

CURRICULUM VITAE Rosalia D'ANGELO

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CURRENT POSITION

Associate Professor (BIOS-10/A Cellular Applied Biology) at the Department of Biomedical, Dental and Morphological and Functional Imaging Sciences, University of Messina.

EDUCATION AND TRAINING

Degree in Biological Sciences - University of Messina

Specialization in "Biochemistry and Clinical Chemistry - University of Messina

PhD in "Human Cellular Biology" - XV Cycle - University of Messina

ACADEMIC ROLES AND SPECIFIC PROFESSIONAL EXPERIENCES

From September 2022 - Internationalization Coordinator for the Course in Physiotherapy. University of Messina

From January 2022- Member of the Joint Teachers-Students Commission of the BIOMORF Department of the University of Messina.

June 2021 - National Scientific Qualification for the functions of Second Level Professor in the Competition Sector 05 / F1 (SSD BIO / 13 - Applied Biology)

November 2018-to date Member of the Didactic Commission of the Degree Course in Dentistry and Dental Prosthetics of the University of Messina

2016 Member of the "Roster" of individual experts in the 6 thematic areas of the Regional Innovation Strategy for Smart Specialization 2014/2020 S3 Sicily, in the industrial application of KET (Key Enabling Technologies) of European level and in the evaluation of economic sustainability- project finance (PO-ERDF2). Regional Department of Activities. Department of Productive Activities. Sicilian region.

March-October 2013- Member of the Didactic Commission of the Degree Course in Medicine and Surgery, University of Messina.

From 2013 to date - Member of the Research and Higher Education Commission, Department of Biomedical, Dental and Morphological and Functional Imaging Sciences, University of Messina.

2012-2013. Participation in the Register of Auditors for the evaluation of ministerial research programs and products.

2007. Member of the Scientific Disciplinary Area Committee 05-Biological Sciences Financial Years 2005-2006. University of Messina.

From December 2006 to February 2022-Permanent Researcher in Applied Biology (S.S.D.BIO/13) at the University of Messina.

2004- Scientific training at the section of Biology and Genetics of the Dept. of Oncology, Biology and Genetics of the University of Genoa, as part of the research activity on the pathogenesis of Cavernous Angiomas.

1998-1999 - Professional work at the Multidisciplinary Institute of Biochemical Sciences and Clinical Biochemistry - Faculty of Medicine and Surgery - University of Messina

MAIN RESEARCH TOPICS

The research activity is mainly focused on the study of the basic mechanisms involved in Cerebral Vascular Malformations such as Cerebral Cavernous Angiomas (CCM) and Arteriovenous Malformations (bAVM).

With regard to Cavernous Cerebral Angiomas (<https://www.ccmitalia.unito.it/>), the research activity is focused on the inheritance mechanisms of the three mutated CCM genes and their role in the onset of the CCM phenotype as well as on the identification of a fourth CCM gene, in the absence of mutations in the canonical genes. More recently, the study also focused on transcriptomic analysis conducted on endothelial cells isolated from CCM lesions, in order to identify dysregulated pathways such as those related to angiogenesis, ECM signaling, neuroinflammation and ROS metabolism. As regards the Arteriovenous Malformations (bAVM), the study is based on Whole Exome Sequencing analysis (WES), with the aim of identifying mutated genes involved in processes such as vasculomorphogenesis, vascular differentiation and ionic homeostasis, which if altered can lead to the bAVM phenotype. Another area of research concerns the study of the basic mechanisms involved in retinal degeneration with particular reference to Retinitis pigmentosa.

More precisely, the research is based on the analysis of the alteration of gene expression in cultures of retinal pigment epithelium under conditions of oxidative stress by means of RNA-Seq analysis, in order to identify new potentially associated / causative pathways of some hereditary forms of Retinitis pigmentosa. In addition, the focus is on the identification of non-coding RNAs (ncRNAs) involved in regulatory processes, the deregulation of which could play an important role in the etiopathogenesis of the group of pathologies in question.

Finally, the genetic aspects and molecular mechanisms underlying Trimethylaminuria, a rare metabolic disorder (<http://portale.unime.it/tmau-messina/contatti/>) are being studied.

