

PUBLICATIONS IN INTERNATIONAL PEER-REVIEWED SCIENTIFIC JOURNALS

1. Barile L, Cervio E, Lionetti V, Milano G, Ciullo A, Biemmi V, Bolis S, Altomare C, Matteucci M, Di Silvestre D, Brambilla F, Fertig TE, Torre T, Demertzis S, Mauri P, Moccetti T, Vassalli G. Cardioprotection by cardiac progenitor cell-secreted exosomes: role of pregnancy-associated plasma protein-A. *Cardiovasc Res.* 2018 Jun 1;114(7):992-1005.
2. Barile L, Vassalli G. Angiogenic activity of exosomes isolated from human pericardial fluid *Biotarget* 2017; 1:10
3. Barile L, Milano G, Vassalli G. Beneficial effects of exosomes secreted by cardiac-derived progenitor cells and other cell types in myocardial ischemia
Lucio Barile, Giuseppina Milano, Giuseppe Vassalli
Stem Cell Investigation 2017, 4: 93 18 November 2017
4. Sildenafil attenuates hypoxic pulmonary remodelling by inhibiting bone marrow progenitor cells. Favre S, Gambini E, Nigro P, Scopece A, Bianciardi P, Caretti A, Pompilio G, Corno AF, Vassalli G, von Segesser LK, Samaja M, Milano G. *J Cell Mol Med.* 2017 May;21(5):871-880
5. Balbi C, Piccoli M, Barile L, Papait A, Armirotti A, Principi E, Reverberi D, Pascucci L, Becherini P, Varesio L, Moggi M, Coviello D, Bandiera T, Pozzobon M, Cancedda R, Bollini S. First Characterization of Human Amniotic Fluid Stem Cell Extracellular Vesicles as a Powerful Paracrine Tool Endowed with Regenerative Potential. *Stem Cells Transl Med.* 2017 Mar 8. doi: 10.1002/sctm.16-0297
6. Barile L, Moccetti T, Vassalli G. Exosomes: Therapy delivery tools and biomarkers for diseases *Pharmacol Ther.* 2017 Feb 12. pii: S0163-7258(17)
7. Barile L, Moccetti T, Marbán E, Vassalli G. Roles of exosomes in cardiac protection *European Heart Journal* 2017 Jul 21. pii: ehw304
8. Altomare C, Pianezzi E, Cervio E, Biemmi V, Bolis S, Benzoni P, Camici G, Moccetti T, Barile L*, Vassalli G. Characterisation of induced pluripotent stem cell-derived cardiomyocytes using 3 human adult cardiac progenitor cells or fibroblasts *Europace* (2016) 00, 1–10 doi:10.1093/europace/euw352
*Co-Corresponding Author: Design, Supervising of project and data collection
9. Pisano F, Altomare C, Cervio E, Barile L, Ciuffreda MC, Malpasso G, Copes F, Viarengo G, Zaza A, Gneccchi M. Combination of miRNA499 and miRNA133 exerts a synergic effect on cardiac differentiation. *Stem Cells.* 2015 Apr;33(4):1187-99. doi: 10.1002/stem.1928
10. Matteucci M; Papini G; Ciofini E; Barile L; Lionetti V. Epigenetic Regulation of Myocardial Homeostasis, Self-Regeneration and Senescence *Curr Drug Targets.* 2015;16(8):827-42.
11. Cervio E, Barile L, Moccetti T, Vassalli G.

12. Rocchetti M, Sala L, Rizzetto R, Staszewsky LI, Alemanni M, Zambelli V, Russo I, Barile L, Cornaghi L, Altomare C, Ronchi C, Mostacciuolo G, Lucchetti J, Gobbi M, Latini R, Zaza A.
Ranolazine prevents INaL enhancement and blunts myocardial remodelling in a model of pulmonary hypertension.
Cardiovasc Res. 2014 Aug 18. pii: cvu188.
13. Barile L*, Lionetti V, Cervio E, Matteucci M, Gherghiceanu M, Popescu LM, Torre T, Siclari F, Moccetti T, Vassalli G.
Extracellular vesicles from human cardiac progenitor cells inhibit cardiomyocyte apoptosis and improve cardiac function after myocardial infarction.
Cardiovasc Res. 2014 Jul 11. pii: cvu167.
**Co-Corresponding Author: Design, Supervising of project and data collection*
14. Altomare C, Barile L, Rocchetti M, Sala L, Crippa S, Sampaolesi M and Zaza A.
Altered functional differentiation of mesoangioblasts in a genetic myopathy
J Cell Mol Med. 2013 Mar;17(3):419-28. doi: 10.1111/jcmm.12023. Epub 2013 Feb 7.
15. Barile L, Gherghiceanu M, Popescu LM, Moccetti T, Vassalli G.
Human cardiospheres as a source of multipotent stem and progenitor cells.
Stem Cells Int. 2013;2013:916837. doi: 10.1155/2013/916837. Epub 2013 May 12
16. Barile L, Gherghiceanu M, Popescu LM, Moccetti T, Vassalli G.
Ultrastructural evidence of exosome secretion by progenitor cells in adult mouse myocardium and adult human cardiospheres.
J Biomed Biotechnol. 2012;2012:354605. doi: 10.1155/2012/354605. Epub 2012 Nov
17. Barile L, Lionetti V.
Prometheus's Heart: what lies beneath.
J Cell Mol Med. 2012 Feb;16(2):228-36.