

PERSONAL INFORMATION

Michela Pozzobon



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POSITION STUDIES APPLIED

Researcher. Master degree in Chemistry and Pharmaceutical Technology. PhD in Regenerative Medicine.

WORK EXPERIENCE

April 2010 – now

Researcher and Laboratory operative responsible. Senior Researcher of the University of Padova since first June 2016.

Researcher of the private Institute: Fondazione Istituto di Ricerca Pediatrica Città della Speranza linked with the University of Padova and senior researcher of the University of Padova

- present: Foundation Paediatric Research Institute Città della Speranza – Department of Women’s and Children’s Health -University of Padova –
- 2012 - 2016: Foundation Paediatric Research Institute Città della Speranza –
- 2010 - 2012: Fondazione Città della Speranza- Department of Women’s and Children’s Health -University of Padova -

Affiliation:

- Stem Cells and Regenerative Medicine Lab, Fondazione Institute of Paediatric Research Città della Speranza
- Department of Women’s and Children’s Health, University of Padova

Main research interests and activity:

- Dr. Pozzobon’s activity concerns both the scientific research and the laboratory management.
- Her main interests regard a regenerative medicine approach by means of innovative tissue engineering techniques, using not only synthetic materials but also decellularized tissues, and stem cells for tissue regeneration. Moreover, with the help of murine models that in particular mimick muscle related diseases, she studies in vivo transplantation of amniotic fluid stem cells and satellite cells of both human and murine origin. In all, the research interests are devoted to a translational approach for pre-clinical applications.

Laboratory responsibility:

- Co-responsible of the Stem Cell and Regenerative Medicine Laboratory, together with Dr Paolo De Coppi.

Supervision activity:

- Research fellows and collaborators, 5 PhD students, 8 Master candidates.

Teaching:

- The teaching activity is mainly devoted to university students: master in Ethics and Biotechnology (organized by University of Padova, Prof. Corrado Viafora) and Medicine (University of Padova, Prof. Chiara Messina; Prof Pier Giorgio Gamba) since 2007.
- PhD course: Prof Anita De Rossi IOV since 2014.

EDUCATION AND TRAINING

- 2014 **National Abilitation, eligible as Associate Professor (22 January 2014)**
<https://abilitazione.cineca.it/ministero.php/public/elencodomande/settore/05%252FF1/fascia/2>.
- 2008-2010 **Post-doc Fellowship. University of Padova – Department of Women’s and Children’s Health and Fondazione Città della Speranza**
- Research activity: Satellite cells and amniotic fluid stem cells of mouse and human origin. In vivo application in transgenic animals.
- After the post doc period and the displacement of Dr. De Coppi in London, she become co-responsible of the research activities of the Stem Cells and Regenerative Medicine laboratory in Padova, based at Foundation Paediatric Research Institute Città della Speranza (<http://www.cittadellasperanza.org/irp>)
- 2005-2008 **Ph.D. in Biology and Regenerative Medicine. University of Padova – Department of Women’s and Children’s Health**
- Thesis: Isolation, expansion and differentiation of CD133+ cells from human bone marrow. Plasticity and cardiac regeneration.
- Research activity focused on stem cells from human Bone Marrow. Cellular and molecular biology techniques were applied together with a tissue engineering approach in *in vivo* rat model of cardiac damage. The work has been published in 2010 (Pozzobon M, Bollini S, Iop L, De Gaspari P, Chiavegato A, Rossi CA, Giuliani S, Fascetti Leon F, Elvassore N, Sartore S, De Coppi P. Human bone marrow-derived CD133(+) cells delivered to a collagen patch on cryoinjured rat heart promote angiogenesis and arteriogenesis. *Cell Transplant*. 2010;19(10):1247-60. Epub 2010 May 4
- 2004-2005 **Research Fellowship. University of Padova – Department of Women’s and Children’s Health**
- Research activity: Amniotic fluid stem cells and satellite cells; study of Human Bone Marrow, amniotic fluid and satellite stem cells under the supervision of Dr. Paolo De Coppi.
- 2001-2004 **Research Assistant University of Oxford (UK) – Nuffield Department of Clinical Sciences**
- Research assistant in David York Mason’s lab, Nuffield Department of Clinical Sciences of Oxford (UK).
 - Research activity: Human Lymphoma. 8 publications on interational journals have been produced.
- 2004 (1 month) **Visiting fellow. University of Standford (USA)**
- Visiting fellow at the Department of Pathology, Stanford University School of Medicine, Stanford (CA, USA): research activity on In Situ Hybridisation technique on paraffin embedded sections.
- 2000-2001 **Research Fellowship University of Padova – Pharmaceutical Sciences Department**
- Research: Polyethilen glycole and peptides synthesis.
 - Research fellowship on an EU project on polymer synthesis.
The activity produced two publications listed below.
- 2000 **Pharmacy Professional National abilitation**