SKILLS

Next Generation Sequencing, Bioinformatics, Biostatistics, Genomics, Molecular Genetics

PARTICIPATION IN RESEARCH PROJECTS

2023 – Principal Investigator of the University of Messina research unit within the PRIN 2022 project “An innovative cross-species transcriptome approach to target retinal cell dysfunction in age-related macular degeneration.” In collaboration with the Universities of L’Aquila and Trento. CUP: J53D23011050006 – Project ID: 2022PMMW5A

From 2013 to date - Member of the Operational Unit of Biology and Genetics of the University of Messina belonging to the Research Network of CCM Italia, the Italian Community for Cavernous Cerebral Malformations (<https://www.ccmitalia.unito.it/content/area-researchers>).

- 2011-Participation in the PRIN 2010-2011. Title: The “omics” sciences as a tool for translational research in neuroncology. Scientific Coordinator: Prof. Tomasello Francesco Area 06 medical sciences University of Messina Funding awarded: EUR 902.867

- 2004-Member of the group of the University of Messina participating in the PRIN entitled: Study of the role of KRIT1 in integrin-mediated cell adhesion and in the pathogenesis of cerebral cavernous malformations (CCM1). In collaboration with the Universities of Turin, Genoa, Siena, Pavia and EASTERN PIEDMONT "Amedeo Avogadro" -Vercelli Amount financed: EUR 256,000.00.

PARTICIPATION IN EDITORIAL COMMITTEES OF SCIENTIFIC JOURNALS AND IN THE DRAFTING OF BOOKS

- 2020 to date. Guest Editor for "LIFE" (ISSN 2075-1729) in the Special Issue "Genetics and Epigenetic Mechanisms of the Neurovascular Unit". (https://www.mdpi.com/journal/life/special_issues/Genetics_Epigenetic_Mechanisms)

- March 2020 to date. Member of the Topics Board of "Antioxidants" (ISSN 2076-3921). (https://www.mdpi.com/journal/antioxidants/topic_editors)

- 2020. Co-author of chapter 3 of volume I “L. Donato et al. Advances in Bioinformatics and Statistics Bentham Books ”

- 2018. Collaboration in the drafting of the work called "Elements of Biology and Genetics" (authors: P. Bonaldo, C. Crisafulli, R. D'Angelo, M. Francolini, S. Grimaudo, C. Rinaldi, P. Riva, M.G. Romanelli) Edition I / 2019. Update of chapters VI (Cell cycle and its regulation) and VII (Sexuality, reproduction and development).

- 2017. Associate Editor for BMC Medical Genetics (Clinical-molecular genetics and cytogenetics) • Organizing Committee Member of "International Conference and Exhibition on Genome Science" Jan 21-31, 2018, Las Vegas, USA https://helicsgroup.net/home/conference_details/2).

BELONGING TO SCIENTIFIC ASSOCIATIONS AND SOCIETIES

- From 2000 to date- Member of A.I.B.G. (Italian Association of Biology and General and Molecular Genetics)
 - From 2019 to date - Member of SIGU (Italian Society of Medical Genetics)
- From 2021 to date- Member of SIBS (Italian Society of Experimental Biology)

AWARDS AND ACKNOWLEDGMENT

2024 – Recipient of a €2,000 unrestricted donation supporting research on cerebral cavernous malformations (CCM), Molecular Genetics Laboratory, University of Messina."

July 2022-Recipient of a liberal donation for an amount of Euro 1,000.00 for the research activity on Cavernous Cerebral Malformations (CCM)" conducted in the Molecular Genetics laboratory of the Dip. of Biomedical Sciences and Morphological and Functional Imaging, University of Messina.

2021- Beneficiary of the FFABR UNIME 2021

2019-Beneficiary of the FFABR UNIME 2019

2018-Honorary Affiliation to the Research Body "EURO-MEDITERRANEAN INSTITUTE OF SCIENCE AND TECHNOLOGY (IEMEST) recognized by MIUR, registered in the National Research Registry and in the database of the European Commission for research associations, awarded with the "HR - Excellence in Research" recognition by the European Commission • November 2018 - Award for the best scientific production with HIGH TRANSLATIONAL PERSPECTIVES ON RETINITIS PIGMENTOSA received at the conference "Research Studies and Innovative Therapies to Defeat Retinitis Pigmentosa", promoted by the Italian Federation of Retina and Hypovision (F.I.R.I.) and by the Retinopathic Association and Visually Impaired Sicilians (A.R.I.S.) in the Aula Magna "M. Vignola" - P.O. "V. Cervello" in Palermo "(AWARD RECEIVED TOGETHER WITH: Antonina Sidoti, Luigi Donato, Concetta Scimone and Carmela Rinaldi).

