular diseases: a useful therapeutic support of surgical approach? *BMC Surgery* 13 Suppl 2:S46.

40. **Moccia, F.***, Dragoni, S., Poletto, V., Rosti, V., Tanzi, F., Ganini, C., Porta, C. (2014). Orai1 and transient receptor potential channels as novel molecular targets to impair tumor neovascularisation in renal cell carcinoma and other malignancies. *Anti-cancer Agents in Medicinal Chemistry*, 14(2):296-312. *Corresponding author.

41. **Moccia, F.***, Tanzi, F., Munaron, L. (2014). Endothelial remodelling and intracellular calcium machinery. *Current Molecular Medicine* 14(4):457-80. *Corresponding author.

42. Di Buduo, C.A., **Moccia, F.**, Battiston, M., De Marco, L., Mazzucato, M., Moratti, R., Tanzi, F., Balduini, A. (2014). The importance of calcium in the regulation of megakaryocyte function. *Haematologica* 99(4):769-78.

43. Dragoni, S., Laforenza, U., Bonetti, E., Reforgiato, M., Poletto, V., Lodola, F., Bottino, C., Guido, D., Rappa, A., Pareek, S., Tomasello, M., Guarrera, M.R., Cinelli, M.P.,

- Aronica, A., Guerra, G., Barosi, G., Tanzi, F., Rosti, V., **Moccia, F.*** (2014) Enhanced expression of Stim, Orai, and TRPC transcripts and proteins in endothelial progenitor cells isolated from patients with primary myelofibrosis. *PLoS One* 9(3):e91099. *Corresponding author.
44. Dragoni, S., Guerra, G., Fiorio Pla, A., Bertoni, G., Rappa, A., Poletto, V., Bottino, C., Aronica, A., Lodola, F., Cinelli, M.P., Laforenza, U., Rosti, V., Tanzi, F., Munaron, L., **Moccia, F.*** (2015). A functional transient receptor potential vanilloid 4 (TRPV4) channel is expressed in human endothelial progenitor cells. *Journal of Cellular Physiology* 230(1):95-104. *Corresponding author.
45. Altaany, Z., **Moccia, F.**, Munaron, L., Mancardi, D., Wang, R. (2014). Hydrogen sulfide and endothelial dysfunction: relationship with nitric oxide. *Current Medicinal Chemistry* 21(32):3646-61.
46. Potenza, D.M., Guerra, G., Avanzato, D., Poletto, V., Pareek, S., Guido, D., Gallanti, A., Rosti, V., Munaron, L., Tanzi, F., **Moccia, F.*** (2014). Hydrogen sulphide triggers VEGF-induced intracellular Ca^{2+} signals in human endothelial cells but not in their immature progenitors. *Cell Calcium* 56(3):225-34. *Corresponding author.
47. Dragoni, S., Turin, I., Laforenza, U., Potenza, D.M., Bottino, C., Glasnov, T.N., Prestia, M., Ferulli, F., Saitta, A., Mosca, A., Guerra, G., Rosti, V., Luinetti, O., Ganini, C., Porta, C., Pedrazzoli, P., Tanzi, F., Montagna, D., **Moccia, F.*** (2014). Store-operated Ca^{2+} entry does not control proliferation in primary cultures of human metastatic renal cellular carcinoma. *Biomed Research International* 2014:739494. *Corresponding author.
48. **Moccia, F.***, Lodola, F., Dragoni, S., Bonetti, E., Bottino, C., Guerra, G., Laforenza, U., Rosti, V., Tanzi, F. (2014). Ca^{2+} signalling in endothelial progenitor cells: a novel means to improve cell-based therapy and impair tumor vascularisation. *Current Vascular Pharmacology* 12(1):87-105. *Corresponding author.
49. **Moccia, F.***, Poletto, V. (2015). May the remodeling of the Ca^{2+} toolkit in endothelial progenitor cells derived from cancer patients suggest alternative targets for anti-angiogenic treatment? *Biochimica et Biophysica Acta* 1853(9):1958-73. *Corresponding author.
50. **Moccia, F.***, Ruffinatti, F.A., Zuccolo, E. (2015). Intracellular Ca^{2+} signals to reconstruct a broken heart: Still a theoretical approach? *Current Drug Targets* 16(8):793-815.
51. Ronco, V., Potenza, D.M., Denti, F., Vullo, S., Gagliano, G., Tognolina, M., Guerra, G., Pinton, P., Genazzani, A.A., Mapelli, L., Lim, D., **Moccia, F.*** (2015). A novel Ca^{2+} -mediated cross-talk between endoplasmic reticulum and acidic organelles: implications for NAADP-dependent Ca^{2+} signalling. *Cell Calcium* 57(2):89-100. *Corresponding author.
52. Tocchetti, C.G., Molinaro, M., Angelone, T., Lionetti, V., Madonna, R., Mangiacapra, F., **Moccia, F.**, Penna, C., Sartiani, L., Quaini, F., Pagliaro, P. (2015). Nitroso-redox balance and modulation of basal myocardial function: An update from the Italian Society of Cardiovascular Research (SIRC). *Current Drug Targets* 16(8):895-903.
53. **Moccia, F.***, Zuccolo, E., Soda, T., Tanzi, F., Guerra, G., Mapelli, L., Lodola, F., D'Angelo, E. Stim and Orai proteins in neuronal Ca^{2+} signaling and excitability. *Frontiers Cellular Neuroscience* 24;9:153. *Corresponding author.
54. D'Alessio, A., **Moccia, F.**, Li, J.H., Micera, A., Kyriakides, T.R. (2015). Angiogenesis and vasculogenesis in health and disease. *Biomed Research International* 2015:126582.
55. Guzmán-Silva, A., Vázquez de Lara, L.G., Torres-Jácome, J., Vargaz-Guadarrama, A., Flores-Flores, M., Pezzat Said, E., Lagunas-Martínez, A., Mendoza-Milla, C., Tanzi, F., **Moccia, F.**, Berra-Romani, R. (2015). Lung beractant increases free cytosolic levels of Ca^{2+} in human lung fibroblasts. *PLoS One* 10(7):e0134564.
56. **Moccia, F.***, Zuccolo, E., Poletto, V., Cinelli, M., Bonetti, E., Guerra, G., Rosti, V. (2015). Endothelial progenitor cells support tumour growth and metastatisation:

implications for the resistance to anti-angiogenic therapy. *Tumour Biology*, 36(9):6603-6614. *Corresponding author.

57. Dragoni, S., Reforgiato, M., Zuccolo, E., Poletto, V., Lodola, F., Ruffinatti, F.A., Bonetti, E., Guerra, G., Barosi, G., Rosti, V., **Moccia, F.*** Dysregulation of VEGF-induced pro-angiogenic Ca²⁺ oscillations in primary myelofibrosis-derived endothelial colony forming cells. *Experimental Hematology*, 43(12):1019-1030.e3. *Corresponding author.

58. Mazzucchelli, I., Lisini, D., Garofoli, F., Dragoni, S., Angelini, M., Pozzi, M., Bonetti, E., Tziella, C., Kramer, B.W., Spinillo, A., Maccario, R., Rosti, V., **Moccia, F.**, Borghesi, A., Stronati, M. (2015). Expression and function of toll-like receptors in human circulating endothelial colony forming cells. *Immunology Letters*, 168(1):98-104.

59. Pietra, D., Rumi, E., Ferretti, V.V., Di Buduo, C.A., Milanese, C., Cavalloni, C., Sant'Antonio, E., Abbonante, V., **Moccia, F.**, Casetti, I.C., Bellini, M., Renna, M.C., Roncoroni, E., Fugazza, E., Astori, C., Boveri, E., Rosti, V., Barosi, G., Balduini, A., Cazzola, M. (2015). Differential clinical effects of different mutation subtypes in CALR-mutant myeloproliferative neoplasms. *Leukemia*, 30(2):431-438.

60. **Moccia, F.***, Guerra, G. (2015). Ca²⁺ signalling in endothelial progenitor Cells: Friend or foe? *Journal of Cellular Physiology*, 231(2):314-327. *Corresponding author.

61. Zuccolo, E., Bottino, C., Diofano, F., Poletto, V., Codazzi, A.C., Mannarino, S., Campanelli, R., Fois, G., Marseglia, G.L., Guerra, G., Montagna, D., Laforenza, U., Rosti, V., Massa, M., **Moccia, F.*** (2016). Constitutive store-operated ca²⁺ entry leads to enhanced nitric oxide production and proliferation in infantile hemangioma-derived endothelial colony-forming cells. *Stem Cells Development*, 25(4):301-319. *Corresponding author.

