

PERSONAL INFORMATION

Monia Orciani

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| Date of birth 03/08/1975 | Nationality Italian

WORK EXPERIENCE

- 15/07/2019-present: Associate Professor; SSD BIO/17- Histology (D.R. 1072, 17.10.2011)
Department of Clinical and Molecular Sciences
Università Politecnica delle Marche
- 04/04/2017- present National Abilitation for associate professor, SSD 05/F1- Applied Biology
18/11/2020- present National Abilitation to full professor, SSD 05/H2- Histology
- 13/04/2015- 13/04/2015 Confirmed researcher; SSD BIO/17- Histology
Department of Clinical and Molecular Sciences
Università Politecnica delle Marche
- 01/11/2011- 13/04/2015 Researcher to be confirmed; SSD BIO/17- Histology (D.R. 1072, 17.10.2011)
Department of Clinical and Molecular Sciences
Università Politecnica delle Marche
- 03/06/2011-01/11/2011 Postdoctoral reserach "Use of stem cells in regenerative medicine"
Department of Clinical and Molecular Sciences
Università Politecnica delle Marche
- 01/06/2010 – 31/05/2011 Temporary research fellow "Stem cells derived from skin; identification and clinical perspectives in regenerative therapy"
Department of Experimental and Clinical Medicine
Università Politecnica delle Marche
- 01/11/2003 – 15/04/2010 Postdoctoral reserach "Leucocitary ectoenzymes and thei role in the pathogenesis, diagnosis and therapy of selected human pathologies"
Department of Molecular Pathology and Innovative Therapies
Università Politecnica delle Marche
- 16/07/2001 - 15/07/2003 Temporary research fellow "Monoclonal antibodies for in vivo therapies"
Institute of Biology and genetics
Università Politecnica delle Marche
- 01/05/2000 – 01/12/2000 Internship
Institute of Biology, Genetics and Biochemistry
Faculty of Medicine, Torino
- 01/09/1998 – 01/03/2000 Graduate student
Institute of Biology and Genetics
Università Politecnica delle Marche

EDUCATION AND TRAINING

23/01/2004	PhD in Biomedic Biotechnologies Università Politecnica delle Marche
2001	Qualification to the profession of Biologist Università Politecnica delle Marche
10/03/2000	Degree in Biological sciences 110/110 (with honors) Università Politecnica delle Marche

PERSONAL SKILLS

Mother tongue Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

LanguageCert Level 2 Certificate in ESOL International (Speaking) (Expert C1), 20 Jan 2023

Digital skills ▪ good command of office suite

TEACHING ACTIVITIES

a.a. 2022/23: actually	Histology, Degree in Medicine and Surgery (MedTech, International Course), Università Politecnica delle Marche
a.a. 2019/20: actually	Histology, Bachelor Degree in Dental Hygienists, Università Politecnica delle Marche
a.a. dal 2017/18- actually:	PTA (professionalizing training activity) Tutor, Degree in Medicine
a.a. dal 2017/18- actually:	Lessons for PhD in Human Health and Biomedical Sciences
a.a. dal 2022/23-actually:	Histology, Bachelor Degree in Obstetrics, Università Politecnica delle Marche
a.a. dal 2016/17-2018/19; 2022/23:	Histology, Bachelor Degree in Radiology, Università Politecnica delle Marche
a.a. 2019/20-21/22:	Histology, Degree in Odontology, Università Politecnica delle Marche
a.a. dal 2016/17- 2017/18:	English Teacher, Bachelor Degree in Radiology, Università Politecnica delle Marche
a.a. dal 2018/19-2019/20:	Histology, Bachelor Degree in Physiotherapist, Università Politecnica delle Marche
a.a.dal 2017/18-2018/19:	Histology, Bachelor Degree in Dieticians, Università Politecnica delle Marche
a.a.dal 2016/17-21/22:	Histology, Bachelor Degree in Nursing, Università Politecnica delle Marche, Sede Fermo
a.a. dal 2012/13-2018/19:	Histology, Bachelor Degree in Laboratory technicians, Università Politecnica delle Marche
a.a.dal 2012/13-in corso:	Histology, Bachelor Degree in Nursing, Università Politecnica delle Marche, Sede Macerata
a.a dal 2013/14 al 2014/15:	Embriology, Postgraduate Course of Plastic Surgery, Università Politecnica delle Marche
a.a. dal 2014/15 al 2016/17:	Methodology in Histology and Istochimistry, Bachelor Degree in Laboratory technicians, Università Politecnica delle Marche

