CURRICULUM VITAE
MAURILIO SAMPAOLESI, PhD

DATI PERSONALI

[redacted]

Professore Associato, SSD: BIO/06 SC: 05/B2 decreto di nomina 2444-2011 del 15/12/2011, chiamato dalla facoltà di Medicina e Chirurgia dell'Università degli Studi di PAVIA; vincitore del concorso nazionale pubblicato sulla Gazzetta n. 100 del 23/12/2008: Scuola Superiore di Studi Universitari e Perfezionamento Sant'Anna, valutazione comparativa ad un posto di Professore Associato Classe di SCIENZE SPERIMENTALI. Settore BIO/06 - Anatomia comparata e citologia; data di certificazione regolarità atti: 18/10/2010; data di delibera della facoltà: 15/12/2010.
É risultato idoneo per l'abilitazione a Professore Ordinario (I fascia) nei seguenti settori disciplinari:
05/H1 (BIO16) – ANATOMIA UMANA - I Fascia (29/01/2014 - 29/01/2020)
05/B2 (BIO06) – ANATOMIA COMP. E CITOLOGIA - I Fascia (24/02/2014 - 24/02/2020)

FORMAZIONE

2011-presente Professore Associato, Sezione di Anatomia Umana, Dipartimento di Sanità Pubblica, Medicina Sperimentale e Forense, Università degli Studi di Pavia (dal 15 Dicembre 2011)

2005-2011	Ricercatore, Instituto di Anatomia Umana, Dipartimento di Medicina Sperimentale, Università degli Studi di Pavia (dal 1 Febbraio 2005)
2002-2005	Ricercatore, Dirigente di I livello, Stem Cell Research Institute (SCRI), DIBIT, Istituto di Ricerca San Raffaele, Milano
2003-2004	Professore a contratto (3 + 3 crediti) corso di Biologia e Genetica Facoltà di Psicologia Università di Milano "Bicocca"
2003	Abilitazione all'insegnamento classe di concorso A059 (Scienze, scuole secondarie superiore) e A060 (Scienze matematiche, chimiche, fisiche e naturali nella scuola media) per superamento concorso a cattedre.

2000-2002	Ricercatore a contratto, responsabile per il Progetto n.463/bi Telethon: "Analisi del meccanismo molecolare delle sarcoglicanopatie: un nuovo approccio di terapia genica della distofia muscolari dei cingoli"
1999-2000	Contratto di consulenza presso la Dompe' SpA, sezione di Biotecnologie, per produzione e purificazione di proteine ricombinanti in sistemi eucariotici
1997-1999	Post-Doc per l'approvazione di un progetto di ricerca sulla distrofia muscolare, affidata dal JISTEC (Japanese international Scientific and Technological Exchange Center) Grant ID n.197007, presso il Laboratorio di Fisiologia Molecolare del Centro Nazionale di Ricerca Cardiovascolare, Suita City Osaka, Japan
1997	Assunto presso la S.I.F.I. SpA con contratto di Formazione Lavoro in qualita' di Informatore Scientifico del Farmaco
1997	Dottore di Ricerca in "Fisiopatologia Cardiovascolare", in data 11 Dicembre 1997 presentando il lavoro "Caratterizzazione del danno miocardico e polmonare nella cardiomiopatia ereditaria dell'hamster siriano" (1992-1996)
1996	Iscrizione all'Albo Nazionale dei Biologi in data 2 Gennaio 1996, numero d'ordine n. 044660. Fino ad oggi iscritto regolarmente (Febbraio 2005)
1994	Abilitato alla professione di Biologo nella I sessione (Aprile 95) dell'anno 1994
1993	Vincitore Dottorato di Ricerca in "Fisiopatologia Cardiovascolare", VIII ciclo
1992	Tirocinio post-laurea presso il Laboratorio di Cardiologia Molecolare e Cellulare, Dipartimento Medicina Interna, Università di Roma "Tor Vergata". Borsa di studio sullo "Studio del danno ossidativo in cellule in coltura", Istituto Superiore di Sanità
1991	Laurea in Scienze Biologiche (Indirizzo Molecolare-Cellulare), in data 19.11.91 con votazione 110/110. T: "Studio della banda 3 eritrocitaria mediante l'uso di anticorpi monoclonali anti banda 3", relatore Prof. Francesco Bossa. Tirocinio presso il Laboratorio di Immunologia, Reparto Immunochimica, Istituto Superiore di Sanita', Roma
1986	Maturità Scientifica, Liceo Scientifico "J.F. Kennedy, Roma. Iscrizione al Corso di Laurea in Scienze Biologiche, Università degli studi di Roma "La Sapienza"