2013- Recipient of a donation for an amount of Euro 2,500.00 for the research activity concerning "The genetic-molecular screening of the genes KRIT1, MGC4607 and PDCD10 identified as responsible for Cavernous Cerebral Malformations (CCM)" conducted in the laboratory of Biology and Genetics of the Department of Biomedical Sciences and Morphological and Functional Images, University of Messina.

ACTIVITY OF REVIEWER FOR SCIENTIFIC JOURNALS

International Journal of Medical Sciences (ISSN: 1449-1907)

Journal of the Neurological Sciences (ISSN: 0022-510X)

Journal of Neurology, Neurosurgery, and Psychiatry (ISSN: 1468-330X)

BMC Neurology (ISSN: 1471-2377)

European Journal of Medical Genetics (ISSN: 1769-7212)

Free Radical Biology and Medicine (ISSN: 1873-4596)

Progress in Retinal and Eye Research (ISSN: 1873-1635)

Cell Cycle (ISSN: 15384101)

TEACHING ACTIVITY MASTER STUDY COURSES

- . Teacher of Biology for the "SEMESTRE FILTRO" (A.A. 2025-2026)
- Degree in Medicine and Surgery. University of Messina. A.A. 2006-2007 current year: Lecturer for the teaching of Biology and Genetics. in the C.I. Biology and Genetics.
- Master's Degree in Dentistry and Dental Prosthetics. University of Messina. Academic Year 2009-2010 current year: Professor of Applied Biology teaching. From the A.Y. 2018-2019: Reference teacher.
- A.A. 2022-2023 Degree Course in Medicine and Surgery with Biotechnology. Teacher of Cell Biology.
- Master's Degree in Sciences and Techniques of Preventive and Adapted Motor Activity. University of Messina. A.A. 2005-2006: Adjunct Professor for the teaching of the Biology of Aging. A.A. 2007-2008 / 2008-2009: Lecturer in the teaching of the Biology of Aging.
- Specialized Degree in Sciences and Techniques of the diagnostic technical health professions. University of Messina. A.A. 2007-2008 / 2008-2009: Lecturer in Applied Biology teaching.

THREE YEAR COURSES

- Degree in Exercise and Sports Sciences. University of Messina. A.A. 2005-2006: Adjunct professor for the teaching of Biology and Genetics. A.Y.2007-2008 / 2008 2009: Lecturer in the teaching of Biology and Genetics.
- Degree in Biomedical Laboratory Techniques. University of Messina. A.A. 2007-2008 / 2008- 2009: Lecturer in Applied Biology teaching
- Degree in Nursing. University of Messina. A.A. 2007-2008 / 2008-2009 / 2011-2012 / 2012-2013 current year: Professor of Applied Biology, C.I. "Biological basis of life" (1st (until 2022) and 2nd channel). Coordinator of the Integrated Course "Biological Bases of Life" (Channel 2, 1st year, 1st Semester) from the A.Y. 2015/2016 to current year.
- CdS in Nursing. University of Messina. A.Y. 2007-2008/ 2008-2009/ 2011-2012/2012-2013 to 2021-2022: Professor of Applied Biology, C.I. "Biological Bases of Life" (1st channel-Messina).

- Course in Orthoptics and Ophthalmological Assistance. University of Messina. A.A. 2007-2008 / 2008-2009: Lecturer in Applied Biology teaching
 - CdS in Obstetrics. University of Messina. A.A. 2008-2009: Lecturer in Applied Biology teaching.
 - CdS in Medical Radiology Techniques, Imaging and Radiotherapy. University of Messina. A.A. 2008/2009:
 - Lecturer in Applied Biology teaching Course in Physiotherapy. University of Messina. A.A. 2012/2013 to the current year: Professor of Applied Biology, C.I. "Biological and Molecular Bases". Coordinator of the Integrated Course "Biological and Molecular Bases" (1st year, 1st Semester) from the A.Y. 2015/2016 to current year.
 - Degree in Biotechnology. University of Messina A.A. 2017-2018 / 2018-2019: Lecturer for the teaching of Cell Biology C.I. Cellular and Tissue Biology. A.A. 2020-2021: Seminar activity within the teaching of Cell Biology C.I. Cellular and Tissue Biology.
- . Degree in Prevention Technicians in Occupational and Environmental Health A.A. 2023-2024 to the current year: Professor of Applied Biology

SPECIALIZATION SCHOOLS

- A.A. 2009-2010 School of Specialization in Medical Genetics

MASTER'S DEGREE

- Didactic activity in the context of the II level Master in "ADVANCED MEDICAL BIOTECHNOLOGIES FOR LABORATORY DIAGNOSTICS", University of Messina (A.Y. 2016/2017 and 2017/2018).
- Member of the Organizing Committee and of the Teaching Body of the Master in "BIOINFORMATICS AND STATISTICS APPLIED TO SCIENCES" activated by the Euro - Mediterranean Institute of Science and Technology (I.E.ME.S.T.) based in Palermo. Early March 2019 - Duration 6 months. Hours 300.

