

Curriculum Vitae – Chiara Giannasi

Personal data

Name and surname: Chiara Giannasi
Date and place of birth: October 5th 1984, Correggio (RE)
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Education and training

- March 2009: Master's degree in Biology Applied to Research in Biomedicine, Università degli Studi di Milano (110/110 cum laude)
- December 2006: Bachelor's degree in Biological Sciences, Università degli Studi di Milano (106/110)

Research and Professional experience

- November 2014-today: PhD student in Oral Sciences under the supervision of prof. Brini at Department of Biomedical, Surgical and Dental Sciences (Università degli Studi di Milano) and IRCCS Galeazzi Orthopaedic Institute. Research activity mainly focused on investigating the regenerative potential of MSCs isolated from different sources and on evaluating *in vitro* the effects of anti-resorptive drugs on human primary cell cultures.
- July 2014-November 2014: Research fellow in prof. Brini's lab at IRCCS Galeazzi Orthopaedic Institute. Research activity focused on investigating MSC features and applications in cell therapy.
- October 2013- November 2014: Research fellow in prof. Brini's lab at Department of Biomedical, Surgical and Dental Sciences (Università degli Studi di Milano). Research focused on isolation and functional characterization of extracellular vesicle derived from MSCs.

List of Publications

h-index: 2 (Scopus)

- Ferreira LMJ, Niada S, Monici F, Garbieri A, Giannasi C, Brini AT. Assessment of autologous and allogeneic equine Adipose-derived Stem Cell therapeutic use in musculo-skeletal tissues diseases: a pilot study. *Journal of Sports Traumatology*.
- Ceci C, Niada S, Del Fabbro M, Lolato A, Taschieri S, Giannasi C, Brini AT. Does Freeze-Thawing Influence the Effects of Platelet Concentrates? An In Vitro Study on Human Adipose-Derived Stem Cells. *J Craniofac Surg*. 2016 Mar;27(2):398-404.
- Brini AT, Coccè V, Ferreira LM, Giannasi C, Cossellu G, Gianni AB, Angiero F, Bonomi A, Pascucci L, Falchetti ML, Ciusani E, Bondiolotti G, Sisto F, Alessandri G, Pessina A, Farronato G. Cell-mediated drug delivery by gingival interdental papilla mesenchymal stromal cells (GinPa-MSCs) loaded with paclitaxel. *Expert Opin Drug Deliv*. 2016 Apr 5:1-10.
- Brini AT, Ceci C, Taschieri S, Niada S, Lolato A, Giannasi C, Mortellaro C, Del Fabbro M. Effect of an Activated Platelet Concentrate on Differentiated Cells Involved in Tissue Healing. *J Craniofac Surg*. 2016 May;27(3):656-61.
- Niada S, Giannasi C, Ferreira LM, Milani A, Arrigoni E, Brini AT. 17 β -estradiol differently affects osteogenic differentiation of mesenchymal stem/stromal cells from adipose tissue and bone marrow. *Differentiation*. 2016 Dec;92(5):291-297.

- Canciani E, Dellavia C, Ferreira LM, Giannasi C, Carmagnola D, Carrassi A, Brini AT. Human Adipose-Derived Stem Cells on Rapid Prototyped Three-Dimensional Hydroxyapatite/Beta-Tricalcium Phosphate Scaffold. *J Craniofac Surg*. 2016 May;27(3):727-32.
- Gualerzi A, Niada S, Giannasi C, Picciolini S, Morasso C, Vanna R, Rossella V, Masserini M, Bedoni M, Ciceri F, Bernardo ME, Brini AT, Gramatica F. Raman spectroscopy uncovers biochemical tissue-related features of extracellular vesicles from mesenchymal stromal cells. *Sci Rep*. 2017 Aug 29;7(1):9820.
- Giannasi C, Pagni G, Polenghi C, Niada S, Manfredi B, Brini AT, Rasperini G. Impact of dental implant surface modifications on adhesion and proliferation of primary human gingival keratinocytes and progenitor cells. Accepted by *Int J Periodontics Restorative Dent*.

Technical skills and competences

Primary cell isolation and culture, DNA and RNA isolation, PCR, RT-PCR, Western Blot, confocal microscopy, bioinformatic databases.

Teaching activities

Thesis revision and teaching activities in Dentistry and Orthodontics (Università degli Studi di Milano).

Presentations at national and international conferences

November 12-13 th 2014	27 th Annual Conference of Italian Association of Cell Cultures, Verona
November 14 th 2014	5 th International Satellite Symposium AICC-GISM, Verona <u>Poster presentation</u> : <i>BMSC and ASC response to 17 β-estradiol (E2)</i>
October 8-9 th 2015	GISM Annual Meeting 2015, Brescia <u>Poster presentation</u> : <i>Gingival papilla mesenchymal stromal cells and their potential role in clinical dentistry</i>
October 16-17 th 2015	ANTHEC 2015, Cremona
February 5-6 th 2016	XXIV Congresso Internazionale SIO 2016, Milano <u>Poster presentation</u> : <i>Mesenchymal Stem/Stromal Cells from Gingival Papilla (GinPa MSCs): a Novel Tool for Odontostomatological Regenerative Medicine</i>
May 13 th 2016	7 th Annual Meeting FIRST, Milano
October 20-21 st 2016	GISM Annual Meeting 2016, Brescia <u>Poster presentation</u> : <i>Monitoring oral and epithelial primary cells onto dental implants</i>
June 26-30 th 2017	TERMIS European Chapter Meeting 2017, Davos (Switzerland) <u>Poster presentation</u> : <i>The effect of conditioned medium from human Adipose-derived Stem Cells on Chondrocytes in vitro</i>
October 20 th 2017	GISM 2017 workshop Il Futuro Terapeutico delle Cellule Stromali Mesenchimali, Brescia
October 25-28 th 2017	38° Congresso Nazionale della Società Italiana di Farmacologia, Rimini <u>Poster presentation</u> : <i>Bisphosphonates modulate bone biomarkers in treated primary human osteoblasts</i>