

LUCA MUNARON**PUBLICATIONS****Full papers on ISI Journals**

1. Visentin L, Scarpellino G, Chinigò G, **Munaron L** and Ruffinatti FA. BioTEA: Containerized Methods of Analysis for Microarray-Based Transcriptomics Data. *Biology* 2022, 11(9), 1346; doi:10.3390/biology11091346.
2. Lastraioli E, Ruffinatti FA, Bagni G, Visentin L, di Costanzo F, **Munaron L**, Arcangeli A. The Transcriptional Landscape of BRAF Wild Type Metastatic Melanoma: A Pilot Study. *Int J Mol Sci.* 2022 Jun 21;23(13):6898. doi: 10.3390/ijms23136898.
3. Petrillo S, Genova T, Chinigò G, Roato I, Scarpellino G, Kopecka J, Altruda F, Tolosano E, Riganti C, Mussano F, **Munaron L**. Endothelial Cells Promote Osteogenesis by Establishing a Functional and Metabolic Coupling With Human Mesenchymal Stem Cells. *Front Physiol.* 2022 Jan 11;12:813547. doi: 10.3389/fphys.2021.813547.
4. Scarpellino G, Genova T, Quarta E, Distasi C, Dionisi M, Fiorio Pla A, **Munaron L***. P2X purinergic receptors are multisensory detectors for micro-environmental stimuli that control migration of tumoral endothelium. *Cancers (Basel).* 2022 May 31;14(11):2743. doi: 10.3390/cancers14112743.
5. Scarpellino G, **Munaron L**, Cantelmo AR, Fiorio Pla A. Calcium-Permeable Channels in Tumor Vascularization: Peculiar Sensors of Microenvironmental Chemical and Physical Cues. *Rev Physiol Biochem Pharmacol.* 2022;182:111-137. doi: 10.1007/112_2020_32.
6. Petrillo S, De Giorgio F, Kopecka J, Genova T, Fiorito V, Allocco AL, Bertino F, Chiabrando D, Mussano F, Altruda F, **Munaron L**, Riganti C, Tolosano E. Endothelial Heme Dynamics Drive Cancer Cell Metabolism by Shaping the Tumor Microenvironment. *Biomedicines.* 2021 Oct 28;9(11):1557. doi: 10.3390/biomedicines9111557.
7. Roato I, Chinigò G, Genova T, **Munaron L**, Mussano F. Oral Cavity as a Source of Mesenchymal Stem Cells Useful for Regenerative Medicine in Dentistry. *Biomedicines.* 2021 Aug 25;9(9):1085. doi: 10.3390/biomedicines9091085.
8. Mannino G, Iovino P, Lauria A, Genova T, Asteggiano A, Notarbartolo M, Porcu A, Serio G, Chinigò G, Occhipinti A, Capuzzo A, Medana C, **Munaron L** and Gentile C. Bioactive Triterpenes of Protium heptaphyllum Gum Resin Extract Display Cholesterol-Lowering Potential. *Int. J. Mol. Sci.* 2021, 22, 2664. doi.org/10.3390/ijms22052664.
9. Mannino G, Chinigò G, Serio G, Genova T, Gentile C, **Munaron L**, Berteau CM. Proanthocyanidins and Where to Find Them: A Meta-Analytic Approach to Investigate Their Chemistry, Biosynthesis, Distribution, and Effect on Human Health. *Antioxidants (Basel).* 2021 Jul 30;10(8):1229. doi: 10.3390/antiox10081229.
10. Petrillo S, Cantelmo AR, Genova T, **Munaron L**. Editorial: Mechanisms of Vessel Development: From a Primitive Draft to a Mature Vasculature. *Front Physiol.* 2021 Jul 16;12:725531. doi: 10.3389/fphys.2021.725531. eCollection 2021.
11. Lionetti V, Bollini S, Coppini R, Gerbino A, Ghigo A, Iaccarino G, Madonna R, Mangiacapra F, Miragoli M, Moccia F, **Munaron L**, Pagliaro P, Parenti A, Pasqua T, Penna C, Quaini F, Rocca C, Samaja M, Sartiani L, Soda T, Tocchetti CG, Angelone T. Understanding the Heart-Brain Axis Response in COVID-19 patients: a Suggestive Perspective for Therapeutic Development. *Pharmacol Res* 2021 Mar 26;105581. doi: 10.1016/j.phrs.2021.105581.