PARTICIPATION IN THE COLLEGE OF TEACHERS OF RESEARCH DOCTORATES ACCREDITED BY THE MINISTRY

- PhD in "NEUROBIOMORPHOLOGICAL, OPHTHALMOLOGICAL AND GENETIC SCIENCES" (DOT0714839). University of Messina Academic year starting: 2007. Cycle: XXIII.
- Research Doctorate in "RECEPTOR SCIENCES AND POSTURE" (DOT0914958). University of Messina. Academic start year: 2009. Cycle: XXV.
- PhD in "CELLULAR BIOLOGY AND BIOTECHNOLOGY" (DOT0314048). University of Messina Academic year starting: 2011. Cycle: XXVII.
- PhD in "CELLULAR BIOLOGY AND BIOTECHNOLOGY" (DOT0314048). University of Messina Academic year starting: 2012. Cycle: XXVIII.
- PhD in "APPLIED BIOLOGY AND EXPERIMENTAL MEDICINE" (DOT1314952). University of Messina Academic year starting: 2013. Cycle: XXIX.

CONTRACTS FOR OCCASIONAL SELF-EMPLOYMENT COLLABORATION FOR SEMINAR TEACHING ACTIVITIES

- Seminar entitled "University Objective: my future and Biology" as part of the "Orientation course, pilot study" 2017/2018 for the Liceo Scientifico Seguenza, Messina. Assigned body: ERSU Messina (Regional Body for the Right to University Education).
- Seminar entitled "Levels of organization of Living Matter" as part of the "Preparation course for passing university tests for entry to degree courses with scheduled access at national level A.A. 2018/2019 - winter edition 2018. Assigning body: ERSU Messina (Regional Body for the Right to University Education).
- Seminar entitled "University Objective: my future and Biology - Levels of organization of Living Matter" as part of the "Preparation course for passing university tests for admission to degree courses with scheduled access at national level A.Y. 2018 / 2019- summer edition 2018. Assigning body: ERSU Messina (Regional Body for the Right to University Education).
- Seminar entitled "My future and Biology - Levels of organization of Living Matter" as part of the "Preparation course for passing university tests for entry to degree courses with scheduled access at national level A.Y. 2019 / 2020- summer edition 2019. Assigning body: ERSU Messina (Regional Body for the Right to University Education)

Total citations: 1.582 (by Scopus, April 2026)

h-index = 29 (by Scopus, April 2026)

SCIENTIFIC PRODUCTION OF THE LAST 5 YEARS

1. Donato L, Zerti D, Babiloni-Chust I, Passacantando M, Flati V, Feligioni M, Carl M, Rinaldi C, Poggi L, **D'Angelo R**, Maccarone R. (2026) Comprehensive transcriptomic analysis reveals canonical and novel pathways modulated by nanoceria in mammalian retinal degeneration. *Sci Rep.* 2026 Jan 3;16(1):3689. doi: 10.1038/s41598-025-33260-8.
2. Ignacio Babiloni-Chust, Luigi Donato, Samuele Sartori, Matthias Carl, Darin Zerti, Carmela Rinaldi, Vincenzo Flati, Marco Feligioni, **Rosalia D'Angelo**, Rita Maccarone, Lucia Poggi (2026) Oxidative Stress Signaling and Regenerative Responses in a Larval Zebrafish Model of Retinal Light Damage Antioxidants 2026, 15(3), 348; <https://doi.org/10.3390/antiox15030348>
3. Alibrandi S, Mordà D, Germanò A, Conti A, Vinci SL, **D'Angelo R**, Donato L, Sidoti A, Scimone C. (2026) Combined exome and RNA-seq analysis in patients with rare non-syndromic inherited brain arteriovenous malformation suggests a novel function for PTPN13 in arterial specification. *Thromb Res.* 2026 Jan;257:109563. doi: 10.1016/j.thromres.2025.109563. Epub 2025 Dec 13.
4. Mordà D, Donato L, Alibrandi S, Rinaldi C, Alafaci C, Vinci SL, Sidoti A, **D'Angelo R**, Scimone C. (2026) Circulating lncRNAs Remark Expression Profile of Cerebrovascular Malformation Endothelial Cells. *FASEB J.* 2026 Feb 28;40(4):e71550. doi: 10.1096/fj.202504229R.
5. Alibrandi S, Rinaldi C, Vinci SL, Conti A, Donato L, Scimone C, Sidoti A, **D'Angelo R** (2025) Mechanotransduction in Development: A Focus on Angiogenesis. *Biology (Basel).* 27;14(4):346. doi: 10.3390/biology14040346. [IF = 3.5]