ATTIVITÁ DIDATTICA nel periodo di valutazione 2012-2015

-Anatomia Umana I, corso di Laurea in Biotecnologie triennali: 6 CFU.

-Anatomia Umana II, corso di Laurea in Biotecnologie magistrali: 3 CFU.

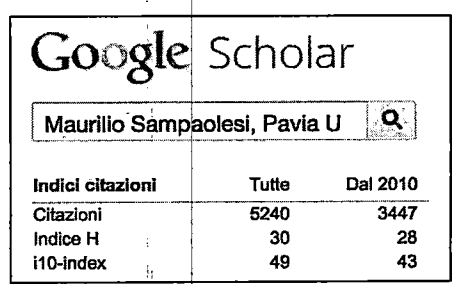
-Anatomia Umana II, corso di Laurea in Medicina e Chirurgia 'Harvey': 3 CFU.

E' stato inoltre promotore di 11 studenti per il dottorato di ricerca (8 hanno ottenuto il PhD, 4 ongoing), 18 triennale/specialistica, e mentore di 8 postdocs (3 on going).

ATTIVITÁ SCIENTIFICA e metrica nel periodo di valutazione 2012-2015

Ha ottenuto riconoscimenti internazionali per i risultati ottenuti nel settore di ricerca sulle cellule staminali e loro applicazioni terapeutiche nelle degenerazione muscolari. Ha avuto finanziamenti nazionali, Europei, Giapponesi ed Americani che gli hanno permesso di ottenere pubblicazioni scientifiche come senior/corresponding author su riviste prestigiose quali Journal of Cell Biology, Development, Journal of Pathology, Science and Nature. È responsabile di un'attività di ricerca in collaborazione con l'Università di Leuven, Belgio. E' inoltre inventore per la generazione di progenitori mesodermici da cellule staminali pluripotenti umane (*UK patent application* #GB1408712.6) depositato in data 16 Maggio 2014.

Il suo h-index è 30 (Google scholar), 26 (Scopus), 24 (WOS) con 75 lavori in PubMed, piú di 5200 citazioni totali (Google scholar, 70 citaz/pubblicazione in media). Nel periodo di valutazione ha prodotto 24 lavori indicizzati su PubMed, oltre ad una monografia sulle Cellule staminali (ed. Il Mulino) e capitoli in testi scientifici in inglese (Muscle Cell and Tissue – Chapter Novel Therapeutic Approaches for Skeletal Muscle Dystrophies, INTECH Ed. 2015 ISBN 978-953-51-4236-2) ed italiano (Cellule staminali Capitolo 7 - Cellule staminali e sistema muscolare Miologia Società Editrice Esculapio Ed. 2013 SBN: 9788874886296)



Mediane ANVUR: **64 - 213,7 - 21** (Numero Lavori ultimi 10 anni, 64; Citazioni normalizzate, 213,7; h-index contemporaneo 21).