1993-1999 **Laurea degree in Pharmaceutical Sciences (5 years course, MSc) University of Padova – Pharmaceutical Sciences Department - Biology Department**

- Thesis: Lipidic vector for genetic transfer in muscle cells.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B1	B2	B1	B1	B1

Certificate of First Certificate in English (FCE), University of Cambridge - Oxford, June 2004
 Spoken English Trinity Examination (Grade 12 out of 12), London Trinity College - Oxford, March 2004
 Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user

Level Basic user - B1/2: Independent user - C1/2 Proficient user
 Common European Framework of Reference for Languages

Communication skills

- good communication skills gained through the experience as researcher in international environment during the academic education, as research assistant at the University of Oxford, and during the research fellowship periods

Organisational / managerial skills

- Organisational and managerial skills gained through the:
 - management of projects as responsible and PI;
 - responsibility of the Stem Cells and Regenerative Medicine Laboratory
 - responsibility of research fellows and collaborators
 - tutoring of PhD and master students

Job related-skills

- **Cellular biology:**
 - in vitro: cellular cultures (cells selection by means of magnetic microbeads, cells differentiation using differentiation media), assay of proliferation and concentration of proteins; preparation of cytopins; nuclei extraction from embedded paraffin samples; stem cells differentiations.
 - Tissue decellularisation.
- **Molecular biology:**
 - RT-PCR, Q-RT-PCR using Sybr Green.
 - Primers design, Western blot.
- **Chemistry:**
 - conjugation of polymers to proteins, peptides synthesis purification techniques for peptides and non-peptides drug conjugates.
- **Immunohistochemistry:**
 - use of immuno-peroxidase, APAAP, immuno-fluorescence techniques in embedded paraffin sections and fresh materials.
 - FISH technique in extracted nuclei and embedded paraffin sections.
 - ISH technique in paraffin samples.
- **Instruments:**
 - HPLC, FPLC, LC, UV, NMR, IR, luminometer, cell counter.
 - Microscopy:
 - Time lapse, immunofluorescence microscopy.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- good command of office suite (word processor, spread sheet, presentation software)
- good command of photo editing software (photoshop, image j), processing data program (prism)

Driving licence B

ADDITIONAL INFORMATION

Patent pending

“Matrice acellulare per ricostruzione in vivo di muscolo scheletrico “
 Franzin C, Piccoli M, Pozzobon M, Urbani L. 2014

Publications

1. Bertin E, Piccoli M, Franzin C, Nagy A, Mileikovsky M, De Coppi P, Pozzobon M. Reprogramming of mouse amniotic fluid cells using a PiggyBac transposon system. Stem Cell Research 15 (2015) 510–513