TRAINING ACTIVITIES

Individual Evaluator - EIC Pathfinder Open 2024- European Commission, Research Executive Agency, REA/A/05

Quality assurance referent for the degree Medicine and Surgery (MedTech, International Course), Università Politecnica delle Marche (2022-2024)

Tutor of Dott.ssa Mariangela Di Vincenzo, Human Health Doctorate, XXXVI cycle, Università Politecnica delle Marche

Tutor of Dott.ssa Miriam Caffarini, Human Health Doctorate, XXXI cycle, Università Politecnica delle Marche

Supervisor/co-supervisor for Degree Thesis and for Doctorate thesis

Member of Section Topics Board Editors for 'Molecular Immunology', International Journal of Molecular Sciences (I.F. 6.208), Associated Editor in "stem Cell Research" of Frontiers in Cell and Developmental Biology (I.F. 5.5).

Reviewer for international journals, such as "Acta Biomaterialia", "International Journal Molecular Sciences", "Cell Tissue Research", "Experimental Journal Dermatology", "Tissue Engineering" etc..

RESEARCH PROJECTS

ImmunoTools Award: winner of IT-FlowSiAM-Award 2024. "Searching for new targets for Alzheimer's disease"

Research Grant by Boehringer Ingelheim, 2022. Role of nintedanib on mesenchymal stem cells derived from patients with idiopathic pulmonary fibrosis (IPF). PI: Prof. MONIA ORCIANI and MARTINA BONIFAZI.

PRIN, 2022. the effects of cortisol excess on neurogenesis in Alzheimer's disease: a mandatory pathway through stem cells (FORGETFUL) PI: Prof. MONIA ORCIANI. 2022XF7XZF

Fondo di Finanziamento Attività di Base di Ricerca (FFABR) – FFO, 2017. "Inflammation and stem cells: new associations" PI: Prof. MONIA ORCIANI.

PI for Strategic Projects of the University, 2017. Role of stem cells in the detrimental wound healing of patients affected by Cushing syndrome 10/01/2017- 09/10/2019

PRIN, 2017. The impact of glucocorticoid circadian rhythm disruption on cardiovascular risk and immune dysfunction: pathophysiology and novel biomarkers of glucocorticoid exposure in hypercortisolism and hypocortisolism" CHRONO-IMAGE. PI: Prof. PIVONELLO ROSARIO. 2017HRTZYA_005

FIRB, 2011. Molecular markers for the diagnosis and prognosis and development of new therapeutic strategies for adrenal adenocarcinoma. PI: Prof. DI PRIMIO ROBERTO. RBAP1153LS_004

FIRB, 2010. Scaffold for the regeneration of skeletal tissues: preclinical evaluation of their biocompatibility and efficacy. PI: Prof. GIARDINO ROBERTO. RBAP10MLK7_003

PRIN, 2010. Study of the interaction of glucidic metabolism and bone for their cardio-metabolic characterization in young overweight. PI: Prof. DI PRIMIO ROBERTO. 201098WFZ2_006

FIRB 2001. Leucocitary ectoenzymes and their involvement in the pathogenesis, diagnosis and therapies of selected human pathologies. PI: Prof. MALAVASI FABIO. RBNE01N4Z9_003

Research grants from the Università Politecnica delle Marche from 2011-2023

AWARDS

Award "Prof Mario Arturo La Fauci" for best poster "Propagation, Expansion And Multilineage Differentiation Of Human Mesenchymal Stem Cells Derived From Dermal Progenitors" di M. Orciani, E. Salvolini, O. Trubiani, GM. Di Benedetto, R. Di Primio, XXXII Congresso Nazionale Della Società Italiana Di Istochimica, Messina 2007

COLLABORATIONS

Prof Maria A. Mariggiò e Prof S. Guarnieri (Università Chieti- Pescara)
 Prof Fabio Malavasi e Dott.ssa Ferrero (Università di Torino)
 Prof Guido Cavaletti e Dott.ssa Miloso (Università Milano- Bicocca)
 Prof Anto De Pol e Dr Gianluca Carnevali (Università di Modena- Reggio Emilia)
 Prof Shannon Davis, (Università del South Carolina)
 Nanjing University of Chinese Medicine, Cina, nell'ambito del progetto "China and Europe Taking Care of Healthcare Sector "(CHETCH)
 Prof Virginia Tirino (Università della Campania Luigi Vanvitelli)

RESEARCH PRODUCTS

co-author of 4 nucleotidic sequences in GenBank (accession number AY555148.1, AY622999.1, AY623000.1, AY623001.1)

