

PERSONAL INFORMATION



Assunta Pandolfi

Work address: Laboratory of Vascular and Stem Cell Biology, Department of Medical, Oral and Biotechnological Sciences, University “G. d’Annunzio” CHIETI – PESCARA
Center for Advanced Studies and Technology (CAST, ex CeSI-MeT)
via Luigi Polacchi, 11-13 (ex via Colle dell’Ara)
66013, Chieti Scalo - Chieti (Italy)

Phone: #39-0871-541425 **Mobile:** #39-338-8735931

Email: assunta.pandolfi@unich.it

Sex: Female | **Date of birth:** 30-07-1963 | **Nationality:** Italian

POSITION

Professor (SSD/BIO13), University “G. d’Annunzio” Chieti-Pescara, Department of Medical, Oral and Biotechnological Sciences (ORCID ID 0000-0003-4135-7631; RESEARCH ID k-4595-2016)

EMPLOYMENT AND ACADEMIC RANKS

1985-'86	Research fellow, Institute of Pharmacology, University “G. d’Annunzio” CH-PE
1986-'88	FORMEZ Fellow, Mario Negri Institute, Milan
1988-'92	Researcher (Assistano Professor), Consorzio Mario Negri Sud, Chieti
1993-'97	Lecturer (Temporary Professor) Faculty of Medicine, University of Bari
1997-'02	Assistant Professor (Technician) University “G. d’Annunzio” Chieti-Pescara
2002-'06	Assistant Professor (SSD/BIO13), University “G. d’Annunzio” Chieti-Pescara
2006-'07	Assistant Professor (SSD/MED46), University “G. d’Annunzio” Chieti-Pescara
2007	<i>ASSOCIATE PROFESSOR (SSD/MED46), University “G. d’Annunzio” Chieti-Pescara, Department of Experimental and Clinical Sciences.</i>
2008	<i>DIRECTOR of Laboratory of “VASCULAR and STEM CELL BIOLOGY”, Centro Scienze dell’Invecchiamento e Medicina Traslazionale (CE.S.I.-MeT), University “G. d’Annunzio” Chieti-Pescara.</i>
2019	PROFESSOR of Laboratory Medicine (SSD/MED46) Center for Advanced Studies and Technology (CAST), ex CE.S.I.-MeT, University “G. d’Annunzio” Chieti-Pescara, Department of Medical, Oral and Biotechnological Sciences.
2021	PROFESSOR OF APPLIED BIOLOGY (SSD/BIO13) Center for Advanced Studies and Technology (CAST), ex CE.S.I.-MeT, University “G. d’Annunzio” Chieti-Pescara, Department of Medical, Oral and Biotechnological Sciences.

Scopus Author ID 7003926455
H-Index: 31, 3.639 citations (23.05.2023)

EDUCATION AND QUALIFICATIONS

1981-1985	Biological Science Degree, University of Perugia, Italy
1989	Pharmacological Research Specialty Degree, Mario Negri Institute, Milan, Italy
1992	Italian Government Biology Licence, University of Perugia, Italy
1998	PhD in Physiopathology of Metabolism, University of Chieti and Rome, Italy

Training periods:

1988	Imperial Cancer Research Fund, Cinemicroscopy Unit, Prof. PN Riddle King's College, Anatomy Department, Prof. R Brooks, London (GB)
1989	Colombia University, Lab. of Cell Biology, Prof. R.Baserga Wistar Institute, Center of Gerontological Research, Prof. V. J. Cristofalo Philadelphia (USA)
1989	Karolinska Institute Stockholm, Department of Cell Biology, Prof. Thyberg, Linkoping University, School of Medicine, Prof. A. Wasteson, (Sweden)
1990	University of Geneva Faculty of Medicine, Department of Pathology, Prof. Gabbiani (Switzerland)

PERSONAL SKILLS

Mother tongue	Italian
Second language	English

ADDITIONAL INFORMATION

Ad Hoc Reviewer:

Acta Biochimica et Biophysica Sinica, Acta Diabetologica, Acta Physiologica, Advances in Pharmacological Sciences, Aging, Annals of Nutrition and Metabolism, Archives of Medical Research, Atherosclerosis, Thrombosis and Vascular Biology, BBA - Molecular Basis of Disease, BMC Complementary and alternative medicine, Biochimie, Biomaterials, Biomedicine and Pharmacotherapy, British Journal of Pharmacology, Cell Biochemistry and Biophysics, Cell Biology and Toxicology, Cell Proliferation, Circulation, Cardiovascular Research, European Cytokine Network, Endocrine, Expert Opinion On Therapeutic Targets, Experimental Gerontology, Free Radical Research, Genes & Nutrition, Hypertension Research, Human Genetics & Embryology Current Research, Immunopharmacology and Immunotoxicology, Int. J. Mol. Sciences, Journal of Cellular Physiology, Journal of Medicinal Foods, Journal Cellular Biochemistry, Journal of Endocrinological Investigation, Journal of Molecular and Genetic Medicine, Journal of Diabetes Research, Journal Thrombosis and Haemostasis, Journal of Tissue Engineering and Regenerative Medicine, Marine Drugs, Materials, Molecular and Cellular Biochemistry, Molecular Nutrition and Food Research, Nutrition, Metabolism & Cardiovascular Diseases, Nutrition and Diabetes, Oncotarget, Pharmaceuticals, PloSOne, PNAS, Stem Cells and Development, Scientific Reports, Vascular Pharmacology.

Editorial Board Member

Molecules
 Review Editor on the Editorial Board of Preclinical Cell and Gene Therapy (specialty section of Frontiers in Bioengineering and Biotechnology)
 Review Editor on the Editorial Board of Gastroenterology (specialty section of Frontiers in Medicine).
 JSM Atherosclerosis, JSM Renal medicine
 Annals of Obesity & Disorders
 Annals of Atherosclerosis and Thrombosis
 Annals of Stem Cell Research
 Guest Editor of Special Issue of the journal *Nutrients* entitled “Dietary Bioactives: Their Role in the Prevention and Treatment of Cardiovascular and Metabolic Bone Diseases”.
ACADEMIC EDITOR PNAS (January 2018)

Founded Projects

1998 Italian Ministry of Health, Finalized Research, Co-investigator
1999 Italian Ministry of Health, Finalized Research, Co-investigator
2000 Italian Ministry of Health, Finalized Research, Co-investigator
2001-04 Italian Ministry of the University and Scientific Research (Center of Excellence on Aging, CEA), Unit Coordinator
2002-04 Italian Ministry of the University and Scientific Research (Cofin 2002), Co-investigator
2004-06 Italian Ministry of the University and Scientific Research (PRIN program), Unit Coordinator
2006-08 Italian Ministry of the University and Scientific Research (PRIN program), Co-investigator
2005-08 Ministry of Agricultural, Food and Forestry Policies (MIPAAF), Unit Coordinator
2006-08 TELETHON, Co-investigator
2006-08 EFSD (European Foundation for the Study of Diabetes), Co-investigator
2007-2008 Iperboreal Pharma, PI
2008-10 Italian Ministry of the University and Scientific Research (PRIN program), Co-investigator
2010-12 EFSD/Servier European Research Programme on Vascular Complications of Type 2 Diabetes (European Foundation for the Study of Diabetes), Co-investigator
2012 Italian Cystic Fibrosis Foundation, Co-investigator
2017 POR FESR Abruzzo 2014-2020: EU (2015) 5818 del 13/08/2015; Action 1.1.4: N°39, 22.12.2017, SANI: SAper Nutrlre. PI
2018-2022 COST (European Cooperation in Science and Technology CA 17116) 2018-2022 International Network for Translating Research on PnD into Therapeutic Approaches EU Framework Programme Horizon
2019-2023 PON-MISE Sustainable Growth Funding – Application Sector: Life Sciences, Unit Coordinator
2023-26 MUR-PNRR, CN3, National Center for Gene Therapy and Drugs based on RNA Technology; CN_00000041 CN “Development of gene therapy and drugs with RNA-technology”, Co-investigator
2022- ongoing Spanish Government, Ministry of Science and Innovation, “Fibroin scaffold functionalized with perinatal cells for the treatment of chronic wounds and diabetic foot ulcers”.
2022-26 COST (European Cooperation in Science and Technology/CA21108) - European Network for Skin Engineering and Modeling (NETSKINMODELS)