62. Poletto, V., Dragoni, S., Lim, D., Biggiogera, M., Aronica, A., Cinelli, M., De Luca, A., Rosti, V., Porta, C., Guerra, G., **Moccia F.*** (2016). Endoplasmic reticulum ca²⁺ handling and apoptotic resistance in tumor-derived endothelial colony forming cells. *Journal of Cellular Biochemistry*, doi: 10.1002/jcb.25524. *Corresponding author.

63. Lim, D., Bertoli, A., Sorgato, M.C., **Moccia, F.** (2016). Generation and usage of aequorin lentiviral vectors for Ca²⁺ measurement in sub-cellular compartments of hard-to-transfect cells. *Cell Calcium*, 59(5):228-39.

64. **Moccia, F.***, Zuccolo, E., Poletto, V., Turin, I., Guerra, G., Pedrazzoli, P., Rosti, V., Porta, C., Montagna, D. (2016). Targeting Stim and Orai proteins as an alternative approach in anticancer therapy. *Current Medicinal Chemistry*, accepted for publication. *Corresponding author.

ABSTRACT CON REFERAGGIO

1. Baruffi, S., Spaggiari, S., Balduini, A., **Moccia, F.**, Tanzi, F. (1998). Nucleotide modulation of cytosolic Ca^{2+} in endothelial cells of rat ventricle. *Pflügers Arch.*, 435, R25. 49th National Meeting of the Italian Society of Physiology, Pavia, Italy.
2. Macianskiene, R., **Moccia, F.**, Sipido, K., Mubagwa, K. (2001). Glybenclamide inhibits transient outward potassium current in mouse ventricular myocytes. *Pflügers Arch.*, 442, R43. Winter Meeting 2001 of the Belgian Society of Fundamental and Clinical Physiology and Pharmacology, Leuven, Belgio, 3 Marzo.
3. Berra-Romani, R., **Moccia, F.**, Taglietti, V., Tanzi, F. (2001). Na^+/Ca^{2+} exchanger in endothelial cells. *Pflügers Arch.*, 444, R29. 52th National Meeting of the Italian Society of Physiology, Ancona, Italy, 25-28 Settembre.
4. **Moccia, F.**, Berra-Romani, R., Signorelli, S., Tritto, S., Taglietti, V., Tanzi, F. (2001). EGF-induced $[Ca^{2+}]_i$ oscillations in rat cardiac microvascular endothelial cells. *Pflügers Arch.*, 444, R38. 52th National Meeting of the Italian Society of Physiology, Ancona, Italia, 25-28 Settembre.
5. **Moccia, F.**, Macianskiene, R., Antoons, G., Sipido, K., Mubagwa, K. (2002). Changes in $[Na^+]_i$ induced by ischemia-like conditions in mouse cardiac myocytes. *Biophysical Journal*, 82:662, pag. 97. 46th Annual Meeting of the Biophysical Society, San Francisco, USA, 23-27 Febbraio.
5. Macianskiene, R., **Moccia, F.**, Bito, V., Heinzl, F., Sipido, K., Mubagwa, K. (2002). On the nature of the channel carrying the "transient outward" current induced by extracellular calcium removal in cardiac myocytes. *Biophysical Journal*, 82:606a, pag. 472. 46th Annual Meeting of the Biophysical Society, San Francisco, USA, 23-27 Febbraio.
6. Dragoni S., Bonetti E., Laforenza U., Lodola F., Guerra G., Rosti V., Tanzi F., and **Moccia F.** (2011). VEGF induces human endothelial progenitor cells to proliferate by eliciting oscillations in intracellular Ca^{2+} concentration. *Angiogenesis*, 14, pag. 94, P-27. 4th International meeting on Angiogenesis, Amsterdam, Olanda, 2-4 Marzo.
7. Guerra, G., Dragoni, S., Laforenza, U., Rosti, V., Tanzi, F., **Moccia, F.** (2011). VEGF induces human endothelial progenitor cells proliferation by triggering oscillations in $[Ca^{2+}]_i$. *Italian Journal of Anatomy and Embryology*, 116(21), pag. 88. 34th Meeting of the Italian Society of Istochemistry, San Benedetto del Tronto (AP), Italian, 7-9 Giugno.
8. Guerra, G., Tanzi, F., Berra-Romani, R., Raqeeb, A., Torres-Jácome, J., **Moccia, F.** (2011). The mechanism of injury-induced $[Ca^{2+}]_i$ oscillations in the endothelium of excised rat aorta. *Italian Journal of Anatomy and Embryology*, 116(21), pag. 89. 65th Meeting of the Italian Society of Anatomy and Istology, Padova, Italia, 27-29 Settembre.
8. Di Buduo, C.A., **Moccia, F.**, Battiston, M., De Marco, L., Mazzucato, M., Tanzi, F., Balduini A. (2013). Purinergic signalling engage both intracellular Ca^{2+} mobilization and extracellular Ca^{2+} inflow to regulate human megakaryocyte motility and platelet production. *The Febs Journal*, 280 (Suppl 1), Pag. 190. 38th Congress of the Federation-of-European-Biochemical-Societies (FEBS) San Pietroburgo, Russia, 6-11 Luglio.
9. Di Buduo, C.A., **Moccia, F.**, Battiston, M., De Marco, L., Mazzucato, M., Cattaneo, M., Tanzi, F., Balduini, A. (2013). Purinergic signalling regulates human megakaryocytes function by inducing store-operated Ca^{2+} entry. *Journal of Thrombosis and Haemostasis*, 11 (Suppl 2) pagg.512-513. XXIV Congress of the International Society of Thrombosis and Haemostasis, Amsterdam, Olanda, 29 Giugno-4 Luglio,
10. Poletto, V., Lim, D., Dragoni, S., Aronica, A., Ganini, C., Bonetti, E., Tafuri, D., Paccone, M., Cinelli, M., Montagnani, S., Tanzi, F., Porta, C., **Moccia, F.**, Rosti, V., Guerra, G. (2013). Phenotypic and functional characterization of endothelial progenitor cells isolated from peripheral blood of renal cell carcinoma patients. *Italian Journal of Anatomy and Embryology*, 118(2), pag. 155. 67th Meeting of the Italian Society of Anatomy and Istology, Brescia, Italia, 20-22 Settembre.