PUBLICATIONS

1. Pisciotta A, Di Tinco R, Bertani G, Orlandi G, Bertoni L, Pignatti E, **Orciani M**, Sena P, Bertacchini J, Salvarani C, Carnevale G. Human dental pulp stem cells (hDPSCs) promote the lipofibroblast transition in the early stage of a fibro-inflammatory process. *Front Cell Dev Biol.* 2023;11:1196023.
2. Preziuso A, Piccirillo S, Cerqueni G, Serfilippi T, Terenzi V, Vinciguerra A, Orciani M, Amoroso S, Magi S, Lariccia V. Exploring the Role of NCX1 and NCX3 in an In Vitro Model of Metabolism Impairment: Potential Neuroprotective Targets for Alzheimer's Disease. *Biology (Basel).* 2023;12:1005.
3. Di Vincenzo M, Diotallevi F, Piccirillo S, Carnevale G, Offidani A, Campanati A, **Orciani M**. miRNAs, Mesenchymal Stromal Cells and Major Neoplastic and Inflammatory Skin Diseases: A Page Being Written: A Systematic Review. *Int J Mol Sci.* 2023;24:8502.
4. Di Vincenzo M, **Orciani M**. Special Issue "The Role of Mesenchymal Stem Cells on Inflammatory and Fibrotic Diseases". *Int J Mol Sci.* 2023;24:8578.
5. Di Vincenzo M, Martino M, Lariccia V, Giancola G, Licini C, Di Benedetto G, Arnaldi G, **Orciani M**. Mesenchymal Stem Cells Exposed to Persistently High Glucocorticoid Levels Develop Insulin-Resistance and Altered Lipolysis: A Promising In Vitro Model to Study Cushing's Syndrome. *Front Endocrinol (Lausanne).* 2022;13:816229.
6. Rodrigues T, Piccirillo S, Magi S, Preziuso A, Dos Santos Ramos V, Serfilippi T, **Orciani M**, Maciel Palacio Alvarez M, Luis Dos Santos Tersariol I, Amoroso S, Lariccia V. Control of Ca²⁺ and metabolic homeostasis by the Na⁺/Ca²⁺ exchangers (NCXs) in health and disease. *Biochem Pharmacol.* 2022;203:115163.
7. Di Vincenzo M, De Quattro C, Rossato M, Lazzarini R, Delli Carpini G, Ciavattini A, **Orciani M**. A Possible Cause for the Differential Expression of a Subset of miRNAs in Mesenchymal Stem Cells Derived from Myometrium and Leiomyoma. *Genes (Basel).* 2022;13:1106.
8. Piccirillo S, Magi S, Preziuso A, Serfilippi T, Cerqueni G, **Orciani M**, Amoroso S, Lariccia V. The Hidden Notes of Redox Balance in Neurodegenerative Diseases. *Antioxidants (Basel).* 2022;11:1456.
9. Campanati A, **Orciani M**, Marani A, Di Vincenzo M, Magi S, Gregoriou S, Diotallevi F, Martina E, Radi G, Offidani A. Mesenchymal Stem Cells Profile in Adult Atopic Dermatitis and Effect of IL4-IL13 Inflammatory Pathway Inhibition In Vivo: Prospective Case-Control Study. *J Clin Med.* 2022;11:4759.
10. Diotallevi F, Di Vincenzo M, Martina E, Radi G, Lariccia V, Offidani A, **Orciani M**, Campanati A. Mesenchymal Stem Cells and Psoriasis: Systematic Review. *Int J Mol Sci.* 2022;23:15080.