Other Sources of Founding

2005-2008 PeterItalia srl., Italy, PI: “Carotenoid’s activity in the human health”
2006-2007 Pescara Abruzzo Foundation, Italy, PI
2008-2012 ERA-AMGEN, USA PI: “R-568 and Amniotic Fluid Stem Cells osteoblastic differentiation”

2007-2010 Iperboreal Pharma, Italy, PI
2010-2012 Carichieti Foundation, Italy, PI: "Amniotic fluid cells in regenerative medicine: characterization, osteogenic and neurogenic differentiation and therapeutic efficacy in pre-clinical studies"
2011-13 GLOMERIA, Switzerland, PI: "Vascular inflammation and peritoneal dialysis: in vitro study models"
2012-2014 ROCHE-DIAGNOSTICS, Italy, PI
2015-16 Negri Sud ONLUS Foundation, Italy, PI
2014-15 IBERSAN-SANTIVERI Spain, PI: "Potential role of Vitamin K2 in vascular homeostasis and osteogenesis"
2016-19 SANOFI-USA, Unit Coordinator: "Glutamate and alpha-glutamyl cycle alterations in the development of diabetic complications"
2020-21 Banca d'Italia, PI: "Study of osteo-cartilaginous differentiation of umbilical cord and bone marrow stem cells. Role of cross-linked hyaluronate"

Patents

1. *Italian Patent* n. IT1388790-B (RM2008A000177) 03/03/2008. "Anti-inflammatory composition for human and animal administration comprises Centella asiatica and lipoic acid".
2. *Italian Patent* n. 02017000104529, 09/19/2017. "Ovothiols for the treatment of chronic low-grade systemic inflammation and the related pathologies".
3. *European Patent* n. 3684355 validated in Switzerland/ Liechtenstein, Germany, Spain, France and UK, PCT/IB2018/057098, 17/09/2018. "Ovothiols for the treatment of chronic low-grade systemic inflammation and the related pathologies".
4. *USA Patent* n. 16/646716, PCT/IB2018/057098, 17/09/2018. "Ovothiols for the treatment of chronic low-grade systemic inflammation and the related pathologies".
5. *European Patent* Application n. EP20179055.7. "New drug delivery system for ophthalmic use" 09.06.2020 (Applicant: Dompé farmaceutici S.p.a).
6. *Italian Patent* n. 102023000007497, 18/04/2023. "Isolator for cell cultures derived from a perinatal tissue and method for isolating at least one type of cell from perinatal tissue" (Applicant: COMECER S.p.a).