12. Genova T, Cavagnetto D, Tasinato F, Petrillo S, Ruffinatti FA, Mela L, Carossa M, **Munaron L**, Roato I and Mussano F. Isolation and Characterization of Buccal Fat Pad and Dental Pulp MSCs from the Same Donor. *Biomedicines* 2021, 9(3), 265; doi.org/10.3390/biomedicines9030265.
13. Lastraioli E, Ruffinatti FA, Di Costanzo F, Sala C, **Munaron L**, Arcangeli A. A Transcriptomic Approach Reveals Selective Ribosomal Remodelling in the Tumour Versus the Stromal Compartment of Metastatic Colorectal Cancer. *Cancers (Basel)*. 2021 Aug 20;13(16):4188. doi: 10.3390/cancers13164188.
14. Ruffinatti FA, Genova T, Mussano F, **Munaron L**.* MORPHEUS: An automated tool for unbiased and reproducible cell morphometry. *J Cell Physiol*. 2020 Dec;235(12):10110-10115. doi: 10.1002/jcp.29768.
15. Genova T, Gaglioti D, **Munaron L**. Regulation of Vessel Permeability by TRP Channels. *Front Physiol*. 2020 May 5; 11:421. doi: 10.3389/fphys.2020.00421. eCollection 2020.
16. Moccia F, Gerbino A, Lionetti V, Miragoli M, **Munaron LM**, Pagliaro P, Pasqua T, Penna C, Rocca C, Samaja M, Angelone T. COVID-19-associated cardiovascular morbidity in older adults: a position paper from the Italian Society of Cardiovascular Research. *Geroscience*. 2020 May 20. doi: 10.1007/s11357-020-00198-w.
17. Bassino E, Gasparri F, **Munaron L**. Protective Role of Nutritional Plants Containing Flavonoids in Hair Follicle Disruption: A Review. *Int J Mol Sci*. 2020 Jan 14;21(2). pii: E523. doi: 10.3390/ijms21020523. Review.
18. Mussano F, Genova T, Laurenti M, Gaglioti D, Scarpellino G, Rivolo P, Faga MG, Fiorio Pla A, **Munaron L**, Mandracci P, Carossa S. Beta1-integrin and TRPV4 are involved in osteoblast adhesion to different titanium surface topographies. *Appl Surf Sci*. 2020; 507: 145112. doi: 10.1016/j.apsusc.2019.145112.
19. Brossa A, Buono L, Fallo S, Fiorio Pla A, **Munaron L**, Bussolati B. Alternative Strategies to Inhibit Tumor Vascularization. *Int J Mol Sci*. 2019 Dec 7;20(24). pii: E6180. doi: 10.3390/ijms20246180. Review.
20. Genova T, Petrillo S, Zicola E, Roato I, Ferracini R, Tolosano E, Altruda F, Carossa S, Mussano F, **Munaron L**. The Crosstalk Between Osteodifferentiating Stem Cells and Endothelial Cells Promotes Angiogenesis and Bone Formation. *Front Physiol*. 2019 Oct 14;10:1291. doi: 10.3389/fphys.2019.01291. eCollection 2019.
21. Bernardini M, Brossa A, Chinigo G, Grolez GP, Trimaglio G, Allart L, Hulot A, Marot G, Genova T, Joshi A, Mattot V, Fromont G, **Munaron L**, Bussolati B, Prevarskaya N, Fiorio Pla A, Gkika D. Transient Receptor Potential Channel Expression Signatures in Tumor-Derived Endothelial Cells: Functional Roles in Prostate Cancer Angiogenesis. *Cancers (Basel)*. 2019 Jul 8;11(7). pii: E956. doi: 10.3390/cancers11070956.
22. Scarpellino G, Genova T, Avanzato D, Bernardini M, Bianco S, Petrillo S, Tolosano E, de Almeida Vieira JR, Bussolati B, Fiorio Pla A, **Munaron L***. Purinergic Calcium Signals in Tumor-Derived Endothelium. *Cancers (Basel)*. 2019 Jun 1;11(6). pii: E766. doi: 10.3390/cancers11060766.
23. Bassino E, Gasparri F, **Munaron L**. Natural dietary antioxidants containing flavonoids modulate keratinocytes physiology: In vitro tri-culture models. *J Ethnopharmacol*. 2019 Mar 30; 238:111844.
24. Distasi C, Dionisi M, Ruffinatti FA, Gilardino A, Bardini R, Antoniotti S, Catalano F, Bassino E, **Munaron L**, Martra G & Lovisolo D. The interaction of SiO₂ nanoparticles with the neuronal cell membrane: activation of ionic channels and calcium influx. *Nanomedicine*. 2019 Mar;14(5):575-594.

