



UNIVERSITÀ DEGLI STUDI DI MILANO  
DEPARTMENT OF BIOMEDICAL SCIENCES FOR HEALTH

BIOGRAPHICAL SKETCH

Name	
<b>Giuseppe Peretti</b>	
Position Title	
Professore Ordinario (Full Professor) SSD: MED/33 – Malattie dell' Apparato Locomotore	
Education	
M.D. Degree (1993) Italian National Board (1994) Specialization in Orthopaedics and Traumatology (1999) University Master in Pediatric Orthopedics and Traumatology (2001)	
Employment	
<p><i>Director</i> of the Residency Program in Orthopaedics and Traumatology, University of Milan (from 2015-2016)</p> <p><i>Director</i> of the Unit Orthopaedics and Traumatology 4; Head of the “Equipe Universitaria di Ortopedia Rigenerativa e Ricostruttiva” (EUORR) – University Equipe of Regenerative and Reconstructive Orthopaedics”, IRCCS Istituto Ortopedico Galeazzi, Milan, Italy;</p> <p><i>Professor</i> by the School of Specialization in Science, Technique and Teaching of Sports, School of Exercise Sciences, University of Milan, in the course “Physiopathology and biological bases of the rehabilitation to the sport activity” (from 2009-2010)</p> <p><i>Professor</i> by the School of Specialization in Science of the Physic Activity for the Wellness, University of Milan, in the course “Pathophysiology and Medical Techniques Applied to Preventive and Adapted Physical Activity” (from 2014-2015)</p> <p>He is Faculty Member of the PhD Research Program “Integrative Biomedical Research” (<i>already PhD Research Program “Physical Activity and Sports”</i> from 2006);</p> <p><i>Professor</i> by the Residency Program in Orthopaedic and Traumatology, University of Milan, in the course</p>	



“Disorders of the locomotor system 1” (from 2009-2010);

Professor by the Medical School, University of Milan, in the course “Orthopaedic and Traumatology” (from 2012-2013);

Tutor by the Residency Program in Rheumatology, University of Milan, at Rheumatology Seminars in the course “Orthopaedic Therapy of Rheumatic Diseases” (from 2002-2003);

#### Selected publications

1. Manfredi AA, Baldini M, Camera M, Baldissera E, Brambilla M, **Peretti GM**, Maseri A, Rovere-Querini P, Tremoli E, Sabbadini MG, Maugeri N. Anti-TNF $\alpha$  agents curb platelet activation in patients with rheumatoid arthritis. *Ann Rheum Dis.* 2016 Jan 27. pii: annrheumdis-2015-208442. doi: 10.1136/annrheumdis-2015-208442. [Epub ahead of print] **IF: 10.377**
2. Gobbi A, Scotti C, Karnatzikos G, Mudhigere A, Castro M, **Peretti GM**. One-step surgery with multipotent stem cells and Hyaluronan-based scaffold for the treatment of full-thickness chondral defects of the knee in patients older than 45 years. *Knee Surg Sports Traumatol Arthrosc.* 2016 Jan 14. [Epub ahead of print] **IF: 3.053**
3. Scotti C, Gobbi A, Karnatzikos G, Martin I, Shimomura K, Lane JG, **Peretti GM**, Nakamura N. Cartilage Repair in the Inflamed Joint: Considerations for Biological Augmentation Toward Tissue Regeneration. *Tissue Eng Part B Rev.* 2015 Dec 17. [Epub ahead of print] **IF: 4.448**
4. Gobbi A, Scotti C, Lane JG, **Peretti GM**. Fresh osteochondral allografts in the knee: only a salvage procedure? *Ann Transl Med.* 2015 Jul;3(12):164. doi: 10.3978/j.issn.2305-5839.2015.06.19 **IF: 3.93**
5. de Girolamo L, Niada S, Arrigoni E, Di Giancamillo A, Domeneghini C, Dadsetan M, Yaszemski MJ, Gastaldi D, Vena P, Taffetani M, Zerbi A, Sansone V, **Peretti GM**, Brini AT. Repair of osteochondral defects in the minipig model by OPF hydrogel loaded with adipose-derived mesenchymal stem cells. *Regen Med.* 2015 Mar;10(2):135-51. doi: 10.2217/rme.14.77
6. Marmotti A., Rossi R., Castoldi F., Roveda E., Michielon G., Peretti G.M. PRP and articular cartilage: a clinical update. Accepted for publication 2015 in: *BioMed Research International (formerly titled Journal of Biomedicine and Biotechnology)*. In press
7. Lopa S., Piraino F., Kemp R.J., Di Caro C., Lovati A.B., Di Giancamillo A., Moroni L, **Peretti G.M.**, Rasponi M., Moretti M. Fabrication of multi-well chips for spheroid cultures and implantable constructs through rapid prototyping techniques. *Biotechnol Bioeng.* 2015 Feb 10. doi: 10.1002/bit.25557. [Epub ahead of print]