ATTIVITÀ EDITORIALE

Ha svolto attività di revisore per diversi giornali, Biomaterial, Cell Death and Differentiation, FASEB Journal, Human Gene Therapy, PLOSONE, Stem Cells, Trends in Molecular Medicine, Tissue engineering, Journal of Cell Science, Cell Transplantation. È ed è stato membro nei comitati scientifici di valutazione per l'AFM-Telethon, EC starting grant, Research Grants Council (RGC) Hong Kong e Clinical and Applied Biomedical Research, Health Research Board Irlanda. Dal 2013 ricopre la carica di Deputy Editor per la rivista Inglese Cardiovascular Research, Oxford Press, Associate Editor per la rivista Svizzera Frontiers in Cell and Developmental Biology dal 2012 per la rivista Americana PLOSONE dal 2010. Infine dal 2010 è inserito nell' Albo Revisori MIUR la valutazione dei progetti PRIN e per il Programma per Giovani Ricercatori "Rita Levi Montalcini".

FINANZIAMENTI (evidenziate in grigio quelle ottenute nel 2012-2015)

(2014-2018) - FWO #G088715N - Bipotential progenitor cells to treat cardiac and skeletal muscle degeneration in a large animal model of Duchenne Muscular Dystrophy. (as coordinator)

(2014-2018) - Opening the future # EJJ-OPTFUT-O2010 - Novel therapeutic approaches for the treatment of Muscular Dystrophies: iPSC and TALEN technologies for myogenic regeneration 400.000€ (as coordinator)

(2013-2016) - FWO #G0A8813N- Epigenetic memory and miRNA therapeutic targeting in an animal model for limb girdle muscular dystrophy type 2E. (as coordinator).

(2012-2017) - IUAPVII-07 DevRepair– Paracrine and transcriptional control of cell differentiation in organ development and repair - 40.000€ (as partner).

(2012-2015) - FWO #G060612N Mesoangioblast reprogramming: potential in myogenic differentiation 180.000€ (as coordinator)

(2010-2017) - Programmafinanciering KUL PF/10/00300 Stem Cell Program 540.000€ (as partner)

(2010-2015) - GOA #11-012 Growth factor signal interpretation in stem cells and the early embryo 1.070.000€ (as partner)

(2010-2015)- EU FP7 #242038 CARE-MI – Activation of endogenous cells as an approach to regenerative medicine - 280.0000€ (as partner)

(2010-2014) - CARIPLO Foundation International program – Reprogramming adult stem cells in collaboration with Prof Catherine Verfaillie – Creation of an International Research Group 350.0000€ (as coordinator)

(2010-2014) - AFM #14616 – In vivo tracking of mesoangioblasts in dystrophin-deficient dog: methodological development 280.0000€ (as partner)

(2010-2012) - PRIN-COFIN Ministry of Health, Italy. Terapia cellulare in modelli murini per la cardiomiopatia cronica ereditaria - 47.143€ (as partner).

(2010-2011) - IOF Hefboomproject #HB-10-044 – High content drug screening with contractile cardiac tissue 100.000€ (as coordinator)

(2009-2013) - OT #09-053 – Paracrine and transcriptional regulation of renewal and differentiation of embryonic and adult multi-potent progenitor cells in vertebrates 300.000 € (as coordinator)

(2009-2013) - Luban foundation – Stem cell therapy in animal model for LGMD type 2D. (2009-2011) 100.000€; salary support for PhD student 60.000€; (as coordinator)

(2008-2013) - Minnesota University/KULeuven Wicka Funds n. zkb8720 – Improvements in stem cell therapy for muscular dystrophies 400.000$ (as coordinator)

(2007-2012) - FWO Odysseus Program # G.0907.08 – Molecular mechanisms of cardiomyopathy related to muscular dystrophy and stem cell therapy 500.000 € (as coordinator)

(2006-2008) - PRIN-COFIN Ministry of Health, Italy. Osteoinduzione ed osteoconduzione in cellule staminali umane adulte mediante crescita su biomateriali, esposizione a campi magnetici e coltura in bioreattore a perfusione - 71.429€ (as partner).