11. Magi S, Preziuso A, Piccirillo S, Giampieri F, Cianciosi D, **Orciani M**, Amoroso S. The Neuroprotective Effect of L-Carnitine against Glyceraldehyde-Induced Metabolic Impairment: Possible Implications in Alzheimer's Disease. *Cells*. 2021;10:2109.
12. Attia H, Finocchi F, **Orciani M**, Mehdi M, Zidi Jrah I, Lazzarini R, Balercia G, Mattioli Belmonte M. Pro-inflammatory cytokines and microRNAs in male infertility. *Mol Biol Rep*. 2021;48:5935-5942.
13. Campanati A, Di Vincenzo M, Radi G, Rizzetto G, Carnevale G, Marchi S, **Orciani M**, Offidani A. The less-known face of dupilumab: its role in mesenchymal stem cells by interleukin-13 modulation. *Br J Dermatol*. 2021;185:217-219.
14. Iezzi I, Lazzarini R, Cerqueni G, Hosein A, Rossato M, Licini C, De Quattro C, **Orciani M**, Belmonte MM. MicroRNA Profiling in Mesenchymal Stromal Cells: the Tissue Source as the Missing Piece in the Puzzle of Ageing. *Stem Cell Rev Rep*. 2021;17:1014-1026.
15. Campanati A, Caffarini M, Diotallevi F, Radi G, Lucarini G, Di Vincenzo M, **Orciani M**, Offidani A. The efficacy of in vivo administration of Apremilast on mesenchymal stem cells derived from psoriatic patients. *Inflamm Res*. 2021;70:79-87.
16. Bonifazi M, Di Vincenzo M, Caffarini M, Mei F, Salati M, Zuccatosta L, Refai M, Mattioli-Belmonte M, Gasparini S, **Orciani M**. How the Pathological Microenvironment Affects the Behavior of Mesenchymal Stem Cells in the Idiopathic Pulmonary Fibrosis. *Int J Mol Sci*. 2020;21:8140.
17. Lazzarini R, Caffarini M, Delli Carpini G, Ciavattini A, Di Primio R, **Orciani M**. From 2646 to 15: differentially regulated microRNAs between progenitors from normal myometrium and leiomyoma. *Am J Obstet Gynecol*. 2020;222:596.e1-596.e9.
18. Campanati A, Bobyr I, Sorgentoni G, Diotallevi F, Caffarini M, Pellegrino P, Di Primio R, Offidani A, **Orciani M**. Mesenchymal stem cell profile in actinic keratosis and its modification after topical application of ingenol mebutate. *J Eur Acad Dermatol Venereol*. 2020;34:e148-e149.
19. Caffarini M, Armeni T, Pellegrino P, Cianfruglia L, Martino M, Offidani A, Di Benedetto G, Arnaldi G, Campanati A, **Orciani M**. Cushing Syndrome: The Role of MSCs in Wound Healing, Immunosuppression, Comorbidities, and Antioxidant Imbalance. *Front Cell Dev Biol*. 2019;7:227.
20. Morroni G, Simonetti O, Brenciani A, Brescini L, Kamysz W, Kamysz E, Neubauer D, Caffarini M, **Orciani M**, Giovanetti E, Offidani A, Giacometti A, Cirioni O. In vitro activity of Protegrin-1, alone and in combination with clinically useful antibiotics, against *Acinetobacter baumannii* strains isolated from surgical wounds. *Med Microbiol Immunol*. 2019; 208(6):877-883.
21. **Orciani M**, Caffarini M, Torresetti M, Campanati A, Parodi P, Di Benedetto G, Di Primio R. Breast Implant Texturization Does Not Affect the Crosstalk Between MSC and ALCL Cells. *Inflammation*. 2019;42:721-730.
22. Lazzarini R, Guarnieri S, Fulgenzi G, Mariggiò MA, Graciotti L, Martiniani M, **Orciani M**, Specchia N, Di Primio R. Mesenchymal Stem Cells from Nucleus Pulposus and Neural Differentiation Potential: a Continuous Challenge. *J Mol Neurosci*. 2019;67:111-124.
23. Lazzarini R, Caffarini M, Tang H, Cerqueni G, Pellegrino P, Monsurrò V, Di Primio R, **Orciani M**. The senescent status of endothelial cells affects proliferation, inflammatory profile and SOX2 expression in bone marrow-derived mesenchymal stem cells. *Exp Gerontol*. 2019; 120:21-27.
24. **Orciani M**, Caffarini M, Lazzarini R, Delli Carpini G, Tsioglou D, Di Primio R, Ciavattini A. Mesenchymal Stem Cells from Cervix and Age: New Insights into CIN Regression Rate. *Oxid Med Cell Longev*. 2018;2018:1545784.
25. Cirioni O, Simonetti O, Morroni G, Brescini L, Kamysz W, Kamysz E, Orlando F, Pierpaoli E, Caffarini M, **Orciani M**, Agostinelli C, Offidani A, Provinciali M, Giacometti A. Efficacy of pexiganan combination with tigecycline in a mouse model of *Pseudomonas aeruginosa* sepsis. *Curr Top Med Chem*. 2018;18:2127-2132.
26. Campanati A, **Orciani M**, Sorgentoni G, Consales V, Offidani A, Di Primio R. Pathogenetic Characteristics of Mesenchymal Stem Cells in Hidradenitis Suppurativa. *JAMA Dermatol*. 2018;154:1184-1190. **Co-first author**
27. Caffarini M, **Orciani M**, Trementino L, Di Primio R, Arnaldi G. Pituitary adenomas, stem cells, and cancer stem cells: what's new? *J Endocrinol Invest*. 2018;41:745-753. **Co-first author**
28. Veronesi F, Borsari V, Sartori M, **Orciani M**, Mattioli-Belmonte M, Fini M. The use of cell conditioned medium for musculoskeletal tissue regeneration. *J Cell Physiol*. 2018;233:4423-4442.
29. Pisciotta A, Bertoni L, Riccio M, Mapelli J, Bigiani A, La Noce M, **Orciani M**, de Pol A, Carnevale G. Use of a 3D Floating Sphere Culture System to Maintain the Neural Crest-Related Properties of Human Dental Pulp Stem Cells. *Front Physiol*. 2018;9:547.
30. Arena S, Salati M, Sorgentoni G, Barbisan F, **Orciani M**. Characterization of tumor-derived mesenchymal stem cells potentially differentiating into cancer-associated fibroblasts in lung cancer. *Clin Transl Oncol*. 2018;20:1582-1591.