2. Schiavo AA, Franzin C, Albiero M, Piccoli M, Spiro G, Bertin E, Urbani L, Visentin S, Cosmi E, Fadini GP, De Coppi P, Pozzobon M. Endothelial properties of third-trimester amniotic fluid stem cells cultured in hypoxia. *Stem Cell Res Ther.* 2015 Oct 31;6:209. doi: 10.1186/s13287-015-0204-0.
3. Xinaris C, Benedetti V, Novelli R, Abbate M, Rizzo P, Conti S, Tomasoni S, Corna D, Pozzobon M, Cavallotti D, Yokoo T, Morigi M, Benigni A, Remuzzi G. Functional Human Podocytes Generated in Organoids from Amniotic Fluid Stem Cells. *J Am Soc Nephrol.* 2015 Oct 29. pii: ASN.2015030316. [Epub ahead of print]
4. Piccoli M, Urbani L, Alvarez-Fallas ME, Franzin C, Dedja A, Bertin E, Zuccolotto G, Rosato A, Pavan P, Elvassore N, De Coppi P, Pozzobon M. Improvement of diaphragmatic performance through orthotopic application of decellularized extracellular matrix patch. *Biomaterials.* 2015 Oct 9;74:245-255. doi: 10.1016/j.biomaterials.2015.10.005. Epub 2015 Oct 9.]
5. Bertin E, Piccoli M, Franzin C, Nagy A., Mileikovsky M, Pozzobon M. Reprogramming of mouse amniotic fluid cells using a PiggyBac transposon system. *Stem cell research* 15 (2015) 510-513
6. DeKoninck P, Toelen J, Roubliova X, Carter S, Pozzobon M, Russo FM, Richter J, Vandersloten PJ, Verbeken E, De Coppi P, Deprest J. The use of human amniotic fluid stem cells as an adjunct to promote pulmonary development in a rabbit model for congenital diaphragmatic hernia. *Prenat Diagn.* 2015 Sep;35(9):833-40. doi: 10.1002/pd.4621. Epub 2015 Jun 19.
7. Pozzobon M, Franzin C, Piccoli M, De Coppi P. Fetal stem cells and skeletal muscle regeneration: a therapeutic approach. *Front Aging Neurosci.* 2014 Aug 27;6:222. doi: 10.3389/fnagi.2014.00222. eCollection 2014. Review.
8. Di Trapani M, Bassi G, Fontana E, Giacomello L, Pozzobon M, Guillot PV, De Coppi P, Krampera M. Immune Regulatory Properties of CD117pos Amniotic Fluid Stem Cells Vary According to Gestational Age. *Stem Cells Dev.* 2015 Jan 1;24(1):132-43. doi: 10.1089/scd.2014.0234
9. Pozzobon M, Piccoli M, De Coppi P. Stem cells from fetal membranes and amniotic fluid: markers for cell isolation and therapy purposes. *Cell Tissue Bank.* 2014 Jun;15(2):199-211. doi: 10.1007/s10561-014-9428-y. Epub 2014 Feb 20. Impact Factor:1.17
10. Archacka K*, Pozzobon M*, Repele A, Rossi CA, Campanella M, De Coppi P. Culturing muscle fibers in hanging drops: a novel approach to solve an old problem. * Authours contributed equally. *Biol Cell.* 2013 Nov 8. doi: 10.1111/boc.201300028. Impact Factor: 3.48
11. Franzin C, Piccoli M, Serena E, Bertin E, Urbani L, Luni C, Pasqualetto V, Eaton S, Elvassore N, De Coppi P, Pozzobon M. Single cell PCR analysis of murine embryonic stem cells cultured on different substrates highlights heterogeneous expression of stem cell markers. *Biol Cell.* 2013 Sep 11. doi: 10.1111/boc.201300034. Impact Factor: 3.48
12. Pozzobon M, Piccoli M, Schiavo AA, Atala A, De Coppi P. Isolation of c-Kit+ Human Amniotic Fluid Stem Cells from Second Trimester. *Methods Mol Biol.* 2013;1035:191-8. doi: 10.1007/978-1-62703-508-8_16. Book Chapter of Springer Publisher.
13. Di Trapani M, Bassi G, Ricciardi M, Fontana E, Bifari F, Pacelli L, Giacomello L, Pozzobon M, Féron F, De Coppi P, Anversa P, Fumagalli G, Decimo I, Menard C, Tarte K, Krampera M. Comparative Study of Immune Regulatory Properties of Stem Cells Derived from Different Tissues. *Stem Cells Dev.* 2013 Nov 15;22(22):2990-3002. doi: 10.1089/scd.2013.0204. Epub 2013 Aug 9. Impact Factor: 4.67
14. Grisafi D, Pozzobon M, Dedja A, Vanzo V, Tomanin R, Porzionato A, Macchi V, Salmaso R, Scarpa M, Cozzi E, Fassina A, Navaglia F, Maran C, Onisto M, Caenazzo L, De Coppi P, De Caro R, Chiandetti L, Zaramella P. Human amniotic fluid stem cells protect rat lungs exposed to moderate hyperoxia. *Pediatr Pulmonol.* 2013 Mar 26. doi: 10.1002/ppul.22791. Impact Factor: 2.37
15. Zani A, Cananzi M, Fascetti-Leon F, Lauriti G, Smith VV, Bollini S, Ghionzoli M, D'Arrigo A,