Conferences at National and International Meetings

1991 "Effects of heparins and TGFbeta on vascular Smooth muscle cells proliferation. Role of aging". Mario Negri South Institute, S. Maria Imbaro, Italy.
1996 "Cellular mechanisms of macrovascular complications of diabetes". Mario Negri South Institute
1998 "Diabetes and fibrinolysis". Mario Negri South Institute, S. Maria Imbaro, Italy.
2001 "Role of glucose and/or insulin in the regulation of endothelial function." Mario Negri South Institute, S. Maria Imbaro, Italy.
2003 "Nitric Oxide and its implications in vascular pathophysiology". Mario Negri South Institute.
2005 "Role of Nitric Oxide in the atherosclerotic plaque formation and evolution". Lecture, Symposium of Italian Society for the Study of Atherosclerosis. University G. d'Annunzio, Chieti-Pescara, Italy.
2005 "Cellular models for the study of insulin resistance and its role in cardiovascular disease". Lecture, Catholic University, Campobasso, Italy.
2007 "Hyperglycemia, oxidative stress and mechanisms of atheroma development". Lecture, La Sapienza University, Rome, Italy.
2008 "Nitric Oxide bioavailability and vascular homeostasis". Lecture, Meeting of Italian Society for the study of Nitric Oxide, Rimini, Italy.
2009 "Platelet eNOS, iNOS or no NOS, that is the question". Lecture, Annual Meeting of Platelet Group Study, Lanciano, Italy.
2011 "Nitric Oxide bioavailability in the time-line of atherosclerosis". Lecture, Catholic University, Rome, Italy.
2011 "Role of oxidative stress in the Nitric Oxide bioavailability". Lecture, Meeting of Italian Society for the study of Nitric Oxide, Rimini, Italy.
2012 "Endoplasmic Reticulum Stress". Lecture, Annual Meeting of Italian Society of Diabetes, Turin, Italy.
2013 "Carotenoids and NO bioavailability". Lecture, iNOs Meeting, Verona University, Italy.
2013 "Nitric Oxide bioavailability and vascular pathophysiology". Lecture, Annual Meeting of Italian Society for the study of Nitric Oxide, Rimini, Italy.
2014 "NO bioavailability in vascular pathophysiology: focus on endothelial function and dysfunction". University of Florence, Florence, Italy.

- 2014** "Insulin Action". Lecture, Annual Meeting of Italian Society of Diabetes, Bologna, Italy.
- 2015** "Nitric Oxide bioavailability in vascular physiopathology: focus on endothelial function and dysfunction". University of Ferrara, Ferrara, Italy.
- 2015** "Nitric Oxide bioavailability in vascular physiopathology: focus on endothelial function and dysfunction", University of L'Aquila, Italy.
- 2015** "Nitric Oxide bioavailability in vascular physiopathology: focus on endothelial function and dysfunction", Mendel Institute, Rome, Italy.
- 2015** Nutrire il Pianeta, Energia per la Vita: Modello Mediterraneo di Nutrizione e Salute. EXPO 2015, Milan, Italy.
- 2015** "Cellule Staminali mesenchimali da liquido amniotico: un modello potenzialmente utile per la rigenerazione ossea". Accademia della Storia dell'Arte Sanitaria. Rome, Italy.
- 2016** "Cellule staminali mesenchimali da annessi extra-embriionali: un modello potenzialmente utile per la rigenerazione ossea in ambito odontoiatrico". One Day Seminar "Stem cells and Nanodevices for oral and maxillofacial surgery". Naples, Italy.
- 2017** "Complicanze cardiovascolari del diabete di tipo 2: basi cellulari.". IRCCS NEUROMED, Pozzilli (IS).
- 2018** "Cellule staminali da annessi perinatali". COMECER srl, Castelbolognese (RA).
- 2018** "Biodiversity, natural molecules and bone health". XII Convegno Nazionale Biodiversità, Ambienti, Salute. Teramo, Italy.
- 2019** "Cellule Staminali Perinatali: candidate per un ruolo nella Medicina Rigenerativa in Ortopedia?". 104° National Congress SIOT 2019, Società Italiana di Ortopedia e Traumatologia. Rome.
- 2019** "Nuove tecnologie nella ricerca e nella pratica nutrizionale: possibile sviluppo di biomarcatori". SIPMeL – Società Italiana di Patologia Clinica e Medicina di Laboratorio. Chieti, Italy.
- 2020** "Disfunzione endoteliale e diabete: modelli innovativi per lo sviluppo di biomarcatori". IRCCS NEUROMED, Pozzilli (IS), Italy.
- 2022** "Clinical Translation of Perinatal Derivatives: Where do We Stand for?", IPLASS and COST Action Joint Scientific Meeting, Brescia, Italy.