31. **Orciani M**, Caffarini M, Biagini A, Lucarini G, Delli Carpini G, Berretta A, Di Primio R, Ciavattini A. Chronic Inflammation May Enhance Leiomyoma Development by the Involvement of Progenitor Cells. *Stem Cells Int.* 2018;2018:1716246.
32. Campanati A, **Orciani M**, Sorgentoni G, Consales V, Mattioli Belmonte M, Di Primio R, Offidani A. Indirect co-cultures of healthy mesenchymal stem cells restore the physiological phenotypical profile of psoriatic mesenchymal stem cells. *Clin Exp Immunol.* 2018; 193:234-240. **Co-first author**
33. Campanati A, Consales V, **Orciani M**, Giuliodori K, Ganzetti G, Bobyr I, Sorgentoni G, di Primio R, Offidani A. Role of mesenchymal stem cells in the pathogenesis of psoriasis: current perspectives. *Psoriasis (Auckl).* 2017;7:73-85.
34. **Orciani M**, Sorgentoni G, Olivieri F, Mattioli-Belmonte M, Di Benedetto G, Di Primio R. Inflammation by Breast Implants and Adenocarcinoma: Not Always a Bad Company. *Clin Breast Cancer.* 2017;17:286-292.
35. **Orciani M**, Caffarini M, Sorgentoni G, Ricciuti RA, Arnaldi G, Di Primio R. Effects of somatostatin and its analogues on progenitor mesenchymal cells isolated from human pituitary adenomas. *Pituitary.* 2017; 20:251-260.
36. Campanati A, **Orciani M**, Lazzarini R, Ganzetti G, Consales V, Sorgentoni G, Di Primio R, Offidani A. TNF- α inhibitors reduce the pathological Th(1) -Th(17) /Th(2) imbalance in cutaneous mesenchymal stem cells of psoriasis patients. *Exp Dermatol.* 2017; 26:319-324. **Co-first author**
37. Campanati A, **Orciani M**, Ganzetti G, Consales V, Di Primio R, Offidani A. The effect of etanercept on vascular endothelial growth factor production by cutaneous mesenchymal stem cells from patients with psoriasis. *J Int Med Res.* 2016; ;44:6-9.
38. **Orciani M**, Campanati A, Caffarini M, Ganzetti G, Consales V, Lucarini G, Offidani A, Di Primio R. Th(1) -Th(17) and Th(2) imbalance in Mesenchymal Stem Cells of adult patients with atopic dermatitis: at the origin of the problem. *Br J Dermatol.* 2017; 176(6):1569-1576.
39. Dicarlo M, Bianchi N, Ferretti C, **Orciani M**, Di Primio R, Mattioli-Belmonte M. Evidence Supporting a Paracrine Effect of IGF-1/VEGF on Human Mesenchymal Stromal Cell Commitment. *Cells Tissues Organs.* 2016;201:333-41.
40. **Orciani M**, Sorgentoni G, Torresetti M, Di Primio R, Di Benedetto G. MSCs and inflammation: new insights into the potential association between ALCL and breast implants. *Breast Cancer Res Treat.* 2016;156:65-72.
41. Lazzarini R, Sorgentoni G, Caffarini M, Sayeed MA, Olivieri F, Di Primio R, **Orciani M**. New miRNAs network in human mesenchymal stem cells derived from skin and amniotic fluid. *Int J Immunopathol Pharmacol.* 2016;29:523-8.
42. Mattioli-Belmonte M, Teti G, Salvatore V, Focaroli S, **Orciani M**, Dicarlo M, Fini M, Orsini G, Di Primio R, Falconi M. Stem cell origin differently affects bone tissue engineering strategies. *Front Physiol.* 2015;6:266.
43. Olivieri F, Albertini MC, **Orciani M**, Ceka A, Cricca M, Procopio AD, Bonafè M. DNA damage response (DDR) and senescence: shuttled inflamma-miRNAs on the stage of inflamm-aging. *Oncotarget.* 2015;6:35509-21.
44. Mariotti C, Lazzarini R, Nicolai M, Saitta A, Orsini E, **Orciani M**, Di Primio R. Comparative study between amniotic-fluid mesenchymal stem cells and retinal pigmented epithelium (RPE) stem cells ability to differentiate towards RPE cells. *Cell Tissue Res.* 2015;362:21-31
45. Meregalli C, Carozzi VA, Sala B, Chiorazzi A, Canta A, Oggioni N, Rodriguez-Menendez V, Ballarini E, Ceresa C, Nicolini G, Crippa L, **Orciani M**, Cavaletti G, Marmiroli P. Bortezomib-induced peripheral neurotoxicity in human multiple myeloma-bearing mice. *J Biol Regul Homeost Agents.* 2015;29:115-24.
46. **Orciani M**, Shannon D, Appolloni G, Lazzarini R, Mattioli-Belmonte M, Ricciuti RA, Boscaro M, Di Primio R, Arnaldi G. Isolation and characterization of progenitor mesenchymal cells in human pituitary tumours. *Cancer Gene Therapy.* 2015;22:9-16
47. **Orciani M**, Bolletta E, Campanati A, Di Benedetto G, Di Primio R. Response to: The response of breast cancer cells to mesenchymal stem cells: a possible role of inflammation by breast implants. *Plast Reconstr Surg.* 2014;134:994e-996e.
48. Campanati A, **Orciani M**, Consales V, Lazzarini R, Ganzetti G, Di Benedetto G, Di Primio R, Offidani A. Characterization and profiling of immunomodulatory genes in resident mesenchymal stem cells reflect the Th1-Th17/Th2 imbalance of psoriasis. *Arch Dermatol Res.* 2014;306:915-920 **Co-first author**
49. Foudah D, Monfrini M, Donzelli E, Niada S, Brini AT, **Orciani M**, Tredici G, Miloso M. Expression of neural markers by undifferentiated mesenchymal-like stem cells from different sources. *J Immunol Res.* 2014;2014:987678.
50. Ferretti C, Vozzi G, Falconi M, **Orciani M**, Gesi M, Di Primio R, Mattioli-Belmonte M. Role of IGF1 and IGF1/VEGF on human mesenchymal stromal cells in bone healing: two sources and two fates. *Tissue Eng Part A.* 2014;20:2473-82.