6. Mordà D, Alibrandi S, Scimone C, Rinaldi C, Scalinci SZ, Abate G, **D'Angelo R**, Sidoti A, Donato L. (2025) Decoding pediatric inherited retinal dystrophies: Bridging genetic complexity and clinical heterogeneity. *Prog Retin Eye Res.* 23;109:101405. doi: 10.1016/j.preteyeres.2025.101405 [IF = 14.7]
7. Alibrandi S, Donato L, Mordà D, Navarra G, Tonante A, D'Ascola A, Aliquò F, Scimone C, Sidoti A, **D'Angelo R**. (2025) First report of PDCD10 somatic mutation in liver cavernous malformation. *Mol Biol Rep.* 30;52(1):519. doi: 10.1007/s11033-025-10643-8. [IF = 2.8]
8. Alibrandi S, Mordà D, Scimone C, D'ascola A, Aliquò F, Pozzato A, Scalinci SZ, **D'Angelo R**, Sidoti A, Donato L. (2025) QMR® and Patient Blood-Derived Secretome Modulate RPE microRNA Networks Under Oxidative Stress. *Int J Mol Sci.* 4;26(17):8614. doi: 10.3390/ijms26178614. [IF = 4.9]
9. Sidoti A, **D'Angelo R**, Castagnetti A, Viciani E, Scimone C, Alibrandi S, Giannini G. (2024) Exploring Trimethylaminuria: Genetics and Molecular Mechanisms, Epidemiology, and Emerging Therapeutic Strategies. *Biology (Basel).* 22;13(12):961. doi: 10.3390/biology13120961. [IF = 3.5]
10. Donato L, Mordà D, Scimone C, Alibrandi S, **D'Angelo R**, Sidoti A. (2024) From powerhouse to regulator: The role of mitoepigenetics in mitochondrion-related cellular functions and human diseases. *Free Radic Biol Med.* 218:105-119. doi: 10.1016/j.freeradbiomed.2024.03.025. [IF = 7.4]
11. Donato L, Scimone C, Alibrandi S, Mordà D, Anchesi I, Scalinci SZ, Rinaldi C, **D'Angelo R**, Sidoti A. (2024) Investigating G-quadruplex structures in RPGR gene: Implications for understanding X-linked retinal degeneration. *Heliyon.* 18;10(8):e29828. doi: 10.1016/j.heliyon.2024.e29828. [IF = 4.3]
12. Donato L, Scimone C, Alibrandi S, Vadalà M, Castellucci M, Bonfiglio VME, Scalinci SZ, Abate G, **D'Angelo R**, Sidoti A. (2024) The genomic mosaic of mitochondrial dysfunction: Decoding nuclear and mitochondrial epigenetic contributions to maternally inherited diabetes and deafness pathogenesis. *Heliyon.* 17;10(14):e34756. doi: 10.1016/j.heliyon.2024.e34756. [IF = 4.3]
13. Scimone C, Donato L, Alibrandi S, Conti A, Bortolotti C, Germanò A, Alafaci C, Vinci SL, **D'Angelo R**, Sidoti A. (2024) Methylome analysis of endothelial cells suggests new insights on sporadic brain arteriovenous malformation. *Heliyon.* 30;10(15):e35126. doi: 10.1016/j.heliyon.2024.e35126. [IF = 4.3]
14. Nicita F, Calapaj M, Alibrandi S, Donato L, Aquilio E, **D'Angelo R**, Sidoti A. (2024) Efficacy of an experimental gaseous ozone-based sterilization method for clear aligners. *Angle Orthod.* 2024 Mar 1;94(2):194-199. doi: 10.2319/061623-421.1. [IF = 3.2]
15. Concetta Scimone, Simona Alibrandi , Luigi Donato, GiuseppeValerio DeGaetano, Carmela Fusco , Grazia Nardella , Marco Castori , Carmela Rinaldi , Concetta Alafaci , Antonino Germanò , **Rosalia D'Angelo**, Antonina Sidoti (2023) Amplification of protease-activated receptors signaling in sporadic cerebral cavernous malformation endothelial cells. *Biochim Biophys Acta Mol Cell Res* Apr 6;119474. doi: 10.1016/j.bbamcr.2023.119474. [IF = 5.011]
16. Luigi Donato, Concetta Scimone, Simona Alibrandi, Sergio Zaccaria Scalinci, Domenico Mordà, Carmela Rinaldi, **Rosalia D'Angelo**, Antonina Sidoti (2023) Human retinal secretome: A cross link between mesenchymal and retinal cells. *World Journal of Stem Cells (In press)* [IF = 5.247]
17. Donato L, Mordà D, Scimone C, Alibrandi S, **D'Angelo R**, Sidoti A. (2023) How Many Alzheimer-Perusini's Atypical Forms Do We Still Have to Discover? *Biomedicines.* Jul 19;11(7):2035. doi: 10.3390/biomedicines11072035. [IF = 4.7]
18. Donato L, Mordà D, Scimone C, Alibrandi S, **D'Angelo R**, Sidoti A. Bridging Retinal and Cerebral Neurodegeneration: A Focus on Crosslinks between Alzheimer-Perusini's Disease and Retinal Dystrophies. *Biomedicines.* Dec 8;11(12):3258. doi:10.3390/biomedicines11123258. [IF = 4.7]
19. Donato L, Scimone C, Alibrandi S, Scalinci SZ, Mordà D, Rinaldi C, **D'Angelo R**, Sidoti A. Human retinal secretome: A cross-link between mesenchymal and retinal cells. *World J Stem Cells.* 2023 Jul 26;15(7):665-686. doi: 10.4252/wjsc.v15.i7.665. [IF = 5.247]
20. Concetta Scimone, Simona Alibrandi , Luigi Donato, GiuseppeValerio DeGaetano, Carmela Fusco , Grazia Nardella , Marco Castori , Carmela Rinaldi , Concetta Alafaci , Antonino Germanò , **Rosalia D'Angelo**, Antonina Sidoti (2023) Amplification of protease-activated receptors signaling in sporadic