25. Scarpellino G, Genova T, **Munaron L***. Purinergic P2X7 Receptor: A Cation Channel Sensitive to Tumor Microenvironment. *Recent Pat Anticancer Drug Discov.* 2019;14(1):32-38.
26. Bassino E, Gasparri F, **Munaron L**. *Serenoa repens* and N-acetyl glucosamine/milk proteins complex differentially affect the paracrine communication between endothelial and follicle dermal papilla cells. *J Cell Physiol.* 2019 May;234(5):7320-7329.
27. Luganini A, Di Nardo G, **Munaron L**, Gilardi G, Fiorio Pla A, Gribaudo G. Human cytomegalovirus US21 protein is a viroporin that modulates calcium homeostasis and protects cells against apoptosis. *Proc Natl Acad Sci U S A.* 2018 Dec 26;115(52): E12370-E12377.
28. Petrillo S, Tolosano E, **Munaron L**, Genova T. Targeting Metabolism to Counteract Tumor Angiogenesis: A Review of Patent Literature. *Recent Pat Anticancer Drug Discov.* 2018;13(4):422-427.
29. Mussano F, Genova T, Laurenti M, Zicola E, **Munaron L**, Rivolo P, Mandracci P, Carossa S. Early Response of Fibroblasts and Epithelial Cells to Pink-Shaded Anodized Dental Implant Abutments: An In Vitro Study. *Int J Oral Maxillofac Implants.* 2018 May/Jun;33(3):571-579.
30. Mussano F, Genova T, Petrillo S, Roato I, Ferracini R, **Munaron L**. Osteogenic Differentiation Modulates the Cytokine, Chemokine, and Growth Factor Profile of ASCs and SHED. *Int J Mol Sci.* 2018 May 14;19(5).
31. Distasi C, Ruffinatti FA, Dionisi M, Antoniotti S, Gilardino A, Croci G, Riva B, Bassino E, Alberto G, Castroflorio E, Incarnato D, Morandi E, Martra G, Oliviero S, **Munaron L**, Lovisolo D. SiO₂ nanoparticles modulate the electrical activity of neuroendocrine cells without exerting genomic effects. *Sci Rep.* 2018 Feb 9;8(1):2760.
32. Bassino E, Gasparri F, **Munaron L***. Pleiotropic effects of white willow bark and 1,2 decanediol on human adult keratinocytes. *Skin Pharmacol Physiol.* 2018 Nov 8;31(1):10-18.
33. Mussano F, Genova T, Laurenti M, **Munaron L**, Pirri CF, Rivolo P, Carossa S, Mandracci P. Hydrogenated amorphous silicon coatings may modulate gingival cell response. *Appl Surf Sci* 2018; 436:603-612.
34. Mussano F, Genova T, Serra FG, Carossa M, **Munaron L**, Carossa S. Nano-Pore Size of Alumina Affects Osteoblastic Response. *Int J Mol Sci.* 2018 Feb 9;19(2).
35. Petrillo S, Chiabrando D, Genova T, Fiorito V, Ingoglia G, Vinchi F, Mussano F, Carossa S, Silengo L, Altruda F, Merlo GR, **Munaron L**, Tolosano E. Heme Accumulation in Endothelial Cells Impairs Angiogenesis by Triggering Paraptosis. *Cell Death Differ.* 2018; 25:573–588.
36. Bianco S, Mancardi D, Merlino A, Bussolati B, **Munaron L***. Hypoxia and hydrogen sulfide differentially affect normal and tumor-derived vascular endothelium. *Redox Biol.* 2017; 12:499-504.
37. Genova T, Grolez GP, Camillo C, Bernardini M, Bokhobza A, Richard E, Scianna M, Lemonnier L, Valdembrì D, **Munaron L**, Philips MR, Mattot V, Serini G, Prevarskaya N, Gkika D, Fiorio Pla A. TRPM8 inhibits endothelial cell migration via a non-channel function by trapping the small GTPase Rap1. *J Cell Biol.* 2017 Jul 3;216(7):2107-2130.
38. Mussano F, Genova T, Falzacappa E Verga, Scopece P, **Munaron L**, Rivolo P, Mandracci P, Benedetti A, Carossa S, Patelli, A. In vitro characterization of two different atmospheric plasma jet chemical functionalizations of titanium surfaces. *Appl Surf Sci.* 2017; 409:314-324.
39. Scianna M, Bassino E, **Munaron L***. An Innovative Assay for the Analysis of In Vitro Endothelial Remodeling: Experimental and Computational Evidence. *J Cell Physiol.* 2017 Feb;232(2):243-248.