TRANSFERIMENTO TECNOLOGICO

2014: Titolare brevetto europeo su derivazioni progenitori mesodermici da cellule staminali pluripotenti. UK Patent Application Ref. No. GB1408712.6 Filed in the UK May 16th 2014. Inventori Maurilio Sampaolesi and Mattia Quattrocelli - An in vitro method to produce mesodermal progenitor cells from pluripotent stem cells

ORGANIZZAZIONE CONFERENZE

-XII International meeting IIM Hotel Matilde di Canossa, San Bartolomeo-Reggio Emilia, October 1-4 2015 (co-organizzatore)

-XI International meeting IIM Borgo San Luigi a Monteriggioni (Siena), October 2-5 2014 (co-organizzatore e Plenary speaker)

-X International meeting IIM Borgo San Luigi a Monteriggioni (Siena), October 10-13 2013(co-organizzatore)

-Cardio Repair European Multidisciplinary Initiative Annual Consortium and Scientific Progress --- FP7 Meeting Leuven, BE July 12th – 13th, 2012 (scientific organizer)

-IX IIM meeting Hilton Acaya Golf Resort, Acaya, Lecce October 12-14 2012(co-organizzatore)

-Instituto Interuniversitario di Miologia (IIIM dal 2008/meeting annuali)

-Muscular Dystrophy Symposium Leuven, October 2, 2008

PREMI ACCADEMICI E RICONOSCIMENTI SCIENTIFICI

2014: Premio miglior progetto nella campagna 'Opening the Future'# EJJ-OPTFUT-O2010: 'Novel therapeutic approaches for the treatment of Muscular Dystrophies: iPSC and TALEN technologies for myogenic regeneration' (Leuven Belgium 9 March 2014)

2011: Premio miglior poster EMBO meeting: Quattrocelli M, Palazzolo G, Sampaolesi M, Myogenic-biased commitment in pericyte-derived iPSCs, ASCR EMBO Meeting, (Paris France, April 6-8 2011)

2008: Premio miglior progetto scientifico FWO, Belgio "Molecular mechanisms of cardiomyopathy related to muscular dystrophy and stem cell therapy" FWO-Odysseus FWO Odysseus Program n. G.0907.08 (Bruxelles Belgio 8 January 2008)

2007: Menzione speciale per miglior progetto scientifico su studi preclinici per il trattamento delle patologie cardiache croniche, Fonazione Mai (Milan 5 June 2007)

2006: Premio miglior scientific team report DIBIT-HSR San Raffaele Scientific Institute Retreat (IRCCS San Raffaele –Bardolino (VR), 2006 February 19-21)

1997: Premio miglior progetto sulla distrofia muscolare dal JISTEC (Japanese international Scientific and Technological Exchange Center) Grant ID n.197007 (Osaka Giappone, 8 September 1997)

5 MIGLIORI PUBBLICAZIONI COME PRIMO/SENIOR AUTORE

1) **Sampaolesi M**, Torrente Y, Innocenzi A, Tonlorenzi R, D'Antona G, Pellegrino MA, Barresi R, Bresolin N, De Angelis MG, Campbell KP, Bottinelli R, Cossu G. Cell therapy of alpha-sarcoglycan null dystrophic mice through intra-arterial delivery of mesoangioblasts. **Science** 2003, 301(5632): 487-92. **IF= 29.162** (380 citations)

2) **Sampaolesi M**, Blot S, D'Antona G, Granger N, R. Tonlorenzi, A. Innocenzi, P. Mognol, J.L. Thibaud, B. Galvez, I. Barthélémy, L. Perani, S. Mantero, M. Guttinger, O. Pansarasa, C. Rinaldi, M. G. Cusella De Angelis, Y. Torrente, C. Bordignon, R. Bottinelli and Cossu G. Mesoangioblast stem cells ameliorate muscle function in dystrophic dogs. **Nature** 2006 444(7119): 574-9 **IF= 26,681**(366 citations)