Honours and awards conferred to the Research Unit

- 2006 ISA Prize** Italian Society Atherosclerosis
- 2006 Siset Prize** Italian Society for the Study of Homeostasis and Thrombosis
- 2008 SID Prize** Italian Society for the Study of Diabetes
- 2011 SCR-Italy Prize** Italian Stem Cell Research Italy

Memberships

- 1996** Società Italiana di Diabetologia (SID), Member
- 2002** Associazione Italiana Biologi e Genetisti (AIBG), Member
- 2003** Società Italiana per lo Studio dell'Emostasi e Trombosi (Siset), Member
- 2009** Società Italiana per lo Studio dell'Ossido di Azoto (iNOs), Member of Executive Board
- 2009** Società Italiana per la Ricerca sulle Cellule Staminali (SCR-Italy), Member of Executive Board
- 2009** Associazione per lo studio delle Cellule Staminali Chieti-Teramo (StemTeCh), President
- 2010** International Society of Nutrigenetics/Nutrigenomic (ISSN), Member
- 2017** European Association for the Study of Diabetes (EASD), Member

Institutional Responsibilities

- 2012-16** Member in the Board of the Department of Experimental and Clinical Sciences, University "G. d'Annunzio" Chieti-Pescara.
- 2013-to date** Member in the Board of Professors for the PhD in "Biomolecular and Pharmacological Sciences", University "G. d'Annunzio" Chieti-Pescara.
- 2015-to date** Member of the Scientific Board of the Chemical Pharmaceutical Pole CAPITANK.
- 2017-to date** Referent for the University "G. d'Annunzio" Chieti-Pescara of the European Research Program (<http://prima-med.org/>).
- 2019-21** Responsibility in the Operative Technical Unit (NTO) and Referent of the macro areas in the CAST.
- 2019-to date** Referent for the University "G. d'Annunzio" Chieti-Pescara of the MIUR consulting and coordination group of the Department for Higher Education and Research, for the New National Research plan (PNR) for national proposals and strategies and for Horizon Europe 2021-27; Bioeconomy, Food and Blue Growth theme.
- 2019-to date** Member of the Research Evaluation Commission of the Department of Medical, Oral and Biotechnological Sciences, University "G. d'Annunzio" Chieti-Pescara.
- 2021-to date** Member in the Board of the Department of Medical, Oral and Biotechnological Sciences, University "G. d'Annunzio" Chieti-Pescara.
- 2021-to date** Referent for the University "G. d'Annunzio" Chieti-Pescara for the PNRR for the National Center on genetic therapies and RNA vaccines.

2021-2027 Referent for the University "G. d'Annunzio" Chieti-Pescara" of the MIUR consulting for the New National Research plan (PNR) and for Horizon Europe 2021-2027; Bioeconomy, Food and Blue Growth theme.

2021 Referent for the University "G. d'Annunzio" Chieti-Pescara of the PNRR-MUR: National Center for Gene Therapy and Drugs based on RNA Technology; CN_00000041.

2023-2026 Member in the Board of the Center for Advanced Studies and Technology (CAST)

2023 Coordinator of the PhD Board in "Biomolecular and Pharmaceutical Sciences", University "G. d'Annunzio" Chieti-Pescara.

Original Peer-Reviewed Publications (total number)

115

Chapter in Books

1. **Pandolfi A**, Hess S, Giandomenico V, D'Orazio A, Milani MR, Marchi E, Donati MB and Poggi A. Lack of inhibitory effect of heparin on in vitro proliferation of aortic smooth muscle cells from aged rats. Zilla P., Fasol R., Callow A (Eds): Applied Cardiovascular Biology 1989 Int. Soc. Appl. Cardiovasc. Biol. Basel, Karger, 1990, Vol.1,181-188.