11. Poletto, V., Canobbio, I., Pietra, D., Dragoni, S., Bonetti, E., Campanelli, R., Massa, M., Fois, G., Catarsi, P., Villani, L., Torti, M., Tanzi, F., Cazzola, M., **Moccia, F.**, Barosi, G., Rosti, V. (2014). Intracellular calcium deposits and store operated calcium entry in CD34⁺ cells from patients with myelofibrosis carrying a CALR mutation. *Haematologica*, 99 (Suppl 1), pag. 120. 19th Congress of the European-Hematology-Association, Milano, Italia, 12-15 Giugno.
12. Dragoni, S., Poletto, V., Ruffinatti, F.A., Barosi, G., Tanzi, F., Rosti, V., **Moccia, F.** (2014). VEGF-induced Ca²⁺ signals are deranged in endothelial progenitor cells from patients with myelofibrosis carrying JAK2 mutations. *Haematologica*, 99 (Suppl 1), pagg. 120-121. 19th Congress of the European-Hematology-Association, Milano, Italia, 12-15 Giugno.
13. Guerra, G., Dragoni, S., Poletto, V., Fiorio Pla, A., Cinelli, M., Tafuri, D., Laforenza, U., Munaron, L., Rosti, V., Montagnani, S., **Moccia, F.** (2014). Human endothelial progenitor cells express a functional TRPV4 channel. *Italian Journal of Anatomy and Embryology*, 119(1), pag. 101. 68th Meeting of the Italian Society of Anatomy and Istology, Ancona, Italia, 18-20, Settembre.
14. Poletto, V., Biggiogera, M., Bonetti, E., Della Porta, M., Porta, C., Cinelli, M., Montagnani, S., Tafuri, D., **Moccia, F.**, Rosti, V., Guerra, G. (2014). Ultrastructural and functional differences between normal and tumor endothelial progenitor cells. *Italian Journal of Anatomy and Embryology*, 119(1), pag. 154. 68th Meeting of the Italian Society of Anatomy and Istology, Ancona, Italia, 18-20, Settembre.
15. Tancredi, R., Fotia, V., Moccia, F., Rosti, V., Porta, C., Della Porta, M.G., Beltrame, L., Da Prada, G.A., Zambelli, A., Riccardi, A. (2014). 27P * Common gene signature expressed by breast and kidney cancers-derived endothelial colony forming cells. *Annals of Oncology*, 26, pag. iii11. IMPAKT Breast Cancer Conference, Bruxelles, Belgio, 7-9 Maggio.