3) *Dellavalle A, *Sampaolesi M, et al. Pericytes of human skeletal muscle are myogenic precursors distinct from satellite cells. *Equally contributors **Nat Cell Biol** 9(3): 255-67, 2007 **IF= 17.623** (409 citations)

4) De Palma M, Venneri MA, Galli R, Sergi Sergi LS, Politi LS, Sampaolesi M, Naldini L. Tie2 identifies a hematopoietic lineage of proangiogenic monocytes required for tumor vessel formation and a mesenchymal population of pericyte progenitors. **Cancer Cell** 2005 8(3): 211-26 **IF= 18,725** (618 citations)

5) Crippa S, Cassano M, Messina G, Galli D, Galvez BG, Curk T, Altomare C, Ronzoni F, Toelen J, Gijsbers R, Debyser Z, Janssens S, Zupan B, Zaza A, Cossu G, Sampaolesi M. miR669a and miR669q prevent skeletal muscle differentiation in postnatal cardiac progenitors. **J Cell Biol.** 193(7): 1197-212, 2011 **IF= 10.264** (22 citations)

PUBBLICAZIONI SCIENTIFICHE (evidenziate in grigio quelle prodotte nel 2012-2015)

1 Quattrocelli M, Swinnen M, Giacomazzi G, Camps J, Barthélemy I, Ceccarelli G, Caluwé E, Grosemans H, Thorrez L, Pelizzo G, Muijtjens M, Verfaillie CM, Blot S, Janssens S, Sampaolesi M. Mesodermal iPSC-derived progenitor cells functionally regenerate cardiac and skeletal muscle. **J Clin Invest. 2015** Nov 16. pii: 82735 ***recent IF= 13.262***

2 Costamagna D, Costelli P, Sampaolesi M, Penna F Role of Inflammation in Muscle Homeostasis and Myogenesis. **Mediators Inflamm. 2015**;2015:805172.

3 Costamagna D, Quattrocelli M, van Tienen F, Umans L, de Coo IF, Zwijsen A, Huylebroeck D, **Sampaolesi M.** Smad1/5/8 are myogenic regulators of murine and human mesoangioblasts. **J Mol Cell Biol. 2015** Oct 8. pii: mjv059. ***recent IF= 6.870***

4 Perini I, Elia I, Lo Nigro A, Ronzoni F, Berardi E, Grosemans H, Fukada S, **Sampaolesi M.** Myogenic induction of adult and pluripotent stem cells using recombinant proteins. **Biochem Biophys Res Commun. 2015** Aug 28;464(3): 755-61 ***recent IF= 2.297***

5 Costamagna D, Berardi E, Ceccarelli G, **Sampaolesi M.** Adult Stem Cells and Skeletal Muscle Regeneration. **Curr Gene Ther. 2015**;15(4):348-63. ***recent IF= 4.906***

6 Ceccarelli G, Pozzo E, Scorletti F, Benedetti L, Cusella G, Ronzoni FL, Sahakyan V, Zambaiti E, Mimmi MC, Calcaterra V, Deprest J, Sampaolesi M, Pelizzo G. Molecular signature of amniotic fluid derived stem cells in the fetal sheep model of myelomeningocele. **J Pediatr Surg. 2015** Sep;50(9):1521-7 ***recent IF= 1.387***

7 Berardi E and Sampaolesi M. Novel Therapeutic Approaches for Skeletal Muscle Dystrophies "Muscle Cell and Tissue", book edited by Kunihiro Sakuma. **InTechOpen 2015 Chapter 14:** 393-410. ISBN 978-953-51-2156-5, 14 DOI: 10.5772/60479

8 Quattrocelli M & **Sampaolesi M.** The mesmiRizing complexity of cardiac and skeletal muscle microRNAs. **Adv Drug Deliv Rev. 2015 Jul 1;88: 37-52** ***recent IF= 15.038***