2. Di Castelnuovo A, Di Pietro N, Sirolli V, Bonomini M, **Pandolfi A**. Earthquakes and impact on prevalence of metabolic syndrome. Handbook Public Health in Natural Disasters, Eds: RR Watson, JA Tabor, JE Ahiri, VR Preedy 2015; Chapter 24, 295-207.

3. **Pandolfi A**. Biology of Carotenoids and their potential cardiovascular health benefits. Masayoshi Yamaguchi Editor: "Carotenoids. Food Sources, Production and Health Benefits". Nova Biomedical Science Publishers 2013, chapter XIV, 271-295.

4. Mandatori D, Pelusi L, Schiavone V, Pipino C, Di Pietro N, **Pandolfi A**. The Dual Role of Vitamin K2 in "Bone-Vascular Crosstalk": Opposite Effects on Bone Loss and Vascular Calcification.; Prime Archives in Nutrition, Vide Leaf, 2021, Eloy A Zepeda-Carrillo editor, 1-32.

5. Pipino C, Cappellacci I, Pelusi L, Di Pietrantonio N, Mandatori D, Di Pietro N, **Pandolfi A**. Amniotic Fluid Mesenchymal Stromal Cells as Innovative and Advantageous Resource for Bone Regeneration; New Horizons in Medicine and Medical Research Vol. 4, 2022, 1-20.

10 Most Significant Publications (all career)

1. Morieri ML, Shah HS, Sjaarda J, Lenzini PA, Campbell H, Motsinger-Reif AA, Gao H, Lovato L, Prudente S, **Pandolfi A**, Pezzolesi MG, Sigal RJ, Paré G, Marcovina SM, Rotroff DM, Patomo E, Mercuri L, Trischitta V, Chew EY, Kraft P, Buse JB, Wagner MJ, Cresci S, Gerstein HC, Ginsberg HN, Mychaleckyj JC, Doria A. A PPARA Polymorphism Influences the Cardiovascular Benefit of Fenofibrate in Type 2 Diabetes: Findings from ACCORD Lipid. Diabetes. 2020 Jan 23. pii: db190973. doi: 10.2337/db19-0973.

2. Ucci M, Di Tomo P, Tritschler F, Cordone VGP, Lanuti P, Bologna G, Di Silvestre S, Di Pietro N, Pipino C, Mandatori D, Formoso G, **Pandolfi A**. Anti-inflammatory Role of Carotenoids in Endothelial Cells Derived from Umbilical Cord of Women Affected by Gestational Diabetes Mellitus. Oxid Med Cell Longev. 2019 Jan 30; 2019:8184656. doi: 10.1155/2019/8184656.

3. Qi L., Qi Q., Prudente S., Mendonca C., Andreozzi F., Di Pietro N., Sturma M., Novelli V., Mannino G.C., Formoso G., Gervino E.V., Hauser T.H., Muehlschlegel J.D., Niewczas M.A., Krolewski A.S., Biolo G., **Pandolfi A.**, Rimm E., Sesti G., Trischitta V., Hu F., Doria A. Association Between a Genetic Variant Related to Glutamic Acid Metabolism and Coronary Heart Disease in Type 2 Diabetes. JAMA. 2013 Aug 28;310(8):821-8.

4. Prudente S., Sesti G., **Pandolfi A.**, Andreozzi F., Consoli A., Trischitta V. The mammalian tribbles homolog TRIB3, glucose homeostasis, and cardiovascular diseases. Endocr Rev. 2012 Aug;33(4):526-46.

5. Di Tomo P., Canali R., Ciavardelli D., Di Silvestre S., De Marco A., Giardinelli A., Pipino C., Di Pietro N., Virgili F., **Pandolfi A.** β-Carotene and lycopene affect endothelial response to TNF-α reducing nitro-oxidative stress and interaction with monocytes. Mol Nutr Food Res. 2012; 56:217-27.