51. Lazzarini R, Olivieri F, Ferretti C, Mattioli-Belmonte M, Di Primio R, **Orciani M**. mRNAs and miRNAs profiling of mesenchymal stem cells derived from amniotic fluid and skin: the double face of the coin. *Cell Tissue Res*. 2014;355:121-30.
52. Cecconi S, Mattioli-Belmonte M, Manzotti S, **Orciani M**, Piccioli A, Gigante A. Bone-derived titanium coating improves in vivo implant osseointegration in an experimental animal model. *J Biomed Mater Res B Appl Biomater*. 2014;102:303-10.
53. **Orciani M**, Lazzarini R, Scartozzi M, Bolletta E, Mattioli-Belmonte M, Scalise A, Di Benedetto G, Di Primio R. The response of breast cancer cells to mesenchymal stem cells: a possible role of inflammation by breast implants. *Plast Reconstr Surg*. 2013;132:899e-910e.
54. **Orciani M**, Di Primio R. Skin-derived mesenchymal stem cells: isolation, culture, and characterization. *Methods Mol Biol*. 2013;989:275-83.
55. Campanati A, **Orciani M**, Salvolini E, Lucarini G, Di Benedetto G, Di Primio R, Offidani A. Mesenchymal stem cells are involved in psoriasis pathogenesis. *Clinical Drug Investigation*. 2013; 33(S2):74-6
56. **Orciani M**, Svegliati S, Gorbi S, Spadoni T, Lazzarini R, Regoli F, Di Primio R, Gabrielli A. Alterations of ROS pathways in scleroderma begin at stem cell level. *J Biol Regul Homeost Agents*. 2013;27:211-24.
57. Orsini G, Mattioli-Belmonte M, **Orciani M**, Mazzoni A, Teti G, Falconi M, Putignano A, Breschi L. Expression of procollagen A1 type I induced by two different dentine bonding systems in human pulp fibroblasts. *European Journal of Inflammation*. 2013;11:559-64
58. Campanati A, **Orciani M**, Gorbi S, Regoli F, Di Primio R, Offidani A. Effect of biologic therapies targeting tumour necrosis factor- α on cutaneous mesenchymal stem cells in psoriasis. *Br J Dermatol*. 2012;167:68-76. **Co-first author**
59. Salvolini E, **Orciani M**, Lucarini G, Vignini A, Tranquilli AL, Di Primio R. "VEGF and nitric oxide synthase immunoexpression in Down's syndrome amniotic fluid stem cells". *Eur J Clin Invest*. 2011; 41:23-29.
60. Scuteri A, Miloso M, Foudah D, **Orciani M**, Cavaletti G, Tredici G. "Mesenchymal Stem Cells Neuronal Differentiation Ability: A Real Perspective for Nervous System Repair?" *Curr Stem Cell Res Ther*. 2010 2011; 6:82-92.
61. De Giglio E, Cometa S, Ricci MA, Cafagna D, Savino AM, Sabbatini L, **Orciani M**, Ceci E, Novello L, Tantillo GM, Mattioli-Belmonte M. "Ciprofloxacin-modified electrosynthesised hydrogel coatings to prevent titanium implant-associated infections". *Acta Biomater*. 2011;7:882-91
62. **Orciani M**, Morabito C, Emanuelli M, Guarnieri S, Sartini D, Giannubilo SR, Di Primio R, Tranquilli AL, Mariggiò MA. "Neurogenic potential of mesenchymal-like stem cells from human amniotic fluid: the influence of extracellular growth factors". *Biological Regulators & Homeostatic Agents*. 2011;25:115-30
63. **Orciani M**, Campanati A, Salvolini E, Lucarini G, Di Benedetto G, Offidani A and Di Primio R. "The sign of psoriasis in mesenchymal stem cells of the skin". *Br J Dermatol*. 2011;165:585-92
64. Orsini G, Mazzoni A, **Orciani M**, Putignano A, Procaccini M, Falconi M, Pashley DH, Tay FR, Breschi L. Matrix metalloproteinase-2 expression induced by two different adhesive systems on human pulp fibroblasts. *J Endod*. 2011;37:1663-7
65. Pugnalone A, Giantomassi F, Lucarini G, Capella S, Mattioli-Belmonte M, **Orciani M**, Belluso E. "Effects of asbestiform antigorite on human alveolar epithelial A549 cells: a morphological and immunohistochemical study". *Acta Histochem*. 2010; 112:133-46
66. Salvolini E, Lucarini G, Zizzi A, **Orciani M**, Di Benedetto GM, Di Primio R. "Human skin-derived mesenchymal stem cells as a source of VEGF and nitric oxide." *Arch Dermatol Res* 2010; 302:367-74. (I.F. 1.844)
67. **Orciani M**, Mariggiò MA, Morabito C, Di Benedetto GM, Di Primio R. "Functional characterization of calcium signaling pathways of human skin-derived mesenchymal stem cells." *Skin Pharmacol and Physiol*. 2010;23:124-32.
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BOOK CHAPTERS