9 Giacomazzi G, **Sampaolesi M**, Quattrocelli M. Unconventional Players on the Striated Muscle Field: MicroRNAs, Signaling Pathways and Epigenetic Regulators. **Curr Stem Cell Res Ther. 2015** Jan 12 [Epub ahead of print] ***recent IF= 2.861***

10 Sipido KR, Holvoet P, Janssens S, Luttun A, **Sampaolesi M**. Welcome to cardiovascular research in 2015. **Cardiovasc Res. 2015** Jan 1;105(1):1-2. ***recent IF= 5.940***

11 Pelizzo G, Ballico M, Mimmi MC, Peirò JL, Marotta M, Federico C, Andreatta E, Nakib G, **Sampaolesi M**, Zambaiti E, Calcaterra V. Metabolomic profile of amniotic fluid to evaluate lung maturity: the diaphragmatic hernia lamb model. **Multidiscip Respir Med. 2014** Nov 4;9(1):54.

12 Quattrocelli M, Costamagna D, Giacomazzi G, Camps J and **Sampaolesi M.** Notch signaling regulates myogenic regenerative capacity of murine and human mesoangioblasts. **Cell Death Dis. 2014** Oct 9; 5:e1448. ***recent IF= 6.044***

13. Deprest J, Gucciardo L, Eastwood P, Zia S, Jimenez J, Russo F, Lesage F, Lewi L, **Sampaolesi M**, Toelen J. Medical and regenerative solutions for congenital diaphragmatic hernia: a perinatal perspective. **Eur J Pediatr Surg. 2014** 24(3): 270-7. doi: 10.1055/s-0034-1382262. ***recent IF= 0.975***

14. La Rovere R, Quattrocelli M, Pietrangelo T, Di Filippo ES, Maccatrozzo L, Cassano M, Mascarello F, Barthélémy I, Blot S, **Sampaolesi M**, Fulle S. Myogenic potential of canine craniofacial satellite cells. **Front. Aging Neurosci. 2014** 6:90. doi: 10.3389/fnagi.2014.00090. ***recent IF= 5.224***

15. Faggi F, Mitola S, Sorci G, Riuzzi F, Donato R, Codenotti S, Poliani PL, Cominelli M, Vescovi R, Rossi S, Calza S, Colombi M, Penna F, Costelli P, Perini I, **Sampaolesi M**, Monti E, Fanzani A. Phosphocaveolin-1 enforces tumor growth and chemoresistance in rhabdomyosarcoma. **PLoS One. 2014** Jan 10;9(1):e84618. doi: 10.1371/journal.pone.0084618. ***recent IF= 3.739***

16. Berardi E, Annibali D, Cassano M, Crippa S, **Sampaolesi M.** Molecular and cell-based therapies for muscle degenerations: a road under construction. **Front Physiol. 2014** Apr 8;5:119. eCollection 2014.

17. Sipido KR, Casadei B, Holvoet P, Janssens S, Luttun A, **Sampaolesi M.** Bedside to bench: a look at experimental research with a clinical trial checklist. **Cardiovasc Res. 2014** Jan 1;101(1):1-3. doi: 10.1093/cvr/cvt272. ***recent IF= 5.940***

18. Costamagna D, Quattrocelli M, Duelen R, Sahakyan V, Perini I, Palazzolo G, **Sampaolesi M.** Fate choice of post-natal mesoderm progenitors: skeletal versus cardiac muscle plasticity. **Cell Mol Life Sci. 2014** 71(4): 615-27 ***recent IF= 5.856***

19. Sampaolesi M, Janssens S. Stem cell highways: signalling beats trafficking? **Cardiovasc Res. 2013** Nov 1;100(2):178-80. doi: 10.1093/cvr/cvt221. ***recent IF= 5.940***

20. Quattrocelli M, Crippa S, Montecchiani C, Camps J, Cornaglia AI, Boldrin L, Morgan J, Calligaro A, Casasco A, Orlacchio A, Gijsbers R, D'Hooge J, Toelen J, Janssens S, Sampaolesi M. Long-term miR-669a therapy alleviates chronic dilated cardiomyopathy in dystrophic mice. **J Am Heart Assoc. 2013** Aug 20;2(4):e000284. doi: 10.1161/JAHA.113.000284. ***IF= 2.882***