6. **Pandolfi A.**, Solini A., Pellegrini G., Mincione G., Di Silvestre S., Chiozzi P., Giardinelli A., Di Marcantonio M.C., Piccirelli A., Capani F., Consoli A. Selective insulin resistance affecting nitric oxide release but not plasminogen activator inhibitor-1 synthesis in fibroblasts from insulin-resistant individuals. Arterioscler Thromb Vasc Biol. 2005 Nov; 25(11):2392-7.

7. Federici M., **Pandolfi A.**, De Filippis E.A., Pellegrini G., Menghini R., Lauro D., Cardellini M., Romano M., Sesti G., Lauro R., Consoli A. G972R IRS-1 variant impairs insulin regulation of endothelial nitric oxide synthase in cultured human endothelial cells. Circulation. 2004 Jan 27;109(3):399-405.

8. Zauli G., **Pandolfi A.**, Gonelli A., Di Pietro R., Guarnieri S., Ciabattini G., Rana R., Vitale M., Secchiero P. Tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) sequentially upregulates nitric oxide and prostanoic production in primary human endothelial cells. *Circ Res.* 2003 Apr 18;92(7):732-40.
9. **Pandolfi A.**, Cetrullo D., Polishuck R., Alberta M.M., Calafiore A., Pellegrini G., Vitacolonna E., Capani F., Consoli A. Plasminogen activator inhibitor type 1 is increased in the arterial wall of type II diabetic subjects. *Arterioscler Thromb Vasc Biol.* 2001 Aug;21(8):1378-82.
10. **Pandolfi A.**, Iacoviello L., Capani F., Vitacolonna E., Donati M.B., Consoli A. Glucose and insulin independently reduce the fibrinolytic potential of human vascular smooth muscle cells in culture. *Diabetologia.* 1996 Dec;39(12):1425-31.