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8. Stanco D., Viganò M., Perucca Orfei C., Di Giancamillo A., **Peretti G.M.**, Lanfranchi L, de Girolamo L. Multidifferentiation potential of human mesenchymal stem cells from adipose tissue and hamstring tendons for musculoskeletal cell-based therapy. *Regen Med*. 2015 Jan 7:1-15. [Epub ahead of print]
9. Deponti D., Giancamillo A.D., Scotti C., **Peretti G.M.**, Martin I. Animal models for meniscus repair and regeneration. *J Tissue Eng Regen Med*. 2015 May;9(5):512-27. doi: 10.1002/term.1760. Epub 2013 May 27
10. Sosio C., Di Giancamillo A., Deponti D., Gervaso F., Scalera F., Melato M., Campagnol M., Boschetti F., Nonis A., Domeneghini C., Sannino A., **Peretti G.M.** Osteochondral repair by a novel interconnecting collagen-hydroxyapatite substitute: a large-animal study. *Tissue Eng Part A*. 2015 Feb;21(3-4):704-15. doi: 10.1089/ten.TEA.2014.0129. Epub 2014 Nov 21
11. Marmotti A, de Girolamo L, Bonasia DE, Bruzzone M, Mattia S, Rossi R, Montaruli A, Dettoni F, Castoldi F, **Peretti G.M.** Bone marrow derived stem cells in joint and bone diseases: a concise review. *Int Orthop*. 2014 Sep;38(9):1787-801. doi: 10.1007/s00264-014-2445-4. Epub 2014 Jul 9
12. Di Giancamillo A, Deponti D, Addis A, Domeneghini C, **Peretti GM.** Meniscus maturation in the swine model: changes occurring along with anterior to posterior and medial to lateral aspect during growth. *J Cell Mol Med*. 2014 Sep 12. doi: 10.1111/jcmm.12367. [Epub ahead of print]
13. Noviello M., Tedesco FS., Bondanza A., Tonlorenzi R., Rosaria Carbone M., Gerli MF., Markt S., Napolitano S., Cicalese MP., Ciceri F., **Peretti G.**, Cossu G., Bonini C. Inflammation Converts Human Mesoangioblasts Into Targets of Alloreactive Immune Responses: Implications for Allogeneic Cell Therapy of DMD. *Mol Ther*. 2014 Apr 16. doi: 10.1038/mt.2014.62. [Epub ahead of print]
14. Ciampi P., Scotti C., Nonis A., Vitali M., Di Serio C., Peretti G.M., Frascini G. The benefit of synthetic vs biological patch augmentation in the repair of postero-superior massive rotator cuff tears: a 3-year follow-up study. *Am J Sports Med*. 2014 May;42(5):1169-75. doi: 10.1177/0363546514525592. Epub 2014 Mar 14
15. Deponti D., Di Giancamillo A., Gervaso F., Domenicucci M., Domeneghini C., Sannino A., **Peretti G.M.** Collagen scaffold for cartilage tissue engineering: the benefit of fibrin glue and the proper culture time in an infant cartilage model *Tissue Eng Part A*. 2014 Mar;20(5-6):1113-26. doi: 10.1089/ten.TEA.2013.0171. Epub 2013 Dec 13
16. Antinolfi P., Innocenti B., Caraffa A., **Peretti G.M.**, Cerulli G. Post-operative blood loss in total knee arthroplasty: knee flexion versus pharmacological techniques. *Knee Surg Sports Traumatol Arthrosc*. 2013 Sep 29. [Epub ahead of print]
17. [Scotti C.](#), [Hirschmann M.T.](#), [Antinolfi .P.](#), [Martin I.](#), **Peretti G.M.** Meniscus repair and regeneration: review on current methods and research potential. [Eur Cell Mater](#). 2013 Sep 23;26:150-70