Abstract presentati a Congressi Nazionali ed Internazionali

1. **Moccia F.** and Adams D. J. (1999). Nicotinic Ach receptor-mediated currents in rat microvascular endothelial cells. *67th Meeting of the Australian Physiological and Pharmacological Society*, Newcastle, Australia, 26-29 Settembre. Proceedings of the Australian Physiological and Pharmacological Society, 79P.
2. **Moccia F.**, Macianskiene R., Sipido K., and Mubagwa K. (2001). Changes in $[Na^+]_i$ induced by metabolic inhibition in mouse ventricular myocytes. *25th Meeting of the Working Group in Cardiac Cellular electrophysiology*, Dresden, Germany, 14-16 Settembre.
3. **Moccia F.**, Berra-Romani R., Baruffi S., Spaggiari S., Taglietti V., and Tanzi F. (2002). Evidence for the presence of the superficial buffer barrier in microvascular endothelial cells. *XII International Symposium on Calcium-Binding Proteins and Calcium Function in Health and Disease*, Cavalese (Tn), Italy, 29 Gennaio-3 Febbraio.
4. Santella L. and **Moccia F.** (2003). NAADP triggers the fertilization potential in starfish oocytes. *5th Gordon Research Conference on Calcium Signalling*, Mount Holyoke College, South Hadley, Massachusetts, USA, 6-11 Luglio.
5. Santella L. and **Moccia F.** (2004). NAADP and $InsP_3$ shape the intracellular Ca^{2+} wave at fertilization in starfish oocytes. *International Symposium on Calcium in Health and Disease*, Rovaniemi, Finland, 5-7 Luglio.
6. Moccia F. (2005). NAADP and $InsP_3$ shape the intracellular Ca^{2+} wave at fertilization in starfish oocytes. *8th Romanian Biophysics Conference*, Iasi, Romania, 26-28 Maggio.
7. **Moccia F.** and Santella L. (2005) NAADP triggers the Ca^{2+} wave at fertilization in starfish oocytes. *6th Gordon Research Conference on Calcium Signalling*, Oxford, UK, 24-29 Luglio.
8. Berra-Romani F., Raqeeb A., Laforenza U, Scattino M.F., **Moccia F.**, Oldani A., Milesi V., Taglietti V., and Tanzi F. (2007) Cardiac microvascular endothelial cells express a functional Ca^{2+} -sensing receptor. *14th Meeting of the Italian Society of Cardiovascular Research*, Imola, Italy, 27-29 Settembre.
9. Avelino-Cruz J. A., Sánchez-Hernández Y., Berra-Romani R., Raqeeb A., **Moccia F.**, Tanzi F. (2008) Connexin hemichannels-mediated Ca^{2+} entry results in NO production in *in situ* injured endothelial cells. *10th Symposium on Calcium-Binding Proteins in Normal and Transformed Cells*, Leuven, Belgium, 17-20 Settembre.
10. Sánchez-Hernández Y., Avelino-Cruz J. A., Bonetti E., Rosti V., **Moccia F.**, Tanzi F. (2008) Characterization of Ca^{2+} signals in endothelial progenitor cells from human peripheral blood and umbilical cord blood. *15th Meeting of the Italian Society of Cardiovascular Research*, Imola (Bo), Italy, 9-11 Ottobre.
11. Avelino-Cruz, J.E., Sanchez-Hernandez, Y., Moccia, F., Tanzi, F. (2008). Endothelial micro-lesions induce nitric oxide production in rat aorta endothelium: preponderant role of Gap junction hemichannels during Ca^{2+} influx. *15th Meeting of the Italian Society of Cardiovascular Research*, Bologna, Italy, 9-11 Ottobre.
12. Berra-Romani R., Avelino Cruz J.A., Sánchez-Hernández Y., **Moccia F.**, Tanzi F. (2009) Injury-induced intracellular Ca^{2+} oscillations in the endothelium of intact rat aorta. *16th Meeting of the Italian Society of Cardiovascular Research*, Imola (Bo), Italy, 29-31 Ottobre.
13. Pupo E., Cruz J.E., Sánchez-Hernández Y., Munaron L., Tanzi F., Fiorio-Pla A., **Moccia F.** (2009) Hydrogen sulphide (H_2S) induces intracellular Ca^{2+} signals in endothelial cells. *16th Meeting of the Italian Society of Cardiovascular Research*, Imola (Bo), Italy, 29-31 Ottobre.
14. Avelino Cruz J.E., Sánchez-Hernandez Y., Tanzi F., **Moccia F.** (2009) Connexin hemichannels-mediated Ca^{2+} entry results in nitric oxide synthesis in injured endothelium of rat aorta. *8th Gordon Conference on Calcium Signalling*, Il Ciocco (Lu), Italy, 21-26 Giugno.