Peer-Reviewed Publications

- Schiavone V, Romasco T, Di Pietrantonio N, Garzoli S, Palmerini C, Di Tomo P, Pipino C, Mandatori D, Fioravanti R, Butturini E, Sabatino M, Baldassarre MPA, Ragno R, **Pandolfi A**, Di Pietro N, Essential Oils from Mediterranean Plants inhibit In Vitro Monocyte Adhesion to Endothelial Cells from Umbilical Cords of Females with Gestational Diabetes Mellitus, *Int Mol Sci*; 2023, 24 (8), 7225. doi: 10.3390/ijms24087225.
- Lambertini E, Penolazzi L, Notarangelo MP, Fiorito S, Epifano F, **Pandolfi A**, Piva R, Pro-differentiating compounds for human intervertebral disc cells are present in Violina pumpkin leaf extracts; *Int J Mol Med*; 2023 May;51(5):39. doi: 10.3892/ijmm.2023.5242. Epub 2023 Apr 7.
- Pelusi L, Mandatori D, Mastropasqua L, Agnifili L, Allegretti M, Nubile M, **Pandolfi A**, Innovation in the Development of Synthetic and Natural Ocular Drug Delivery Systems for Eye Diseases Treatment: Focusing on Drug-Loaded Ocular Inserts, Contacts, and Intraocular Lenses; *Pharmaceutics*, 2023 Feb 13;15(2):625. doi: 10.3390/pharmaceutics15020625.
- Pagotto S, Simeone P, Brocco D, Catitti G, De Bellis D, Vespa S, Di Pietro N, Marinelli L, Di Stefano A, Veschi S, De Lellis L, Verginelli F, Kaitsas F, Iezzi M, **Pandolfi A**, Visone R, Tinari N, Caruana I, Di Ianni M, Cama A, Lanuti P, Fiorito R, CAR-T-Derived Extracellular Vesicles: A Promising Development of CAR-T Anti-Tumor Therapy; *Cancers*, 2023, 15, 1052. doi:10.3390/cancers15041052.
- Di Pietrantonio N, Di Tomo P, Mandatori D, Formoso G, **Pandolfi A**. Diabetes and Its Cardiovascular Complications: Potential Role of the Acetyltransferase p300; *Cells*; 2023 Jan 28;12(3):431. doi: 10.3390/cells12030431.
- Efthymakis K, Bologna G, Simeone P, Pierdomenico L, Catitti G, Vespa S, Milano A, De Bellis D, Laterza F, **Pandolfi A**, Pipino C, Sallese M, Marchisio M, Miscia S, Neri M, Lanuti P, Circulating Extracellular Vesicles Are Increased in Newly Diagnosed Celiac Disease Patients, *Nutrients*; 2022 Dec 23;15(1):71. doi: 10.3390/nu15010071.
- Pierfelice TV, D'Amico E, Petrini M, **Pandolfi A**, D'Arcangelo C, Di Pietro N, Piattelli A, Iezzi G, The Effects of 5% 5-Aminolevulinic Acid Gel and Red Light (ALAD-PDT) on Human Fibroblasts and Osteoblasts, *Gels*; 2022 Aug 8;8(8):49. doi: 10.3390/gels8080491.
- Pelusi L, Mandatori D, Di Pietrantonio N, Del Pizzo F, Di Tomo P, Di Pietro N, Buda R, Genovese S, Epifano F, **Pandolfi A**, Fiorito S, Pipino C, Estrogen Receptor 1 (ESR1) and the Wnt/ β -Catenin Pathway Mediate the Effect of the Coumarin Derivative Umbelliferon on Bone Mineralization, *Nutrients*; 2022 Aug 5;14(15):3209. doi: 10.3390/nu14153209.
- Flores AI, Pipino C, Jerman UD, Liarte S, Gindraux F, Kreft ME, Nicolas FJ, **Pandolfi A**, Tratnjek L, Giebel B, Pozzobon M, Silini RA, Parolini O, Eissner G, Lang-Olip, Perinatal derivatives: How to best characterize their multimodal functions in vitro. Part C: Inflammation, angiogenesis, and wound healing, *Front Bioeng Biotechnol*; 2022 Aug 4;10:965006. doi: 10.3389/fbioe.2022.965006. eCollection 2022.
- Pipino C, Bernabé-García A, Cappellacci I, Stelling-Ferez J, Di Tomo P, Santalucia M, Navalon C, **Pandolfi A**, Nicolas FJ. Effect of the Human Amniotic Membrane on the Umbilical Vein Endothelial Cells of Gestational Diabetic Mothers: New Insight on Inflammation and Angiogenesis, *Front. Bioeng. Biotechnol*; 2022, Jul 5; 10:854845. doi: 10.3389/fbioe.2022.854845. eCollection 2022.
- Mastropasqua L, Nubile M, Acerra G, Detta N, Pelusi L, Lanzini M, Mattioli S, Santalucia M, Pietrangelo L, Allegretti M, Dua HS, Metha JS, **Pandolfi A**, Mandatori D. Bioengineered Human Stromal Lenticule for Recombinant Human Nerve Growth Factor Release: A Potential Biocompatible Ocular Drug Delivery System, *Front. Bioeng. Biotechnol*; 2022, Jun 23;10:887414. doi: 10.3389/fbioe.2022.887414.
- Mandatori D, **Pandolfi A**. Dietary Bioactives: Their Role in the Prevention and Treatment of Cardiovascular and Metabolic Bone Diseases, *Nutrients*; 2022, Jun. 14; 14(12), 2459; doi: 10.3390/nu14122459.
- Pelusi L, Schiavone V, Bologna G, Cerritelli P, Lezza D, Pantalone A, Santalucia M, Buda R, **Pandolfi A**, Mandatori D. Chondrogenic Differentiation of Human Wharton's Jelly and Bone Marrow-Derived Mesenchymal Stem Cells: Focus on the Role of an Acrylamide-Free Cross-Linked Hyaluronic Acid Hydrogel, *J Orthop Res Ther*; 2021 Dec 31; Vol. 6:1209, doi: 10.29011/2575-8241.001209.
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Chieti, 23.05.23

*In faith,
Prof. Assunta Pandolfi*