21. Altomare C, Barile L, Rocchetti M, Sala L, Crippa S, Sampaolesi M, Zaza A. Altered functional differentiation of mesoangioblasts in a genetic myopathy. **J Cell Mol Med. 2013** 17(3): 419-28 ***IF= 3.698***

22. Quattrocelli M, Thorrez L, **Sampaolesi M.** Pluripotent stem cell derivation and differentiation toward cardiac muscle: novel techniques and advances in patent literature. **Recent Pat Drug Deliv Formul. 2013** 7(1): 18-28

23. Fanzani A, Zanola A, Faggi F, Papini N, Venerando B, Tettamanti G, Sampaolesi M, Monti E. Implications for the mammalian sialidases in the physiopathology of skeletal muscle. **Skelet Muscle. 2012** 2(1): 23

24. Galli D, Gobbi G, Carrubbi C, Di Marcantonio D, Benedetti L, De Angelis MG, Meschi T, Vaccarezza M, Sampaolesi M, Mirandola P, Vitale M. 1 The role of PKCe-dependent signaling

for cardiac differentiation. **Histochem Cell Biol. 2013** 139(1): 35-46 ***IF= 2.927***

25 Berardi E, Pues M, Thorrez L, Sampaolesi M.microRNAs in ES Cell Differentiation. **Am J Physiol Heart Circ Physiol 2012** 303(8): H931-9 ***recent IF= 3.629***

26 Tedesco FS, Gerli MF, Perani L, Benedetti S, Ungaro F, Cassano M, Antonini S, Tagliafico E, Artusi V, Longa E, Tonlorenzi R, Ragazzi M, Calderazzi G, Hoshiya H, Cappellari O, Mora M, Schoser B, Schneiderat P, Oshimura M, Bottinelli R, **Sampaolesi M**, Torrente Y, Broccoli V, Cossu G. Transplantation of genetically corrected human iPSC-derived progenitors in mice with limb-girdle muscular dystrophy. **Sci Transl Med 2012** 4(140): 140ra89. ***IF= 10.757***

27 Papini N, Anastasia L, Tringali C, Dileo L, Carubelli I, **Sampaolesi M**, Monti E, Tettamanti G, Venerando B. MmNEU3 sialidase over-expression in C2C12 myoblasts delays differentiation and induces hypertrophic myotube formation. **J Cell Biochem. 2012** 113(9): 2967-78. ***IF= 3.062***

28 Cassano M, Berardi E, Crippa S, Toelen J, Barthelemy I, Micheletti R, Chuah M, Vanderdriessche T, Debyser Z, Blot S and **Sampaolesi M**. Alteration of cardiac progenitor cell potency in GRMD dogs. **Cell Transplant 2012** 21(9): 1945-67 ***IF= 4.422***

29 D'Angelo F, Armentano I, Cacciotti I, Tiribuzi R, Quattrocelli M, Del Gaudio C, Fortunati E, Saino E, Caraffa A, Cerulli GG, Visai L, Kenny JM, **Sampaolesi M**, Bianco A, Martino S, Orlacchio A. Tuning multi/pluri-potent stem cell fate by electrospun poly(L-lactic acid)-calcium-deficient hydroxyapatite nanocomposite mats. **Biomacromolecules 2012** 13(5): 1350-60. ***IF= 5.371***

30 Crippa S, Cassano M, **Sampaolesi M**. Role of miRNAs in muscle stem cell biology: proliferation, differentiation and death. **Curr Pharm Des 2012** 18(13): 1718-29 ***IF= 3.311***

