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LUCA MUNARON - CURRICULUM VITAE

PERSONAL DATA

Date and Place of Birth: July 13, 1966, Torino (Italy).
Nationality and status: Italian citizen, married, one daughter

CURRENT POSITION

Full Professor of Physiology, Department of Life Sciences and Systems Biology, University of Torino, ITA

Head, Laboratory of Cellular and Molecular Angiogenesis

EDUCATION

1994. Ph.D. in Physiological Sciences (University of Milano, Italy).
1990. Degree in Biological Sciences, 110/110 *cum laude et mentione* (University of Torino).

PROFESSIONAL EXPERIENCES

2018-present Full Professor of Physiology (University of Torino).
2004-2018 Associate Professor of Physiology (University of Torino).
1996-2004 Assistant Professor of Physiology (University of Torino).
1994-1995 Fellowship for the Italian Association for Cancer Research (AIRC).

TEACHING

Courses:

Cellular Physiology and Biophysics for the master degree course of Cellular and Molecular Biology (CMB, Univ of Torino)
Evolutionary Physiology for the master degree course of Evolution of Animal and Human Behavior (ECAU, Univ of Torino)
Physiology for Sport Science (SUISM, Univ of Torino)

History of evolutionary theory (Astronave Terra) for Scuola di Studi Superiori Ferdinando Rossi (SSST, Univ of Torino)

Cellular and Molecular Biophysics for the master degree course of Industrial Biotechnology (Univ of Torino)

History and Philosophy of Life Sciences for the master of Didactics for Secondary School (SSIS, Univ of Torino)

General Physiology for the undergraduate courses in Biological Sciences and Natural Sciences (Univ of Torino)

Didactics on Natural sciences (1998-2007; Faculty of Educational Sciences, Univ of Valle d'Aosta, IT)

Supervisor of several master students from different backgrounds (Cell Biology, Biotechnology, Physics).

Supervisor of 8 PhD students (PhD Complex Systems for Life Science, University of Torino).

MEMBERSHIPS

Member of Advisory committees for the master degree courses of Cellular and Molecular Biology and Evolution of Animal and Human Behaviour (DBIOS, Univ of Torino).

Member of the Committee for Sport Activities of University of Torino.

Member of the Joint Committee for the School of Natural Sciences of University of Torino.

Member and President of several committees for final Ph.D. discussion (Biology, Engineering).

INSTITUTIONAL POSITIONS

2021-present. Head of the Joint Teaching Committee for the School of Sciences (Univ of Torino).

2018-21 Head of the Committee for Public Engagement at the Department of Life Sciences and Systems Biology (Univ of Torino).

2019 Co-founder of The Public Engagement Lab (Univ of Torino).

2019-20 Member and sub-coordinator of GEV panel for Life Sciences (ANVUR; VQR 2015-19).

RESEARCH ACTIVITY

Bibliometric parameters

Author of more than 80 full papers on indexed international journals (*Last name/corresponding author* of >40 papers).

Total citations >2400 (Scopus),

h index 33 (Scopus)

h index 34 (Web of Science)

h index 38 (Google Scholar): included in Top Italian Scientists list for Biomedical Sciences (VIA Academy).

Main Scientific Contributions

He started working on the role and properties of mitogenic calcium signals in fibroblasts. Identification and characterization of the role of store-independent calcium entry in the control of cell proliferation.

He was the first to identify the critical role of arachidonic acid as a key regulator of mitogenic-related calcium signals, providing a detailed biophysical description of the channels involved.

In the 1997 he founded the Laboratory of Cellular and Molecular Angiogenesis (LACM) at the Department of Life Sciences & Systems Biology. Since 2019, LACM is a part of The International Associated Laboratory "CaPANCInv" (with Lille and Munster Universities).

He provided substantial evidence about the function of voltage-independent calcium signals in the control of endothelial cell proliferation, migration and angiogenesis. In particular, by the use of high-resolution confocal microscopy calcium measurements in living cells, he revealed the existence of proangiogenic calcium microdomains in endothelial cells. He provided a detailed description of the complex intracellular signaling responsible for calcium channel regulation, including arachidonic acid, nitric oxide and the novel gasotransmitter hydrogen sulfide (H₂S). He was one of the first to suggest a role for TRP channels in endothelial cell proliferation. More recently, he focused part of his research on proangiogenic calcium signals in tumor-derived endothelial cells, providing substantial evidence on the differences between endothelial cells from normal tissues and the tumoral endothelium. The experimental data have been successfully employed to provide mathematical models for the quantitative description and prediction of some key features of neovascularization.

A number of collaborations are ongoing with several industries to integrate basic research with more applied topics, including the role of vascularization in hair growth, bone remodeling and repair and the vascular effects of nutraceuticals in diabetes and metabolic syndrome. Another recent interest is focused on the interaction between biological tissues and nanoparticles.

Current research interests

Ion channels, calcium signaling and angiogenesis. Intracellular signaling in tumor-derived endothelial cells, with particular interest for the role of calcium channels

Mathematical Modeling. Biomathematical models for vascularization and angiogenesis

Nanobiotech. Use of functionalized nanotubes for drug delivering against tumor vascularization.

Skin vascularization. In vitro co-culture approaches for testing natural products of dermatological interest.

Bone vascularization and biomaterials. In vitro evaluation of biocompatibility of biomaterials for bone and dental implants.

Scientific memberships

Scientific Board of The Italian Society for Cardiovascular Research (SIRC).