15. **Moccia, F.**, Laforenza, U., Dragoni, S., Bertoni, G., Bonetti, E., Fontana, J., Rosti, V., Tanzi, F. (2010) VEGF-induced oscillations in $[Ca^{2+}]_i$ in human endothelial progenitor cells. *61th Meeting of the Italian Physiological Society*, Varese, Italy, 15-17 Settembre.
16. Tanzi, F., Montiel-Jean, M.G., Guzmán-Silva, A., Romero, Y., Rosales, N., Torres-Jácome, J., Hernández-García, V., **Moccia, F.**, Vázquez de Lara, L.G., Berra-Romani, R (2010). Lung surfactant increases cytosolic levels of calcium in normal human lung fibroblast. *61th Meeting of the Italian Physiological Society*, Varese, Italy, 15-17 Settembre.
17. **Moccia, F.**, Bertoni, G., Florio Pla, A., Dragoni, S., Pupo, E., Merlino, A., Mancardi, D., Munaron, L., Tanzi, F. (2010). The mechanism whereby hydrogen sulphide causes an increase in intracellular Ca^{2+} concentration in the intact endothelium from excised rat aorta. *17th Meeting of the Italian Society of Cardiovascular Research*, Imola (Bo), Italy, 7-9 Ottobre.
18. Moccia, F., Laforenza, U., Dragoni, S., Bonetti, E., Fontana, J., Bertoni, G., Testa, D., Guerra, G., Rosti, V., Tanzi, F. (2010). VEGF-induced oscillations in $[Ca^{2+}]_i$ in human endothelial progenitor cells. *17th Meeting of the Italian Society of Cardiovascular Research*, Imola (Bo), Italy, 7-9 Ottobre.
19. Guerra, G., Dragoni, S., Laforenza, G., Rosti, V., Tanzi, F., **Moccia, F.** (2011). VEGF induces human endothelial progenitor cells to proliferate by triggering oscillations in $[Ca^{2+}]_i$. *34th Meeting of the Italian Society of Histochemistry*, San Benedetto del Tronto (AP), Italy, 7-9 Giugno.
20. Lodola, F., Laforenza, U., Bonetti, E., Dragoni, S., Guerra, G., Rosti, V., Pedrazzoli, P., Tanzi, F., Porta, C., **Moccia, F.** (2011). Store-operated Ca^{2+} entry is over-expressed in endothelial colony forming cells isolated from tumoral patients; its role in cell proliferation and tubulogenesis. *18th Meeting of the Italian Society of Cardiovascular Research*, Imola (Bo), Italy, 21-22 Ottobre.
21. Dragoni, S., Laforenza, U., Bonetti, E., Lodola, F., Guerra, G., Rosti, V., Pedrazzoli, P., Tanzi, F., **Moccia, F.** (2011). Vascular endothelial growth factor stimulates endothelial colony forming cell proliferation and tubulogenesis by inducing oscillations in intracellular Ca^{2+} concentration. *18th Meeting of the Italian Society of Cardiovascular Research*, Imola (Bo), Italy, 21-22 Ottobre.
22. Guerra, G., Dragoni, S., Laforenza, U., Rosti, V., Tanzi, F., **Moccia, F.** (2011). VEGF induces human endothelial progenitor cells to proliferate by triggering oscillations in $[Ca^{2+}]_i$. *34th Meeting of the Italian Society of Istochemistry*, San Benedetto del Tronto (AP), 7-9 Giugno.
23. Dragoni, S., Bonetti, E., Laforenza, U., Lodola, F., Bottino, C., Rosti, V., Tanzi, F., **Moccia, F.** (2011). VEGF-induced Ca^{2+} oscillations in umbilical cord blood-derived endothelial colony forming cells. *Vascular & Smooth Muscle Physiology Themed Meeting*, Edinburgo, Scozia, 6-8 Dicembre.
24. Lodola, F., Bonetti, E., Laforenza, U., Dragoni, S., Guerra, G., Rosti, V., Pedrazzoli, P., Tanzi, F., Porta, C., **Moccia, F.** (2011) Store-operated Ca^{2+} entry is over-expressed in endothelial colony forming cells isolated from patients suffering of Renal Cellular Carcinoma. *Vascular & Smooth Muscle Physiology Themed Meeting*, Edinburgo, Scozia, 6-8 Dicembre.
25. Avanzato, D., Mancardi, D., **Moccia, F.**, Munaron, L. (2012). Specificity of calcium signaling induced by hydrogen sulfide in different endothelial cell types. *1st European Conference on the Biology of Hydrogen Sulfide*, Smolenice, Slovacchia, 15-18 Giugno.
26. Bottino, C., Rosti, V., Bonetti E., Della Porta M., Pedrazzoli, P., Porta C., Tanzi, F., **Moccia, F.**, Laforenza, U. (2012). Alterata espressione dei canali del Ca^{2+} in cellule progenitrici endoteliali di pazienti affetti da carcinoma cellulare renale, mielofibrosi idiopatica e tumore della mammella. *1st Forum New Roads in Cardiovascular Research*, Milano, Italia, 12 Novembre.

