

PERSONAL INFORMATION



NADIA DI PIETRANTONIO

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Sex: Female | **Date of birth:** 13/06/1991 | **Nationality:** Italian

POSITION

Post doc Fellowship

Laboratory of VASCULAR and STEM CELL BIOLOGY, Department of Medical, Oral and Biotechnological Sciences, University "G. d'Annunzio" CHIETI – PESCARA,
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H-Index 5, Citations 63 (source Scopus 02 September 2024)

EDUCATION QUALIFICATIONS

AND

2023	Qualification to practice the profession of Biologist. University Aldo Moro of Bari
2021	Doctor of Philosophy (PhD) degree in Biomolecular and Pharmaceutical Sciences Biology. University G. d'Annunzio Chieti-Pescara
2017	Master's degree in molecular biology. University of Ancona, Italy. Degree mark: 110/110
2014	Bachelor Degree in Biomedical Laboratory Techniques. University G. d'Annunzio Chieti-Pescara. Degree mark: 110/110.

WORK EXPERIENCE

1 st July 2022-now	Postdoctoral Fellowship in Cellular biology Laboratory of VASCULAR and STEM CELL BIOLOGY (Mentor. Prof. A.Pandolfi), Department of Medical, Oral and Biotechnological Sciences, University "G. d'Annunzio" CHIETI – PESCARA, Center for Advanced Studies and Technology (CAST, ex CeSI-MeT), Italy.
May 2021-June 2022	Fellowship in Cellular Biology Laboratory of VASCULAR and STEM CELL BIOLOGY (Mentor. Prof. A.Pandolfi), Department of Medical, Oral and Biotechnological Sciences, University "G. d'Annunzio" CHIETI – PESCARA, Center for Advanced Studies and Technology (CAST, ex CeSI-MeT), Italy.
1/02/2019-21/12/2020 -	Visiting PhD student Cardiology Research Unit, Laboratory for Molecular Cardiology (Mentor: Prof. F. Cosentino). Karolinska Institute, Stockholm (Sweden).
2017-2019	PhD student Laboratory of VASCULAR and STEM CELL BIOLOGY (Mentor. Prof. A.Pandolfi), Department of Medical, Oral and Biotechnological Sciences, University "G. d'Annunzio" CHIETI – PESCARA, Center for Advanced Studies and Technology (CAST, ex CeSI-MeT), Italy.

MAIN TRAINING COURSES

2024	Giornata Nazionale BBMRI.it 2024 05 March 2024 University of studies of Milan-Bicocca
2021	Nitrogen liquid handling course Center for Studies and Advanced Technologies (CAST) Chieti, Italy
2020	KI doctoral course "Endothelial Cell Function and its Relevance in Cardiovascular Disease" Karolinska Institute, Stockholm, Sweden
2019	Course "Beyond Gene Expression: Epigenetics in the Cardiovascular System". Karolinska Institute, Stockholm, Sweden
2017	Training Course "Basic and Advanced flow cytometry" Miltenyi Biotec. Bologna, Italy.

PERSONAL SKILLS

Mother tongue	Italian
Other language	English (level C1: understanding, listening and writing) French (school level: understanding, listening and writing) German (school level: understanding, listening and writing)
Digital competence	Windows and Macintosh operating system, Office package, graphics processing programs, network resources, statistical software.