- cerebral cavernous malformation endothelial cells. *Biochim Biophys Acta Mol Cell Res* Apr 6;119474. doi: 10.1016/j.bbamcr.2023.119474. [IF = 5.011]
21. Concetta Scimone, Luigi Donato, Simona Alibrandi, Concetta Alafaci, Angela D'Ascola, Sergio Vinci, **Rosalia D'Angelo**, Antonina Sidoti (2022). Deciphering impact of single nucleotide polymorphisms on co-transcriptional modification in CCM gene mRNAs. *American Journal of Physiology-Cell Physiology*. 12 Sep 2022 <https://doi.org/10.1152/ajpcell.00279.2022> [IF = 5.282]
 22. Luigi Donato, Concetta Scimone, Simona Alibrandi, Sergio Zaccaria Scalinci, Carmela Rinaldi, **Rosalia D'Angelo**, Antonina Sidoti (2022). Epitranscriptome Analysis of Oxidative Stressed Retinal Epithelial Cells Depicted a Possible RNA Editing Landscape of Retinal Degeneration. *Antioxidants* 2022, 11, 1967. <https://doi.org/10.3390/antiox11101967> [IF = 7.675]
 23. Scimone C, Donato L, Alibrandi S, **D'Angelo R**, Sidoti A. (2022) Evidences of PIEZO1 involvement in cerebral cavernous malformation pathogenesis. *Microvasc Res*. 2022 May;141:104342. doi: 10.1016/j.mvr.2022.104342. Epub 2022 Feb 14. [IF = 3.55]
 24. Scimone C, Alibrandi S, Donato L, Alafaci C, Germanò A, Vinci SL, **D'Angelo R**, Sidoti A Editome landscape of CCM-derived endothelial cells *RNA Biology*, 01 Jan 2022, 19(1):852- 865. [IF =4.652]
 25. Acri G. , Micali A., **D'Angelo R.**, Puzzolo D., Aragona P., Testagrossa B , Aragona E., Edward Wylegala E., Nowinska A (2022) Raman Spectroscopic Study of Amyloid Deposits in Gelatinous Drop-like Corneal Dystrophy. *J Clin Med* . 2022 Mar 4;11(5):1403. doi: 10.3390/jcm11051403. [IF = 5.583]