"HISTOLOGY for the health professions di Sica, Di Primio, Armato, Bani, Baroni, Bernardini, Bodo Lumare, Bonsi, Brun, Caramelli, Dal Prà, Filippini, Gerbino, Mattioli Belmonte, Naro, Nicolini, Nicolini, Orciani, Romagnoli, Vannucchi, Casa Editrice Idelson Gnocchi, 2014

HISTOLOGY for the health professions, di Bani, Mattioli Belmonte, Altobelli, Baroni, Bernardini, Bertini, Bodo Lumare, Bonsi, Brun, Caramelli, Carnevale, Di Primio, Fabene, Filippini, Galli, Govoni, La Rocca, Martinelli, Naro, Nicolini, Nicolini, Orciani, Pini, Rosati, Sica, Tamagnone, Trubiani, Vannucchi, Casa Editrice Idelson Gnocchi, 2018

Two book chapters in "Stem Cells in Aesthetic Procedures" di Shiffman, Di Giuseppe e Bassetto, Casa Editrice Springer, 2014

One book chapter in "Healthcare Policies and Systems in Europa and China, comparison and synergies", World Scientific, 2017

CONGRESS PARTECIPATION

Member of the scientific secretary of:

1. Convegno Unificato GEI-SIBSC e SII; Ancona, 2019.
2. 68° Congresso Nazionale Società Italiana di Anatomia ed Istologia (SIAI), Ancona, 2014
3. Congresso Nazionale Biomateriali, SIB 2015, Ancona.