ADDITIONAL INFORMATION

Member of Scientific Society	- 2023 SISA (Società Italiana per lo studio dell'aterosclerosi) - 2022 AIBG (Associazione Italiana di Biologia e genetica) - 2022 EASD (European Foundation for the Study of Diabetes) - 2018 SID (Italian Society of Diabetes) - 2017 SCR (Stem Cells Research)
Ad hoc Reviewer	- ACTA diabetologica - BMC Cardiovascular Disorders - Journal of molecular medicine - Biomedicine and Pharmacotherapy - FASEB journal - Journal of Cellular and Molecular Medicine - Reproductive Biology
Research Supervisory and Training Responsibilities	- Medical student November 2022, supervisor of medical student Bianca Fede in the research project "Potential protective role of nutritional molecules in cardiovascular and bone disease: use of innovative cell culture models". - Medical student October 2022, supervisor of medical student Ian Inestroza in the research project "Potential protective role of nutritional molecules in cardiovascular and bone disease: use of innovative cell culture models". - Medical students October 2021, supervisor of medical students Grazia Senatore and Myriam Adele Traulo in the research project "Potential protective role of nutritional molecules in cardiovascular and bone disease: use of innovative cell culture models". - Medical student July 2021, supervisor of Adrian Alejandro Moreno Mares in the research project "potential protective role of nutritional molecules in cardiovascular and bone diseases". University G. d'Annunzio Chieti-Italy. - Laboratory Technician Students 2019 Supervisor of Chiara Pettinella Thesis, University G. d'Annunzio Chieti-Italy
Thesis co-supervisor	- Student: Daniele Bove Thesis: "PREVENZIONE DELLE MALATTIE CARDIOVASCOLARI: DIETA MEDITERRANEA E INTERVENTI SULLO STILE DI VITA". Course: "Corso di laurea magistrale in Scienze della Nutrizione", Anno Accademico 2022/2023 University: Unicamillus (Rome) - Student: Chiara Quattrocchi Thesis: "RUOLO DEI CAROTENOIDI SULLA SALUTE UMANA: EVIDENZE SCIENTIFICHE SU MODELLI CELLULARI INNOVATIVI". Course: "Corso di laurea magistrale in Scienze della Nutrizione", Anno Accademico 2022/2023 University: Unicamillus (Rome)
Guest Speaker Invitation	- PhD course 5678: "Current clinical applications of epigenetics in cardiometabolic diseases" at Karolinska Institutet, on November 9th, 2023 (1 hour), with the topic of: "Epigenetic mechanisms in diabetes and inheritance".
Methodologies acquired	Great theoretical-practical knowledge of: ▪ Primary cell cultures: human primary cell cultures (human umbilical vein endothelial cells), Human Pheripheral blood monuclear cells, U937 cells, MCF-7 cells, murine primary cell cultures (vascular smooth muscle cells). Cellular biology and cell cryopreservation techniques.

	▪ Gene silencing technique ▪ DNA, RNA and proteins extraction from cell culture and tissue samples ▪ PCR, RT-PCR, Real-Time PCR. ▪ Chromatin Immunoprecipitation (ChiP) ▪ Immunofluorescence ▪ Luciferase assay ▪ Gene silencing ▪ Cytometric analysis (FACS Calibur, FACS Canto, Amnis ImageStream Imaging) ▪ Electrophoresis techniques and Western Blot analysis (chemiluminescence detection method) ▪ ELISA and EIA methods.
Prizes and awards	- 2022 "Mariella Di Girolamo" PhD thesis award 2022 (Italy). - 2022 EASD Travel Grant - 2022 SID travel grant
Patents	- Brevetto Italiano n. 102023000007497, 18/04/2023. "Isolatore per colture cellulari derivate da un tessuto perinatale e metodo di isolamento di almeno una tipologia di cellule da un tessuto perinatale". (Applicant: COMECER S.p.a).
National and International congress abstracts	- <i>Decellularized human corneal lenticule as a delivery system of recombinant human nerve growth factor and human amniotic fluid stem cells factors for posterior ocular disease treatment.</i> Domitilla Mandatori, Letizia Pelusi, Maddalena Ghelardoni, Luca Agnifili, Nadia Di Pietrantonio, Jose Hurst, Marcello Allegretti, Sven Schnichels, Leonardo Mastropasqua, Sveva Bollini, Mario Nubile, Assunta Pandolfi. Oral presentation. 2023 European Association for Vision and Eye Research Festival, 26-28 October 2023, Valencia (Spain). - <i>Histone epigenetic signature and gestational diabetes: role of the acetyltransferase p300 in the transmission of the maternal phenotype to the offspring.</i> Nadia Di Pietrantonio, Julia Sánchez-Ceinos, Letizia Pelusi, Pamela Di Tomo, Domitilla Mandatori, Gloria Formoso, Tiziana Bonfini, Ilaria Cappellacci, Maria Pompea Antonia Baldassarre, Caterina Pipino, Francesco Cosentino, Assunta Pandolfi. Short oral presentation, EASD 2023, Hamburg (Germany). - <i>Epigenetically-driven persistence of inflammatory and oxidative phenotypes in adolescents born to women with gestational diabetes</i> Julia Sánchez-Ceinos, Nadia Di Pietrantonio, Mariana Shumliakivska, Alexander Rakow, Domitilla Mandatori, Pamela Di Tomo, Gloria Formoso, Tiziana Bonfini, Maria Pompea Antonia Baldassarre, Maria Sennström, Wael Almahmeed, Assunta Pandolfi, Francesco Cosentino. E-poster, ESC 2023, Amsterdam (Netherlands) - <i>Human amniotic fluid stem cells and recombinant human Nerve Growth Factor to engineer human corneal lenticule: a potential sustained delivery system for posterior ocular diseases treatment.</i> L. Pelusi, D. Mandatori, M. Ghelardoni, L. Agnifili, I. Cappellacci, N. Di Pietrantonio, J.