27. Dragoni, S., Laforenza, U., Bonetti, E., Rosti, V., Tanzi, F., **Moccia, F.** (2012). Canonical transient receptor potential channel 3 as a novel target for cell-based therapy in endothelial colony forming cells. *1st Forum New Roads in Cardiovascular Research*, Milano, Italia, 12 Novembre.
28. **Moccia, F.**, Lodola, F., Dragoni, S., Cattaneo, F., Tancredi, R., Bottino, C., Laforenza, U., Guerra, G., Zambelli, A., Rosti, V., Della Porta, M., Tanzi, F. (2013). Remodelling of the Ca²⁺ signalling machinery in endothelial progenitor cells isolated from breast cancer patients. *19th Meeting of the Italian Society of Cardiovascular Research*. Imola (Bo), Italia, 17-18 Ottobre.
29. Martelli, C., Diceglie, C., **Moccia, F.**, Rosti, V., Tamplenizza, M., Lenardi, D., Lucignani, G., Ottobrini, L. (2014). Non-invasive optical imaging procedures for the in vivo evaluation of cell populations and molecular processes. *2nd Forum New Roads in Cardiovascular Research*, Pisa, Italia, 13 Ottobre.
30. Poletto, V., Lim, D., Ganini, C., Porta, C., Guerra, G., Rosti, V., **Moccia, F.** (2014). The intracellular Ca²⁺ toolkit regulates VEGF-mediated gene expression in normal, but not tumoral, human circulating endothelial progenitor cells. *2nd Forum New Roads in Cardiovascular Research*, Pisa, Italia, 13 Ottobre.
31. Zuccolo, E., Guerra, G., D'Angelo, E., **Moccia, F.** (2015). Intracellular Ca²⁺ oscillations mediate acetylcholine-induced nitric oxide release in mouse brain endothelial cells. *Proceedings of the 66th Meeting of the Italian Society of Physiology*, Genova, Italia, 16-18 Settembre.
32. Mapelli, L., Soda, T., Gagliano, G., Moccia, F., D'Angelo, E. (2015). Neurovascular coupling at the cerebellar granula layer. *Proceedings of the 66th Meeting of the Italian Society of Physiology*, Genova, Italia, 16-18 Settembre.