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18. [Marmotti A.](#), [Bruzzone M.](#), [Bonasia D.E.](#), [Castoldi F.](#), [Von Degerfeld M.M.](#), [Bignardi C.](#), [Mattia S.](#), [Maiello A.](#), [Rossi R.](#), [Peretti G.M.](#). Autologous cartilage fragments in a composite scaffold for one stage osteochondral repair in a goat model. *Eur Cell Mater*. 2013 Aug 4;26:15-31; discussion 31-2
19. [Deponti D.](#), [Giancamillo A.D.](#), [Scotti C.](#), [Peretti G.M.](#), [Martin I.](#) Animal models for meniscus repair and regeneration. *J Tissue Eng Regen Med*. 2013 May 27. doi: 10.1002/term.1760. [Epub ahead of print]
20. Paladini F., Pollini M., Deponti D., Di Giancamillo A., **Peretti G.M.**, Sannino A. [Effect of silver nanocoatings on catheters for haemodialysis in terms of cell viability, proliferation, morphology and antibacterial activity.](#) *J Mater Sci Mater Med*. 2013 Apr;24(4):1105-12. 2013 Jan 31. [Epub ahead of print]
21. [Marmotti A.](#), [Bonasia D.E.](#), [Bruzzone M.](#), [Rossi R.](#), [Castoldi F.](#), [Collo G.](#), [Realmuto C.](#), [Tarella C.](#), [Peretti G.M.](#) Human cartilage fragments in a composite scaffold for single-stage cartilage repair: an in vitro study of the chondrocyte migration and the influence of TGF- $\beta$ 1 and G-CSF. *Knee Surg Sports Traumatol Arthrosc*. 2012 Nov 10. [Epub ahead of print]
22. Marmotti A., Bruzzone M., Bonasia D.E., Castoldi F., Rossi R., Piras L., Maiello A., Realmuto C., **Peretti G.M.** [One-step osteochondral repair with cartilage fragments in a composite scaffold.](#) *Knee Surg Sports Traumatol Arthrosc*. 2012 Dec;20(12):2590-601. Epub 2012 Feb 21
23. Deponti D., Di Giancamillo A., Mangiavini L., Pozzi A., Fraschini G., Sosio C., Domeneghini C., **Peretti G.M.** [Fibrin-based model for cartilage regeneration: tissue maturation from in vitro to in vivo.](#) *Tissue Eng Part A*. 2012 Jun;18(11-12):1109-22. Epub 2012 Mar 19
24. Scotti C., Osmokrovic A., Wolf F., Miot S., **Peretti G.M.**, Barbero A., Martin I. [Response of human engineered cartilage based on articular or nasal chondrocytes to il-1 \$\beta\$  and low oxygen.](#) *Tissue Eng Part A*. 2012 Feb;18(3-4):362-72. Epub 2011 Sep 8
25. [Ciampi P.](#), [Scotti C.](#), [Gerevini S.](#), [De Cobelli E.](#), [Chiesa R.](#), [Fraschini G.](#), [Peretti G.M.](#) Surgical treatment of thoracic outlet syndrome in young adults: single centre experience with minimum three-year follow-up. *Int Orthop*. 2011 Aug;35(8):1179-86. Epub 2010 Dec 24

Personal web site

Work in progress