- Pozzobon M, Piccoli M, Hicks A, Wells J, Siow B, Sebire NJ, Bishop C, Leon A, Atala A, Lythgoe MF, Pierro A, Eaton S, De Coppi P. Amniotic fluid stem cells improve survival and enhance repair of damaged intestine in necrotising enterocolitis via a COX-2 dependent mechanism. *Gut*. 2014 Feb;63(2):300-9. doi: 10.1136/gutjnl-2012-303735. Epub 2013 Mar 24. Impact Factor: 10.73
16. Castellani C, Vescovo G, Ravara B, Franzin C, Pozzobon M, Tavano R, Gorza L, Papini E, Vettor R, De Coppi P, Thiene G, Angelini A. The contribution of stem cell therapy to skeletal muscle remodeling in heart failure. *Int J Cardiol*. 2013 Oct 3;168(3):2014-21. doi: 10.1016/j.ijcard.2013.01.168. Epub 2013 Feb 28.
 17. Urbani L, Piccoli M, Franzin C, Pozzobon M, De Coppi P. Hypoxia Increases Mouse Satellite Cell Clone Proliferation Maintaining both In Vitro and In Vivo Heterogeneity and Myogenic Potential. *PLoS One*. 2012;7(11):e49860. doi: 10.1371/journal.pone.0049860. Epub 2012 Nov 16.
 18. Pozzobon M, Piccoli M, De Coppi P. Sources of Mesenchymal Stem Cells: Current and Future Clinical Use. *Adv Biochem Eng Biotechnol*. 2012 Nov 2.
 19. Piccoli M, Franzin C, Bertin E, Urbani L, Blaauw B, Repele A, Taschin E, Cenedese A, Zanon GF, André-Schmutz I, Rosato A, Melki J, Cavazzana-Calvo M, Pozzobon M, De Coppi P. Amniotic Fluid Stem Cells Restore the Muscle Cell Niche in a HSA-Cre, Smn(F7/F7) Mouse Model. *Stem Cells*. 2012 May 29. doi: 10.1002/stem.1134.
 20. Gosemann JH, Kuebler JF, Pozzobon M, Neunaber C, Hensel JH, Ghionzoli M, de Coppi P, Ure BM, Holze G. Activation of regulatory T cells during inflammatory response is not an exclusive property of stem cells. *PLoS One*. 2012;7(4):e35512. Epub 2012 Apr 23.
 21. Rota C, Imberti B, Pozzobon M, Piccoli M, De Coppi P, Atala A, Gagliardini E, Xinaris C, Benedetti V, Fabricio A, Squarcina E, Abbate M, Benigni A, Remuzzi G, Morigi M. Human amniotic fluid stem cell preconditioning improves their regenerative potential. *Stem Cells Dev*. 2011.
 22. Angelini A, Castellani C, Ravara B, Franzin C, Pozzobon M, Tavano R, Libera LD, Papini E, Vettor R, De Coppi P, Thiene G, Vescovo G. Stem-cell therapy in an experimental model of pulmonary hypertension and right heart failure: role of paracrine and neurohormonal milieu in the remodeling process. *J Heart Lung Transplant*. 2011 Nov;30(11):1281-93.
 23. Luni C, Zagallo M, Albania L, Piccoli M, Pozzobon M, De Coppi P, Elvassore N. Design of a stirred multiwell bioreactor for expansion of CD34(+) umbilical cord blood cells in hypoxic conditions. *Biotechnol Prog*. 2011 Mar 7. doi: 10.1002/btpr.582.
 24. Rossi CA, Flaibani M, Blaauw B, Pozzobon M, Figallo E, Reggiani C, Vitiello L, Elvassore N, De Coppi P. In vivo tissue engineering of functional skeletal muscle by freshly isolated satellite cells embedded in a photopolymerizable hydrogel. *FASEB J*. 2011 Jul;25(7):2296-304. Epub 2011 Mar 30.
 25. Rossi CA, Pozzobon M, De Coppi P. Advances in musculoskeletal tissue engineering: moving towards therapy. *Organogenesis*. 2010 Jul-Sep;6(3):167-72. Review.
 26. Bollini S, Pozzobon M, Nobles M, Riegler J, Dong X, Piccoli M, Chiavegato A, Price AN, Ghionzoli M, Cheung KK, Cabrelle A, O'Mahoney PR, Cozzi E, Sartore S, Tinker A, Lythgoe MF, De Coppi P. In vitro and in vivo cardiomyogenic differentiation of amniotic fluid stem cells. *Stem Cell Rev*. 2011 Jun;7(2):364-80.
 27. Luni C, Feldman HC, Pozzobon M, De Coppi P, Meinhardt CD, Elvassore N. Microliter-bioreactor array with buoyancy-driven stirring for human hematopoietic stem cell culture. *Biomicrofluidics*. 2010 Aug 11;4(3). pii: 034105.
 28. Pozzobon M, Bollini S, Iop L, De Gaspari P, Chiavegato A, Rossi CA, Giuliani S, Fascetti Leon F, Elvassore N, Sartore S, De Coppi P. Human bone marrow-derived CD133(+) cells delivered to a collagen patch on cryoinjured rat heart promote angiogenesis and arteriogenesis. *Cell Transplant*. 2010;19(10):1247-60. Epub 2010 May 4.
 29. Rossi CA, Pozzobon M, Ditadi A, Archacka K, Gastaldello A, Sanna M, Franzin C, Malerba A, Milan G, Cananzi M, Schiaffino S, Campanella M, Vettor R, De Coppi P. Clonal