40. Mussano F, Genova T, Rivolo P, Mandracci P, **Munaron L**, Faga MG, Carossa S. Role of Surface Finishing on the in vitro Biological Properties of a Silicon Nitride-Titanium Nitride (Si₃N₄-TiN) Composite. *J Mater Sci* 2017; 52:467–77.
41. Bassino E, Vallariello E, Gasparri F, **Munaron L***. Dermal-epidermal cross-talk: differential interactions with microvascular endothelial cells. *J Cell Physiol*. 2017 May;232(5):897-903.
42. Scianna M, **Munaron L***. Computational approaches for translational oncology: concepts and patents. *Recent Pat Anticancer Drug Discov*. 2016;11(4):384-392.
43. Avanzato D, Genova T, Fiorio Pla A, Bernardini M, Bianco S, Bussolati B, Mancardi D, Giraud E, Maione F, Cassoni P, Castellano I, **Munaron L***. Activation of P2X7 and P2Y11 purinergic receptors inhibits migration and normalizes tumor-derived endothelial cells via cAMP signaling. *Sci Rep*. 2016 Sep 2; 6:32602.
44. Mussano F, Genova T, **Munaron L**, Petrillo S, Erovigni F, Carossa S. Cytokine, chemokine, and growth factor profile of platelet-rich plasma. *Platelets*. 2016 Jul;27(5):467-71.
45. Bassino E, Antoniotti S, Gasparri F, **Munaron L***. Effects of flavonoid derivatives on human microvascular endothelial cells. *Nat Prod Res*. 2016 Mar 2:1-4.
46. Bassino E, Zanardi A, Gasparri F, **Munaron L***. Effects of the biomimetic peptide Sh-Polypeptide 9 (CG-VEGF) on cocultures of human hair follicle dermal papilla cells and microvascular endothelial cells. *Exp Dermatol*. 2016 Mar;25(3):237-9.
47. Genova T, **Munaron L**, Carossa S, Mussano F. Overcoming physical constraints in bone engineering: 'the importance of being vascularized'. *J Biomater Appl*. 2016 Feb;30(7):940-51.
48. Scianna M, Bassino E, **Munaron L***. A cellular Potts model analyzing differentiated cell behavior during in vivo vascularization of a hypoxic tissue. *Comput Biol Med*. 2015 Aug; 63:143-56.
49. Bassino E, Gasparri F, Giannini V, **Munaron L***. Paracrine crosstalk between human hair follicle dermal papilla cells and microvascular endothelial cells. *Exp Dermatol*. 2015 May;24(5):388-90.
50. **Munaron L***. Systems biology of ion channels and transporters in tumor angiogenesis: An omics view. *Biochim Biophys Acta*. 2015 Oct;1848(10 Pt B):2647-56.
51. Avanzato D, Merlino A, Porrera S, Wang R, **Munaron L***, Mancardi D. Role of calcium channels in the protective effect of hydrogen sulfide in rat cardiomyoblasts. *Cell Physiol Biochem*. 2014;33(4):1205-14.
52. Fiorio Pla A, **Munaron L**. Functional properties of ion channels and transporters in tumour vascularization. *Philos Trans R Soc Lond B Biol Sci*. 2014 Feb 3;369(1638):20130103.
53. Moccia F, Tanzi F, **Munaron L**. Endothelial remodelling and intracellular calcium machinery. *Curr Mol Med*. 2014 May;14(4):457-80.
54. Becchetti A, **Munaron L**, Arcangeli A. The role of ion channels and transporters in cell proliferation and cancer. *Front Physiol*. 2013 Oct 29; 4:312.
55. **Munaron L***. Editorial: Intracellular calcium signaling: holding the balance between health and disease. *Curr Med Chem*. 2012;19(34):5765-7.
56. **Munaron L***, Scianna M. Multilevel complexity of calcium signaling: Modeling angiogenesis. *World J Biol Chem*. 2012 Jun 26;3(6):121-6.
57. **Munaron L***, Avanzato D, Moccia F, Mancardi D. Hydrogen sulfide as a regulator of calcium channels. *Cell Calcium*. 2013 Feb;53(2):77-84.
58. **Munaron L***, Arcangeli A. Editorial: ion fluxes and cancer. *Recent Pat Anticancer Drug Discov*. 2013 Jan 1;8(1):1-3.
59. **Munaron L***, Genova T, Avanzato D, Antoniotti S, Fiorio Pla A. Targeting calcium channels to block tumor vascularization. *Recent Pat Anticancer Drug Discov*. 2013 Jan 1;8(1):27-37.