	Hurst, M. Allegretti, S. Schnichels, L. Mastropasqua, S. Bollini, M. Nubile, A. Pandolfi. Stem Cell Research Italy - One Day Meeting GIOVANI RICERCATORI A CONFRONTO. May 19 2023, Chieti (Italy). - Characterization of innovative dental implant abutment surfaces and their morpho-functional effect on human gingival fibroblasts. Tea Romasco, Ugo Covani, Domitilla Mandatori, Nadia Di Pietrantonio, Adriano Piattelli, Natali Di Pietro. Taobuk, June 15-19 2023. Taormina (Italy). - Epigenetically-driven transmission of cardiovascular risk in offspring exposed to gestational diabetes: role of histone methyltransferase MLL1. Julia Sánchez-Ceinos, Nadia Di Pietrantonio, Mariana Shumliakivska, Alexander Rakow, Domitilla Mandatori, Pamela Di Tomo, Gloria Formoso, Tiziana Bonfini, Maria Pompea Antonia Baldassarre, Maria Sennström, Wael Almahmeed, Assunta Pandolfi, Francesco Cosentino. SRP Diabetes-EndoMet-MetEndo Retreat ; May 15-16, 2023. Karolinska Institute. Oral presentation. - Human amniotic fluid stem cells and recombinant human Nerve Growth Factor to engineer human corneal lenticule: a potential sustained delivery system for posterior ocular diseases treatment. L. Pelusi, D. Mandatori, M. Ghelardoni, L. Agnifili, I. Cappellacci, N. Di Pietrantonio, J. Hurst, M. Allegretti, S. Schnichels, L. Mastropasqua, S. Bollini, M. Nubile, A. Pandolfi. Stem Cell Research Italy - One Day Meeting, Chieti (Italy), 19 May 2023. - Epigenetic regulation of NF-κB p65 in women with gestational diabetes and their offspring. Nadia Di Pietrantonio, Julia Sánchez-Ceinos, Mariana Shumliakivska, Pamela Di Tomo, Domitilla Mandatori, Gloria Formoso, Tiziana Bonfini, Maria Pompea Antonia Baldassarre, Francesco Cosentino, Assunta Pandolfi. Spring meeting giovani ricercatori 2023 SID, SIIA, SIMI, SIPREC e SISA. Rimini (Italy) 16-18 April 2023. Poster presentation. - Endothelial cells from umbilical cord of women affected by gestational diabetes: an in vitro vascular model to study the anti-inflammatory and pro-angiogenic role of amniotic membrane in diabetic foot ulcer. C. Pipino, I. Cappellacci, P. Di Tomo, Á. Bernabé-García, J. Stelling-Férez, N. Di Pietrantonio, D. Mandatori, M.P.A. Baldassarre, F.J. Nicolás, A. Pandolfi SISSET (XXVII National Congress), Perugia (Italy) 2-8 November 2022 - Potenziale ruolo dell'acido oleanolico nella prevenzione delle ulcere del piede diabetico. I. Cappellacci, J. Stelling Férez, N. Di Pietrantonio, P. Di Tomo, Nicolás Francisco J., A. Pandolfi, C. Pipino. SID meeting (29° congress), Rimini (Italy) 26-29 October 2022. Poster. - Oli essenziali e loro effetti in un modello di infiammazione endoteliale associato ad iperglicemia. T. Romasco, V. Schiavone, N. Di Pietrantonio, M.P. Baldassarre, P. Di Tomo, I. Cappellacci, G. Formoso, R. Ragno, A. Pandolfi, N. Di Pietro. SID meeting (29° congress), Rimini (Italy) 26-29 October 2022. Poster presentation. - Epigenetica e diabete gestazionale: ruolo di MLL1 nella trasmissione del fenotipo materno alla prole. N. Di Pietrantonio, M. Shumliakivska, J. Sánchez-Ceinos, D. Mandatori, A. Rakow, P. Di Tomo, M.P.A. Baldassarre, M. Sennström, G. Formoso, T. Bonfini, F. Cosentino, A. Pandolfi. SID meeting (29° congress), Rimini (Italy) 26-29 October 2022. <u>Oral presentation.</u> - Effect of human amniotic membrane on umbilical vein endothelial cells of gestational diabetic mothers: new insight in wound healing and diabetic foot ulcer. C. Pipino, I. Cappellacci, P. Di Tomo, Á. Bernabé-García, J. Stelling-Férez, N. Di Pietrantonio, L. Pelusi, F. José Nicolás, A. Pandolfi. EASD meeting (58th annual meeting), Stockholm 19-23 September 2022. <u>Short oral presentation</u>