- characterization of rat muscle satellite cells: proliferation, metabolism and differentiation define an intrinsic heterogeneity. *PLoS One*. 2010 Jan 1;5(1):e8523.
30. Pozzobon M, Ghionzoli M, De Coppi P. ES, iPS, MSC, and AFS cells. Stem cells exploitation for Pediatric Surgery: current research and perspective. *Pediatr Surg Int*. 2010 Jan;26(1):3-10. Epub 2009 Sep 1. Review.
 31. Iop L, Renier V, Naso F, Piccoli M, Bonetti A, Gandaglia A, Pozzobon M, Paolin A, Ortolani F, Marchini M, Spina M, De Coppi P, Sartore S, Gerosa G. The influence of heart valve leaflet matrix characteristics on the interaction between human mesenchymal stem cells and decellularized scaffolds. *Biomaterials*. 2009 Sep;30(25):4104-16. Epub 2009 May 29.
 32. Iop L, Chiavegato A, Callegari A, Bollini S, Piccoli M, Pozzobon M, Rossi CA, Calamelli S, Chiavegato D, Gerosa G, De Coppi P, Sartore S. Different cardiovascular potential of adult- and fetal-type mesenchymal stem cells in a rat model of heart cryoinjury. *Cell Transplant*. 2008;17(6):679-94.
 33. Pozzobon M, Piccoli M, Ditadi A, Bollini S, Destro R, André-Schmutz I, Masiero L, Lenzini E, Zanesco L, Petrelli L, Cavazzana-Calvo M, Gazzola MV, De Coppi P. Mesenchymal stromal cells can be derived from bone marrow CD133+ cells: implications for therapy. *Stem Cells Dev*. 2009 Apr;18(3):497-510.
 34. Grisafi D, Piccoli M, Pozzobon M, Ditadi A, Zaramella P, Chiandetti L, Zanon GF, Atala A, Zacchello F, Scarpa M, De Coppi P, Tomanin R. High transduction efficiency of human amniotic fluid stem cells mediated by adenovirus vectors. *Stem Cells Dev*. 2008 Oct;17(5):953-62.
 35. Callegari A, Bollini S, Iop L, Chiavegato A, Torregrossa G, Pozzobon M, Gerosa G, De Coppi P, Elvassore N, Sartore S. Neovascularization induced by porous collagen scaffold implanted on intact and cryoinjured rat hearts. *Biomaterials*. 2007 Dec;28(36):5449-61. Epub 2007 Oct 1.
 36. Chiavegato A, Bollini S, Pozzobon M, Callegari A, Gasparotto L, Taiani J, Piccoli M, Lenzini E, Gerosa G, Vendramin I, Cozzi E, Angelini A, Iop L, Zanon GF, Atala A, De Coppi P, Sartore S. Human amniotic fluid-derived stem cells are rejected after transplantation in the myocardium of normal, ischemic, immuno-suppressed or immuno-deficient rat. *J Mol Cell Cardiol*. 2007 Apr;42(4):746-59. Epub 2006 Dec 23.
 37. De Coppi P, Callegari A, Chiavegato A, Gasparotto L, Piccoli M, Taiani J, Pozzobon M, Boldrin L, Okabe M, Cozzi E, Atala A, Gamba P, Sartore S. Amniotic fluid and bone marrow derived mesenchymal stem cells can be converted to smooth muscle cells in the cryo-injured rat bladder and prevent compensatory hypertrophy of surviving smooth muscle cells. *J Urol*. 2007 Jan;177(1):369-76.
 38. De Coppi P, Milan G, Scarda A, Boldrin L, Centobene C, Piccoli M, Pozzobon M, Pilon C, Pagano C, Gamba P, Vettor R. Rosiglitazone modifies the adipogenic potential of human muscle satellite cells. *Diabetologia*. 2006 Aug;49(8):1962-73. Epub 2006 Jun 24.
 39. De Coppi P, Pozzobon M, Piccoli M, Gazzola MV, Boldrin L, Slanzi E, Destro R, Zanesco L, Zanon GF, Gamba P. Isolation of mesenchymal stem cells from human vermiform appendix. *J Surg Res*. 2006 Sep;135(1):85-91. Epub 2006 May 2.
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 42. Marafioti T, Pozzobon M, Hansmann ML, Ventura R, Pileri SA, Robertson H, Gesk S, Gaulard P, Barth TF, Du MQ, Leoncini L, Möller P, Natkunam Y, Siebert R, Mason DY. The NFATc1 transcription factor is widely expressed in white cells and translocates from the