60. Pupo E, Pla AF, Avanzato D, Moccia F, Cruz JE, Tanzi F, Merlino A, Mancardi D, **Munaron L***. Hydrogen sulfide promotes calcium signals and migration in tumor-derived endothelial cells. *Free Radic Biol Med*. 2011 Nov 1;51(9):1765-73.
61. Fiorio Pla A, Avanzato D, **Munaron L**, Ambudkar IS. Ion channels and transporters in cancer. 6. Vascularizing the tumor: TRP channels as molecular targets. *Am J Physiol Cell Physiol*. 2012 Jan 1;302(1):C9-15.
62. Fiorio Pla A, Ong HL, Cheng KT, Brossa A, Bussolati B, Lockwich T, Paria B, **Munaron L**, Ambudkar IS. TRPV4 mediates tumor-derived endothelial cell migration via arachidonic acid-activated actin remodeling. *Oncogene*. 2012 Jan 12;31(2):200-12.
63. **Munaron L***. Shuffling the cards in signal transduction: Calcium, arachidonic acid and mechanosensitivity. *World J Biol Chem*. 2011 Apr 26;2(4):59-66.
64. Moccia F, Bertoni G, Pla AF, Dragoni S, Pupo E, Merlino A, Mancardi D, **Munaron L**, Tanzi F. Hydrogen sulfide regulates intracellular Ca²⁺ concentration in endothelial cells from excised rat aorta. *Curr Pharm Biotechnol*. 2011 Sep;12(9):1416-26.
65. Scianna M, **Munaron L**, Preziosi L. A multiscale hybrid approach for vasculogenesis and related potential blocking therapies. *Prog Biophys Mol Biol*. 2011 Aug;106(2):450-62.
66. Mancardi D, Pla AF, Moccia F, Tanzi F, **Munaron L**. Old and new gasotransmitters in the cardiovascular system: focus on the role of nitric oxide and hydrogen sulfide in endothelial cells and cardiomyocytes. *Curr Pharm Biotechnol*. 2011 Sep;12(9):1406-15.
67. Fiorio Pla A, Genova T, Pupo E, Tomatis C, Genazzani A, Zaninetti R, **Munaron L***. Multiple roles of protein kinase a in arachidonic acid-mediated Ca²⁺ entry and tumor-derived human endothelial cell migration. *Mol Cancer Res*. 2010 Nov;8(11):1466-76.
68. **Munaron L***, Fiorio Pla A. Endothelial calcium machinery and angiogenesis: understanding physiology to interfere with pathology. *Curr Med Chem*. 2009;16(35):4691-703.
69. Antoniotti S, Fattori P, Tomatis C, Pessione E, **Munaron L***. Arachidonic acid and calcium signals in human breast tumor-derived endothelial cells: a proteomic study. *J Recept Signal Transduct Res*. 2009;29(5):257-65.
70. Bussolati B, Ribatti D, **Munaron L**, Bartorelli A, Bussolati G. Anti-angiogenic properties of calcium trifluoroacetate. *Microvasc Res*. 2009 Dec;78(3):272-7.
71. Aina V, Malavasi G, Fiorio Pla A, **Munaron L**, Morterra C. Zinc-containing bioactive glasses: surface reactivity and behaviour towards endothelial cells. *Acta Biomater*. 2009 May;5(4):1211-22.
72. **Munaron L***, Tomatis C, Fiorio Pla A. The secret marriage between calcium and tumor angiogenesis. *Technol Cancer Res Treat*. 2008 Aug;7(4):335-9.
73. Fiorio Pla A, Grange C, Antoniotti S, Tomatis C, Merlino A, Bussolati B, **Munaron L***. Arachidonic acid-induced Ca²⁺ entry is involved in early steps of tumor angiogenesis. *Mol Cancer Res*. 2008 Apr;6(4):535-45.
74. **Munaron L***. Intracellular calcium, endothelial cells and angiogenesis. *Recent Pat Anticancer Drug Discov*. 2006 Jan;1(1):105-19.
75. Tomatis C, Fiorio Pla A, **Munaron L***. Cytosolic calcium microdomains by arachidonic acid and nitric oxide in endothelial cells. *Cell Calcium*. 2007 Mar;41(3):261-9.
76. Antoniotti S, Fiorio Pla A, Barral S, Scalabrino O, **Munaron L**, Lovisolo D. Interaction between TRPC channel subunits in endothelial cells. *J Recept Signal Transduct Res*. 2006;26(4):225-40.
77. Cassoni P, Marrocco T, Bussolati B, Allia E, **Munaron L**, Sapino A, Bussolati G. Oxytocin induces proliferation and migration in immortalized human dermal microvascular endothelial cells and human breast tumor-derived endothelial cells. *Mol Cancer Res*. 2006 Jun;4(6):351-9.