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- ***Role of histone methyltransferase MLL1-driven H3K4me3 in the transmission of oxidative and inflammatory phenotypes to the offspring of women with gestational diabetes.***
N. Di Pietrantonio, M. Shumliakivska, J. Sánchez-Ceinos, D. Mandatori, A. Rakow, P. Di Tomo, M.P.A. Baldassarre, M. Sennström, G. Formoso, T. Bonfini, A. Pandolfi, F. Cosentino. EASD meeting (58th annual meeting), Stockholm 19-23 September 2022. Short oral presentation
- ***Human amniotic membrane promotes migration and tube formation of endothelial cells isolated from umbilical cord vein of gestational diabetes affected mothers.***
Cappellacci, Á. Bernabé-García, J. Stelling-Férez, P. Di Tomo, N. Di Pietrantonio, D. Mandatori, L. Pelusi, F.J. Nicolás, A. Pandolfi, C. Pipino.
SCR meeting Genova 8-10 June 2022.
- ***Hyperglycemic memory: role of epigenetic signature in the transmission of gestational diabetes-associated inflammatory and pro-oxidant phenotype.***
N. di pietrantonio, M. Shumliakivska, R.S. Soler, D. Mandatori, P. di Tomo, G. Formoso, M.P.A. Baldassarre, F. Cosentino, A. Pandolfi.
Virtual EASD meeting (57th annual meeting) 27 September-1 October 2021. Short oral presentation
- ***Role of amniotic membrane on endothelial cells from umbilical cord of women affected by gestational diabetes: new insights into the treatment of non-healing diabetic foot ulcers.***
Caterina Pipino, Ángel Bernabé-García, Ilaria Cappellacci, Javier Stelling-Férez, Pamela Di Tomo, Carlos Navalón, Manuela Santalucia, Nadia Di Pietrantonio, Natalia Di Pietro, Assunta Pandolfi, Francisco José Nicolás.
Oral presentation at StemNet Padova 22-24 September 2021.
- ***Epigenetic regulation of oxidative and inflammatory phenotypes in women with gestational diabetes and offspring.***
N. Di Pietrantonio, M. Shumliakivska, R. Suades, P. Di Tomo, T. Bonfini, A. Pandolfi, F. Cosentino.
e-poster presentation at ESC Congress 27-30 August 2021 - The Digital Experience
- ***Role of Set7 in the epigenetic transmission of gestational diabetes-induced inflammatory phenotypes to the offspring***
N. Di Pietrantonio, P. di Tomo, R. Suades Soler, A. Pandolfi, F. Cosentino.
Karolinska Institute, Stockholm Yasuragi Hasseludden CVP-CVR Retreat 2019
Poster presentation 28-29 November 2019.
- ***Plasma from pre-pubertal obese children increases monocytes-endothelial interaction: potential mechanisms linking inflammation and insulin resistance."***
N.Di Pietro, N. Di Pietrantonio, C. Palmerini, P. Di Tomo, D. Mandatori, C. Giannini, A. Mohn, G. Bologna, G. Formoso, F. Chiarelli, A. Pandofi. EASD meeting 2019 Barcellona, 16-20 Settembre 2019.
- ***The Role of Vitamin K2 in Bone regeneration: from bench to bed side***
D.Mandatori, L.Penolazzi, C.Pipino, P. Di Tomo, N. Di Pietro, N. Di Pietrantonio, C. Palmerini, R.Piva, A. Pandolfi.
SCR meeting Milan 21-22-23 June 2018.
- ***The Dual Role Of Vitamin K2 In "Bone-Vascular Cross talk"***
D. Mandatori, L. Penolazzi, C. Pipino, P. Di Tomo, N. Di Pietro, A. Ranieri, V. Schiavone, N. Di Pietrantonio, C. Palmerini, R. Piva, A. Pandolfi.
XII National Convention Biodiversity, Environments, Health 13-14-15 June 2018.
- ***Anti-inflammatory Potential Role Of Carotenoids In Endothelial Cells Derived***