- cytoplasm to the nucleus in a subset of human lymphomas. *Br J Haematol.* 2005 Feb;128(3):333-42. Erratum in: *Br J Haematol.* 2005 Apr;129(1):162. Marafiot, Teresa [corrected to Marafioti, Teresa].
43. Masir N, Jones M, Pozzobon M, Marafioti T, Volkova OY, Mechetina LV, Hansmann ML, Natkunam Y, Taranin AV, Mason DY. Expression pattern of FCRL (FREB, FcRX) in normal and neoplastic human B cells. *Br J Haematol.* 2004 Nov;127(3):335-43.
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 46. Pileri SA, Marafioti T, Pozzobon M, Sabattini E, Ascani S, Mancini C, Piccioli M, Hansmann ML, Delsol G, Mason DY. The different expression of key-molecules allows the easy subclassification of Hodgkin's lymphoma cases as well as their distinction from non-Hodgkin's lymphomas. *Pathologica.* 2003 Oct;95(5):227. No abstract available.
 47. Pozzobon M, Marafioti T, Hansmann ML, Natkunam Y, Mason DY. Intracellular signalling molecules as immunohistochemical markers of normal and neoplastic human leucocytes in routine biopsy samples. *Br J Haematol.* 2004 Feb;124(4):519-33.
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 50. Guiotto A, Pozzobon M, Canevari M, Manganelli R, Scarin M, Veronese FM. PEGylation of the antimicrobial peptide nisin A: problems and perspectives. *Farmaco.* 2003 Jan;58(1):45-50.
 51. Guiotto A, Pozzobon M, Sanavio C, Schiavon O, Orsolini P, Veronese FM. An improved procedure for the synthesis of branched polyethylene glycols (PEGs) with the reporter dipeptide Met-betaAla for protein conjugation. *Bioorg Med Chem Lett.* 2002 Jan 21;12(2):177-80.
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Selected Seminars and invited talks :