78. Erriquez J, Gilardino A, Ariano P, **Munaron L**, Lovisolo D, Distasi C. Calcium signals activated by arachidonic acid in embryonic chick ciliary ganglion neurons. *Neurosignals*. 2005;14(5):244-54.
79. Mottola A, Antoniotti S, Lovisolo D, **Munaron L***. Regulation of noncapacitative calcium entry by arachidonic acid and nitric oxide in endothelial cells. *FASEB J*. 2005 Dec;19(14):2075-7.
80. **Munaron L***, Antoniotti S, Lovisolo D. Intracellular calcium signals and control of cell proliferation: how many mechanisms? *J Cell Mol Med*. 2004 Apr-Jun;8(2):161-8.
81. **Munaron L***, Antoniotti S, Fiorio Pla A, Lovisolo D. Blocking Ca²⁺-entry: a way to control cell proliferation. *Curr Med Chem*. 2004 Jun;11(12):1533-43.
82. Antoniotti S, Fiorio Pla A, Pregnolato S, Mottola A, Lovisolo D, **Munaron L***. Control of endothelial cell proliferation by calcium influx and arachidonic acid metabolism: a pharmacological approach. *J Cell Physiol*. 2003 Dec;197(3):370-8.
83. **Munaron L***. Calcium signalling and control of cell proliferation by tyrosine kinase receptors (review). *Int J Mol Med*. 2002 Dec;10(6):671-6.
84. Cassoni P, Sapino A, Deaglio S, Bussolati B, Volante M, **Munaron L**, Albini A, Torrisi A, Bussolati G. Oxytocin is a growth factor for Kaposi's sarcoma cells: evidence of endocrine-immunological cross-talk. *Cancer Res*. 2002 Apr 15;62(8):2406-13.
85. Antoniotti S, Lovisolo D, Fiorio Pla A, **Munaron L***. Expression and functional role of bTRPC1 channels in native endothelial cells. *FEBS Lett*. 2002 Jan 16;510(3):189-95.
86. Fiorio Pla A, **Munaron L***. Calcium influx, arachidonic acid, and control of endothelial cell proliferation. *Cell Calcium*. 2001 Oct;30(4):235-44.
87. Cassoni P, Sapino A, **Munaron L**, Deaglio S, Chini B, Graziani A, Ahmed A, Bussolati G. Activation of functional oxytocin receptors stimulates cell proliferation in human trophoblast and choriocarcinoma cell lines. *Endocrinology*. 2001 Mar;142(3):1130-6.
88. **Munaron L***, Fiorio Pla A. Calcium influx induced by activation of tyrosine kinase receptors in cultured bovine aortic endothelial cells. *J Cell Physiol*. 2000 Dec;185(3):454-63.
89. Distasi C, Torre M, Antoniotti S, **Munaron L**, Lovisolo D. Neuronal survival and calcium influx induced by basic fibroblast growth factor in chick ciliary ganglion neurons. *Eur J Neurosci*. 1998 Jul;10(7):2276-86.
90. **Munaron L***, Antoniotti S, Distasi C, Lovisolo D. Arachidonic acid mediates calcium influx induced by basic fibroblast growth factor in Balb-c 3T3 fibroblasts. *Cell Calcium*. 1997 Sep;22(3):179-88.
91. Cassoni P, Sapino A, Fortunati N, **Munaron L**, Chini B, Bussolati G. Oxytocin inhibits the proliferation of MDA-MB231 human breast-cancer cells via cyclic adenosine monophosphate and protein kinase A. *Int J Cancer*. 1997 Jul 17;72(2):340-4.
92. Lovisolo D, Distasi C, Antoniotti S, **Munaron L***. Mitogens and calcium channels *News Physiol Sci*. 1997 Dec;12(6):279-285
93. Barbiero G, **Munaron L**, Antoniotti S, Baccino FM, Bonelli G, Lovisolo D. Role of mitogen-induced calcium influx in the control of the cell cycle in Balb-c 3T3 fibroblasts. *Cell Calcium*. 1995 Dec;18(6):542-56.
94. **Munaron L**, Distasi C, Carabelli V, Baccino FM, Bonelli G, Lovisolo D. Sustained calcium influx activated by basic fibroblast growth factor in Balb-c 3T3 fibroblasts. *J Physiol*. 1995 May 1;484 (3):557-66.
95. Distasi C, **Munaron L**, Laezza F, Lovisolo D. Basic fibroblast growth factor opens calcium-permeable channels in quail mesencephalic neural crest neurons. *Eur J Neurosci*. 1995 Mar 1;7(3):516-20.