Poster and oral presentations:

1. 75° Congresso Società Italiana di Anatomia ed Istologia; Padova, 2022. Italian Journal of Anatomy and Embryology, Vol. 126, Suppl. 1 "Combined histomorphometric and Fourier Transform Infrared Imaging (FTIR) analyses to reveal Type I Collagen networking changes in osteoporotic bone" Licini C, Lucarini G, Notarstefano V, Di Vincenzo M, Hosein A, Daohuadi N, Lamanna D, Cerqueni G, Giorgini E, Marchi S, **Orciani M**, Mattioli-Belmonte M.

2. 74°Congresso Società Italiana di Anatomia ed Istologia; Bologna, 2021. Italian Journal of Anatomy and Embryology, Vol. 125, Suppl. 1 "EMBRYOLOGY The role of ECM protein crosstalk in the maintenance of a correct bone architecture" Licini C, Marchi S, Lucarini G, Cerqueni G, Di Vincenzo M, Paglione N, Cannelonga G, **Orciani M**, Mattioli-Belmonte M.
3. 73°Congresso Società Italiana di Anatomia ed Istologia; Napoli, 2019. Italian Journal of Anatomy and Embryology, Vol. 124, Suppl. 1. "Effects of senescent phenotype acquisition on human retinal pigment epithelial stem cells" Lazzarini R, Lucarini G, Pellegrino P, Attia H, Nicolai M, Mariotti C, **Orciani M**.
4. 73°Congresso Società Italiana di Anatomia ed Istologia; Napoli, 2019. Italian Journal of Anatomy and Embryology, Vol. 124, Suppl. 1. "Role of MSCs in Cushing Syndrome" Caffarini M, Armeni T, Pellegrino P, Campanati A, Arnaldi G, Di Benedetto G, **Orciani M**.
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6. 72°Congresso Società Italiana di Anatomia ed Istologia; Parma, 2018. Italian Journal of Anatomy and Embryology, Vol. 123, Suppl. 1. "A possible role of mesenchymal stem cells in age-related regression of cervical intraepithelial neoplasia" Caffarini M, **Orciani M**, Delli Carpini G, Lazzarini R, Ciavattini A, Di Primio R.
7. 72°Congresso Società Italiana di Anatomia ed Istologia; Parma, 2018. Italian Journal of Anatomy and Embryology, Vol. 123, Suppl. 1. Comunicazione orale "Role of the microenvironment in the imbalance between Th1/Th17 and Th2 cytokines of mesenchymal stem cells derived from psoriatic skin" **Orciani M**, Sorgentoni G, Molinelli E, Caffarini M, Offidani AM, Di Primio R.
8. 71°Congresso Società Italiana di Anatomia ed Istologia; Taormina, 2017. Italian Journal of Anatomy and Embryology, Vol. 122, Suppl. 1. "Three dimensional sphere culture system enhances neural crest-related properties of a sub-population of human dental pulp stem cells expressing STRO-1, c-Kit and Cd34 markers Pisciotta A, Bertoni I, Mapelli J, Biggiani A, **Orciani M**, La Noce M, de Pol A, Carnevale G.
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10. 71°Congresso Società Italiana di Anatomia ed Istologia; Taormina, 2017. Italian Journal of Anatomy and Embryology, Vol. 122, Suppl. 1. "Aging of periosteal-derived stem cells during expansion: an alternative tool for a customized bone regenerative strategy" Dicarlo M, **Orciani M**, Lucarini G, Vozzi G, Cerqueni G, Fantone S, Mattioli Belmonte M.
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16. Proceedings of The 61st Congress of the Italian Embryological Group (GEI) and the 36th Congress of the Italian Society of Histochemistry; Pisa, 2015, European Journal of Histochemistry, Vol. 59-Suppl. 1, "Neuronal differentiation of mesenchymal Stem cells derived from amniotic fluid: A comparative study between two different Approaches" **Orciani M**, Caffarini M, Lazzarini R, Sayeed MA, Ciavattini A, Di Primio R.
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 44. First International Conference on Osteoporosis in Men; Siena, 2001, "Allelic variations of the receptor for estrogens and vitamin D in male osteoporosis" Silveri F, **Orciani M**, Blasetti P, Saccucci F.
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