31 Ronzoni F, Bongio M, Conte S, Vercesi L, Cassano M, Tribioli C, Galli D, Bellazzi R, Magenes G, Cusella De Angelis MG and **Sampaolesi M**. Localization of Magic-F1 transgene, involved in muscular hypertrophy, during early myogenesis. **J Biomed Biotechnol 2011**:492075. ***IF= 2.436***

32 Quattrocelli M, Palazzolo G, Perini I, Crippa S, Cassano M, and **Sampaolesi M.** Mouse and Human Mesoangioblasts: isolation and characterization. Methods and Protocols Series: Methods in Molecular Biology, Vol. 798. Product of Humana Press DiMario, Joseph X. (Ed.) 1st Edition. 2012 **Methods Mol Biol. 2012**; 798:65-76.

33 **Sampaolesi M.** Biomedical perspectives in the use of stem cells. The Century of Biology, Pearson International publishing group edited by **T. Pievani 2012**

34 Ceccarelli G, Ronzoni F, Quattrocelli M, Galli D, Benedetti L, Cusella De Angelis G and **Sampaolesi M.** Mononucleated cells to regenerate skeletal muscle syncytial tissues **J Stem Cell Res Ther. 2012**, S11-002

35 Loperfido M, Crippa S and **Sampaolesi M.** miRNA Lentiviral Vector Integration and Gene Targeting Efficacy in Cardiac Progenitors. **J Stem Cell Res Ther 2012**, S9-003 doi: 10.4172/2157-7633.S9-003

36 Tedesco S, **Sampaolesi M** and Cossu G. Stem Cells for the Treatment of Muscular

Dystrophy. Handbook of Stem Cells, Volume 2: Adult & Fetal Stem Cells, Robert Lanza **Editor ELSEVIER 2012 Chapter 56**: 641-651

37 Thorrez L, **Sampaolesi M**. The future of induced pluripotent stem cells for cardiac therapy and drug development. **Curr Pharm Des. 2011**; 17(30):3258-70 ***IF= 3.870***

38 Mattoli F, Tiribuzi R, D'Angelo F, di Girolamo I, Quattrocelli M, Montesano S, Crispoltoni L, Oikonomou V, Cusella De Angelis MG, Marconi P, Orlacchio A, **Sampaolesi M**, Martino S, Orlacchio A. Development of a New Tool for 3D Modeling for Regenerative Medicine.
Int J Biomed Imaging 2011; 2011: 236854.

39 Crippa S, Cassano M, Messina G, Galli D, Galvez BG, Curk T, Altomare C, Ronzoni F, Toelen J, Gijsbers R, Debyser Z, Janssens S, Zupan B, Zaza A, Cossu G and **Sampaolesi M.** miR669a and miR669q act as cell fate switch between cardiac and skeletal muscle lineages.
J Cell Biol 2011; 193(7): 1197-212. *Selected for the cover* ***IF= 10,264***

40 Cassano M, Quattrocelli M, Dellavalle A, Salvade A, Ronzoni F, Cossu G and **Sampaolesi M.** Alpha sarcoglycan is required for FGF dependent myogenic progenitor cell proliferation in vitro and in vivo. **Development 2011** 138(20): 4523-33 ***IF= 6,898***

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Erlangen, Germany 15 June 2015

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Sampaolesi M Cardiac progenitors in dystrophic stem cell niche
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Sampaolesi M Riprogrammazione cellulare ed epigenetica nella rigenerazione del muscolo scheletrico.
Scuola Superiore Sant'Anna, Pisa, Italy 18 March 2013

Sampaolesi M Stem cell treatment for muscular dystrophy: where we are and where we go
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UNISTEM - Cellule Staminali per il cuore (Prof Elena Cattaneo) Milan 28 January 2011

Sampaolesi M Cell fate switch between cardiac and skeletal muscle lineages
Stem cells and regeneration Session, Chairman
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Sampaolesi M Muscle Stem Cells and Development University of MN Paul and Sheila Wellstone Muscular Dystrophy Center Scientific Advisory Committee Minneapolis, US June 3, 2008 Annual Meeting

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