Scientific board of Nanostructured Interfaces and Surfaces (NIS) Inter-departmental Centre (Univ of Torino).

Scientific Board for the Doctoral School in Complex Systems for quantitative biomedicine (Univ of Torino).

Member of The Italian Physiological Society (SIF).

Member of the Interdepartmental Centre of Systems Biology (Univ of Torino).

Member of the Interuniversity Research Centre on Epistemology and History of Life Sciences- Res Viva (Univ of Rome).

Editorial and Reviewer activity

Editorial Board of international journals

Cancers (MDPI). Editorial Board

Frontiers in Physiology. Guest Associate Editor. Section: Membrane Physiology and Membrane Biophysics

Frontiers in Cellular Neuroscience. Review Editor.

Recent Patents on Anticancer Drug Discovery (Bentham Science Publishers) Editorial Board-Regional Editor

Current Medicinal Chemistry (Bentham Science Publishers). Guest Editor for 'Hot Topic Intracellular Calcium Signaling: Holding the Balance between Health and Disease' (2012)

World Journal of Biological Chemistry (Baishideng Publishing). Editorial Board

Reviewer for high impact international journals.

Reviewer for international agencies (UK, China, United Arab Emirates, Japan).

Invited speaker and chairman in national and international meetings, workshops, and seminars.

PROJECTS

Local Unit Coordinator of the PRIN 2017 Project: Leveraging basic knowledge of ion channel networks in cancer for innovative therapeutic strategies (LIONESS).

Research project of Ateneo- Compagnia di San Paolo 2014: 'TRP channels functionalized nanoparticles to target prostate cancer vascularization' (Participant).

Research project of the University-Compagnia di San Paolo 2011: 'Nanostructured materials and interfaces for frontier technologies' (Participant).

Principal Investigator for the 2007 Alfieri Project (CRT Foundation): 'Role of intracellular calcium in tumour angiogenesis'.

Principal Investigator for the Finalized Health Research Projects of the Piedmont Region (2003, 2006, 2007, 2008, 2009).

Co-Presenter of the CIPE 2004 Project: 'Biocompatible nanostructured materials for biomedical applications'.

TECHNOLOGICAL TRANSFER

Scientific supervisor for University-Industry agreements with Rottapharm-Madaus, Monza, ITA, Meda Pharma, Monza, ITA, Twocare, Torino, ITA, Eltek, Alessandria, ITA, Tiss'you, San Marino, Biomec, Lecco, ITA, Abel Nutraceuticals, ITA.

PUBLICATIONS

Full papers on peer-reviewed International Journals

1. Petrillo S, Genova T, Chinigò G, Roato I, Scarpellino G, Kopecka J, Altruda F, Tolosano E, Riganti C, Mussano F and **Munaron L.*** Endothelial Cells Promote Osteogenesis by Establishing a Functional and Metabolic Coupling With Human Mesenchymal Stem Cells. *Frontiers in Physiology* in press.
2. 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.

3. 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.
4. 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.
5. Mannino G, Chinigò G, Serio G, Genova T, Gentile C, **Munaron L**, Bertea 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.* 2020 Aug 19. doi: 10.1007/112_2020_32. Online ahead of print.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.

16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. Lukanini 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.
26. 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.
27. 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.
28. 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).
29. 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.

30. 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.
31. 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.
32. 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).
33. 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.
34. Bianco S, Mancardi D, Merlini A, Bussolati B, **Munaron L***. Hypoxia and hydrogen sulfide differentially affect normal and tumor-derived vascular endothelium. *Redox Biol*. 2017; 12:499-504.
35. Genova T, Grolez GP, Camillo C, Bernardini M, Bokhobza A, Richard E, Scianna M, Lemonnier L, Valdembri 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.
36. 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.
37. 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.
38. 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.
39. 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.
40. Scianna M, **Munaron L***. Computational approaches for translational oncology: concepts and patents. *Recent Pat Anticancer Drug Discov*. 2016;11(4):384-392.
41. Avanzato D, Genova T, Fiorio Pla A, Bernardini M, Bianco S, Bussolati B, Mancardi D, Giraudo 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.
42. 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.
43. 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.
44. 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.
45. 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.
46. 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.

47. 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.
48. **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.
49. 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.
50. 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.
51. Moccia F, Tanzi F, **Munaron L**. Endothelial remodelling and intracellular calcium machinery. *Curr Mol Med*. 2014 May;14(4):457-80.
52. 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.
53. **Munaron L***. Editorial: Intracellular calcium signaling: holding the balance between health and disease. *Curr Med Chem*. 2012;19(34):5765-7.
54. **Munaron L***, Scianna M. Multilevel complexity of calcium signaling: Modeling angiogenesis. *World J Biol Chem*. 2012 Jun 26;3(6):121-6.
55. **Munaron L***, Avanzato D, Moccia F, Mancardi D. Hydrogen sulfide as a regulator of calcium channels. *Cell Calcium*. 2013 Feb;53(2):77-84.
56. **Munaron L***, Arcangeli A. Editorial: ion fluxes and cancer. *Recent Pat Anticancer Drug Discov*. 2013 Jan 1;8(1):1-3.
57. **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.
58. 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.
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63. 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.
64. 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.
65. 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.
66. **Munaron L***, Fiorio Pla A. Endothelial calcium machinery and angiogenesis: understanding physiology to interfere with pathology. *Curr Med Chem*. 2009;16(35):4691-703.

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70. **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.
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