	<i>From Umbilical Cord Of Women Affected By Gestational Diabetes.</i> N. Di Pietrantonio, P. Di Tomo, M. Ucci, F. Trischler, V. Cordone Giuseppe Pio, P. Lanuti, G. Bologna, N. Di Pietro, C. Pipino, D. Mandatori, C. Palmerini, G. Formoso, A. Pandolfi. Abstract Presentation, XII National Convention Biodiversity, Environments, Health 13-14-15 June 2018. - <i>Potential Anti-inflammatory And/OR Antioxidant Role Of Ovotiol A In Diabetes Vascular Complications</i> P. Di Tomo, I. Castellano, S. Di Silvestre, N. Di Pietro, D. Mandatori, N. Di Pietrantonio, Caterina Pipino, Carola Palmerini, Gloria Formoso, Anna Palumbo, Assunta Pandolfi. XII National Convention Biodiversity, Environments, Health 13-14-15 June 2018. - <i>Potential role of Menaquinone-4 (MK-4) in reducing vascular smooth muscle cells (vSMCs) trans-differentiation into osteoblastic-like cells.</i> D. Mandatori, C. Pipino, N. Di Pietro, P. Di Tomo, S. Pantalone, S. Di Silvestre, N. Di Pietrantonio, M. Ucci, A. Pandolfi. SCR (Stem Cell Research Italy) 25-26-27 May 2017. - <i>Wharton's Jelly Mesenchymal Stem Cells from umbilical cords of gestational diabetic women as a potential model for the study of fetal programming in glucose metabolic disorders.</i> M. Ucci, D. Mandatori, C. Pipino, P. Di Tomo, L. Pierdomenico, S. Pantalone, S. Di Silvestre, N. Di Pietrantonio, N. Di Pietro, R. Piva, A. Pandolfi. SCR (Stem Cell Research Italy) 25-26-27 May 2017. - <i>Bovine breast milk: an underappreciated source of stem cells for regenerative medicine.</i> C. Pipino, D. Mandatori, F. Buccella, P. Di Tomo, P. Lanuti, S. Pantalone, G. Bologna, N. Di Pietrantonio, A. Prezioso, M. Ucci, A. Cichelli, R. Piva, G. Martino, A. Pandolfi. SCR (Stem Cell Research Italy) 25-26-27 May 2017.
Conferences	- EASD meeting (58th annual meeting), 2-6 October 2023, Hamburg (Germany). - Spring meeting giovani ricercatori 2023 SID, SIIA, SIMI, SIPREC e SISA. Rimini (Italy) 16-18 April 2023. - SID meeting (29° congress), 26-29 October 2022 - SCR (Stem Cell Research Italy) 8-10 June 2022. - Virtual EASD meeting (57th annual meeting) 27 September-1 October 2021. - ESC Congress 27-30 August 2021 - The Digital Experience - Cardiovascular program and Cardiovascular Research meeting. Karolinska Institute, Stockholm Yasuragi Hasseludden 28-29 November 2019. - "Italian-Swedish Health Summit on Diabetes and Cardiovascular Diseases" Karolinska Institute, Stockholm 14 October 2019.