96. Lovisolo D, **Munaron L**, Baccino FM, Bonelli G. Potassium and calcium currents activated by foetal calf serum in Balb-c 3T3 fibroblasts. *Biochim Biophys Acta*. 1992 Dec 9;1112(2):241-5.
97. Lovisolo D, Bonelli G, Baccino FM, Peres A, Alonzo F, **Munaron L**. Two currents activated by epidermal growth factor in EGFR-T17 fibroblasts. *Biochim Biophys Acta*. 1992 Feb 17;1104(1):73-82.
98. Gandino L, **Munaron L**, Naldini L, Ferracini R, Magni M, Comoglio PM. Intracellular calcium regulates the tyrosine kinase receptor encoded by the MET oncogene. *J Biol Chem*. 1991 Aug 25;266(24):16098-104.

Articles in books

1. Mussano F, Genova T, **Munaron L**, Faga MG, Carossa S. Ceramic Biomaterials for Dental Implants: Current Use and Future Perspectives. In *Dental implantology and Biomaterial*. Chapter 4, 63-90, Intech 2016.
2. **Munaron L***. 'Calcium signaling and angiogenesis' in *Topics in Anti-Cancer Research*, Bentham Science Publ. Vol 3, 179-201, 2014.
3. **Munaron L***. 'Calcium Signals in Endothelium and their Role in the Control of Angiogenesis' in *Frontiers in Anti-Cancer Drug Discovery*, Bentham Science Publ. Vol 1 194-218, 2010.
4. **Munaron L***. 'Arachidonic Acid and Store-Independent Calcium Entry', in *Calcium Signaling: Regulation, Mechanisms, Effectors, Role in Disease and Recent Advances*, Ed. Simpson, A., The Biomedical & Life Sciences Collection, Henry Stewart Talks Ltd, London (online at <http://www.hstalks.com/bio>), 2007.
5. **Munaron L***, Antoniotti S., Fiorio Pla A., Lovisolo D. 'Potentiality and Limitations of a Strategy for the Control of Cell Proliferation: The Block of Ca²⁺ Entry', in *Frontiers in Medicinal Chemistry*, Bentham Science Publ, 3, 417-433, 2006.
6. **Munaron L***. 'Calcium and angiogenesis' in *New angiogenesis research*, ed. Zubar RV, NOVA Publishers, 131-156, 2005.
7. Lovisolo D., Antoniotti S., Distasi C., Fiorio Pla A., Gilardino A. & **Munaron L**. 'Growth factors and calcium fluxes', in *Recent research developments in biophysical chemistry*, Ed. Condat & Baruzzi, Research SignPost, 57-68, 2002.
8. **Munaron L*** & Fiorio Pla A. 'Non capacitative calcium signals activated by arachidonic acid in non excitable cells', in *Calcium signaling*, Ed. Morad & Kostyuk, IOS Press, 265-268, 2001.