Seminars

- Stem Cells and regenerative medicine at a glance. Invited talk.
Interational workshop “Stem cells of marine invertebrates: from basic research to innovatives applications”. March 2016 Padova, Italy
- Delivering myogenic cells in diseased muscle. Invited talk.
Spring Padua Muscle days, March 2015 Padova, Italy
- Human amniotic fluid stem cells from third trimester cultured under hypoxia and endothelial differentiation: in vitro and in vivo study. Invited talk.
IV World congress in Cell Science and Stem Cell Research 24-26 June 2014 Valencia, Spain
- Embryonic stem cells preserve pluripotency when injected in a foetal niche. Oral presentation.
Tissue Engineering International and regenerative Medicine Society (TERMIS) congress. Genova (Italy) 10-13 June 2014, Italy
- Amniotic fluid stem cells: a promising tool in regenerative medicine. Invited talk.
Tecnobionet, Genova (Italy) – June 26, 2013
- From the bench to the clinic site: the regenerative medicine. Invited talk.
State of the art on stem cells of neonatal sources. Martellago (Italy) - May 25, 2013
- Federation of american society for experimental biology (FASEB). Oral presentation
Amniotic fluid and muscle regeneration in HSA-Cre Smn f7/f7 mice. Lucca August 2013.

Review and event organization activity:

- – Reviewer for international journals : Stem Cells, PlosOne, Stem Cells Translational Medicine.
- – Editorial Board Member of “Tissue engineering and Regenerative Medicine“ Frontiers
- – Organiser of the National day of research for Secondary Schools (40 Italian Universities joint together in one single day) (2012-2013-2014-2015-2016)

Projects

- Research project, actively involved: Gene therapy approach using embryonic and fetal stem cells isolated from chorionic villi and amniotic fluid. Fondazione Città della Speranza. 2004- 2006. Publications: Chiavegato A et al 2006; De Coppi P et al 2007.
- Research project, actively involved: Cell therapy for muscle dystrophies: delivery of myogenic precursor cells and amniotic stem cells via polymeric scaffolds. Telethon 2007-2008. Publication: Rossi CA et al, 2011.
- Research project, actively involved: Tissue Regeneration Using Cells From Different Origins. Comparison Between CKit+ And Proliferin/CD133+ Cells in Regenerative Medicine. Fondazione Città della Speranza. 2007-2010 240.000 euro. Publication: Pozzobon M et al, 2009; Pozzobon M et al, 2010; Bollini S et al. 2011.
- Research project, actively involved: Multipotentiality of fetal stem cells in a mouse model of Spinal Muscular Atrophy. Excellence Project Fondazione Cassa di Risparmio di Padova e Rovigo 2009- 2011. Publication: Piccoli M et al, 2012, co-corresponding author.
- Research projects: co-responsible and principal investigator Single-cell multiplex RealTime PCR as a specific tool for foetal and adult stem cells characterization and a tissue engineering approach for diaphragm repair in a congenital diaphragmatic hernia mouse model. Call for Pediatric Research. Fondazione Cassa di Risparmio di Padova e Rovigo. 2013- 2016. Publication: Franzin C et al 2013, corresponding author.
- Research projects: actively involved Single fiber transcriptomics to reveal the contribution of skeletal muscle to the SMA pathogenesis. Association Musculaire Francaise (AFM). 2013-2015.
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