Seminars

- 55th EASD Annual Meeting, 16-20 September 2019.
- XII National Convention Biodiversity, Environments, Health 13-14-15 June 2018
- Conference "Ask more about blood: New questions of pre-clinical research on Circular Endothelial Cells, Microvesicles, Multiparametric Analysis over 20 fluorescences".BD biosciences, Rome 20 June 2017.
- SCR (Stem Cell Research Italy) 25-36-27 May 2017.
- Conference "Clinical and pharmacological experimentation: University and Pharmaceutical Industry towards common objectives in a renewed Regulatory System" at the University G. d'Annunzio of Chieti-Pescara 11-12 September 2014
- Mini symposium: "Interaction between the red blood cell (RBC) and the endothelium in cardiometabolic disease". Karolinska Institute, Stockholm 4 March 2020.
- Effective academic writing for PhD students tomorrow. Larry McEnerney, University of Chicago. Karolinska Institute, Stockholm 4 September 2019.
- Discovers seminar series, DNA methylation as mediator of HLA-DRB1*15:01 and aprotective variant in Multiple sclerosis. Maja Jagodic, Department of Clinical Neuroscience. Karolinska Institute, Stockholm 10 April 2019.
- "Regulation of smooth muscle contractility" Prof Karl Swärd, Lund University. Karolinska Institute, Stockholm 9 April 2019.
- The Karolinska Institutet Discovers seminar series, DAF-16/FOXO and HLH-30/TFEB function as combinatorial transcription factors to promote stress resistance and longevity, Nature Communications October 2018. Christian Riedel Department of Biosciences and Nutrition. Karolinska Institute, Stockholm 20 March 2019.
- The Karolinska Institutet Discovers seminar series, Erythrocytes from patients with type 2 diabetes induce endothelial dysfunction via arginase I,Journal of the American College of Cardiology, August 2018 Professor John Pernow, Department of Medicine, Solna. Karolinska Institute, Stockholm 20 March 2019.

Book Chapters

- Caterina Pipino, Ilaria Cappellacci, Javier Stelling-Férez, Ángel Bernabé-García, Domitilla Mandatori, **Nadia Di Pietrantonio**, Carlos Navalón, Francisco José Nicolás and Assunta Pandolfi. (2023). **"Perinatal Tissues to Study In vitro Mechanisms of Inflammation and Angiogenesis: Novel Insight on Diabetic Non-Healing Wound"** Research Highlights in Disease and Health Research Vol. 3, DOI: 10.9734/bpi/rhdhr/v3/9248F
- Pipino, C., Cappellacci I., Pelusi, L., **Pietrantonio, N. D.**, Mandatori D., Pietro, N. D., & Pandolfi A. (2022). **"Amniotic Fluid Mesenchymal Stromal Cells as Innovative and Advantageous Resource for Bone Regeneration"**. New Horizons in Medicine and Medical Research Vol. 4, 1–20. <https://doi.org/10.9734/bpi/nhmmr/v4/3653E>