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DISSEMINATION ACTIVITY

Books in Italian

Fisiologia Evolutiva. Riflessioni su stabilità e modificazione nei viventi, Franco Angeli Editore, 2019.
Fisiologia della Cellula (with Davide Lovisolo), Bollati Boringhieri, 2003.
Dizionario di Biologia (Multiple authors, curated by Aldo Fasolo), UTET, 2003.

Book reviews on 'L'Indice dei libri del mese' (Italian)

1. Una pulsione condivisa da tutti i viventi. 2022
2. Vent'anni senza Gould. 2022

3. Quali sono i confini della biologia. 2022
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9. Un incontro mai avvenuto. 2019
10. Mio caro Neandertal. 2018
11. Il grande balzo in avanti. 2017
12. Tra Ippocrate e Galeno. 2017
13. Caprelli e lupocani come modelli matematici. 2016
14. Cinque anni sul Beagle. 2006
15. L'impero della vita. 2005
16. Modifiche nel sistema operativo. 2004
17. I casi della vita. 2004
18. Discipline anfibie. 2004
19. Perché ricordare Darwin. 2004
20. Morale darwiniana. 2003
21. Tempeste biogenetiche. 2002
22. Fisiologia ottocentesca. 2001

Lectures of general interest

1. *Da Elephant man all'orco Shrek. Luca Munaron presenta Riflessioni sull'evoluzione degli esseri viventi.* Parole in tazza grande (streaming), Biblioteca Archimede di Settimo Torinese, 2020.
2. *Vasculature, angiogenesis and skin diseases.* Emotion, Erasmus Mundus Master, UniUpo, 2019.
3. *I Big Data E La Crisi Della Riproducibilità.* Biologia e ricadute applicative. Accademia delle Scienze di Torino 2019 (speaker). *Calcium day 2018. Novara, 2 luglio 2018 (Organizing Committee).*
4. *Nanomateriali e biotecnologie mediche. Le frontiere della biologia: una proposta formativa per gli insegnanti delle scuole superiori di secondo grado.* Torino 2018 (speaker).
5. *Il puzzle della vascolarizzazione nei tumori e la crisi della medicina classica.* Il edizione Torino Incontra, Biblioteca Calvino 2016 (speaker).
6. *I tortuosi sentieri verso l'illuminazione: l'evoluzione della visione e altre storie.* 3° Ciclo di conferenze di Biologia Marina, Associazione Bio.Ma, Torino 2005 (speaker).
7. *Il mare: la culla dell'evoluzione dei viventi.* 2° Ciclo di conferenze di Biologia Marina, Associazione Bio.Ma, Torino 2004 (speaker).
8. *Evoluzione 2004: la teoria, la ricerca, la didattica,* Torino (Director).
9. *L'eredità di Charles Darwin: tra ortodossia e pluralismo.* Workshop 'Evoluzione 2004: la teoria, la ricerca e la didattica', 2004 (Organizzatore e responsabile scientifico del Workshop) (speaker).
10. *Verso un Darwinismo pluralista.* Workshop 'Vincoli ambientali all'evoluzione ecologica ed economica'. Iris. Torino 2003 (speaker)

Torino, May 2022

A handwritten signature in black ink, appearing to read 'Luca Munaron'. The signature is fluid and cursive, with the first name 'Luca' written in a larger, more prominent script than the last name 'Munaron'.