Peer-Reviewed Publications

1. Di Pietrantonio N, Cappellacci I, Mandatori D, Baldassarre MPA, Pandolfi A, Pipino C. **Role of Epigenetics and Metabolomics in Predicting Endothelial Dysfunction in Type 2 Diabetes**. Adv Biol (Weinh). 2023 Sep;7(9):e2300172. doi: 10.1002/adbi.202300172. Epub 2023 Aug 24. PMID: 37616517. Nadia Di Pietrantonio, Ilaria Cappellacci, Domitilla Mandatori, Maria Pompea Antonia Baldassarre, Assunta Pandolfi, and Caterina Pipino. **Impact factor 2022: 4.053. COVER ARTICLE in Adv Biol (Weinh). 2023**
2. 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 J Mol Sci. 2023 Apr 13;24(8):7225. doi: 10.3390/ijms24087225. PMID: 37108387; PMCID: PMC10138528. **Impact Factor 2022: 6.208.**
3. 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. PMID: 36766773; PMCID: PMC9914144. **Impact Factor 2022: 7.666.**
4. 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. PMID: 35956385; PMCID: PMC9370350. **Impact Factor:5.719**
5. Di Tomo P, Alessio N, Falone S, Pietrangelo L, Lanuti P, Cordone V, Santini SJ, **Di Pietrantonio N**, Marchisio M, Protasi F, Di Pietro N, Formoso G, Amicarelli F, Galderisi U, Pandolfi A. **"Endothelial cells from umbilical cord of women affected by gestational diabetes: A suitable in vitro model to study mechanisms of early vascular senescence in diabetes."** FASEB J. 2021 Jun;35(6):e21662. doi: 10.1096/fj.202002072RR. PMID: 34046935. **Impact Factor: 4.966**
6. **Nadia Di Pietrantonio**, Carola Palmerini, Caterina Pipino, Maria Pompea Antonia Baldassarre, Giuseppina Bologna, Angelika Mohn, Paola Lanuti, Francesco Chiarelli, Assunta Pandolfi, Natalia Di Pietro. **"Plasma from obese children increases monocyte-endothelial adhesion and affects intracellular insulin signaling: potential role of mTORC1-S6K1"**. Biochim Biophys Acta Mol Basis Dis a 2021 Jan 8;1867(4):166076. doi: 10.1016/j.bbdis.2021.166076. **Impact Factor: 5.187**
7. Mandatori D, Pipino C, Di Tomo P, Schiavone V, Ranieri A, Pantalone S, Di Silvestre S, **Di Pietrantonio N**, Ucci M, Palmerini C, Failli P, Di Pietro N*, Pandolfi A*. **"Osteogenic transdifferentiation of vascular smooth muscle cells isolated from spontaneously hypertensive rats and potential menaquinone-4**

inhibiting effect". * Last two authors equally contributed to the work J Cell Physiol. **2019** Nov;234(11):19761-19773. doi: 10.1002/jcp.28576. Epub 2019 Apr 1. PMID: 30937905
Impact factor: 5.546.

8. Di Pietro N, Potenza MA, Di Silvestre S, Addabbo F, **Di Pietrantonio N**, Di Tomo P, Pipino C, Mandatori D, Palmerini C, Failli P, Bonomini M, Montagnani M, Pandolfi A. ***"Calcimimetic R-568 vasodilatory effect on mesenteric vascular beds from normotensive (WKY) and spontaneously hypertensive (SHR) rats. Potential involvement of vascular smooth muscle cells (vSMCs)"***. PLoS One. **2018** Aug 9;13(8):e0202354. doi: 10.1371/journal.pone.0202354. eCollection 2018. PMID: 30092054. **Impact factor:2.776**

Firma:



Data: 02/09/2024