

PERSONAL INFORMATION

Rosario Rizzuto



Affiliation
 Dept. Biomedical Sciences
 University of Padua
 Via Ugo Bassi 58/B, 35131 Padua, Italy
 049 8276038 +39 3386601169
rosario.rizzuto@unipd.it
<http://www.biomed.unipd.it/people/rizzuto-rosario/>
 Sex Male | Date of birth 15/04/1962 | Nationality Italian

Enterprise	University	EPR
☐ Management Level	☒ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
☐ Mid-Management Level	☐ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

Replace with dates (from - to)

2019-date
 Coimbra Group Universities
 Member of the Rectors' Advisory Group
2019-date
 European University Association (EUA)
 Member of the Research Policy Working Group
2019-date.
 Conference of the Rectors of Italian Universities (CRUI), Rome, Italy
 Member of the steering committee ("Giunta") and delegate for Research and Innovation.
 Coordinator of the Research Committee
2015-2021
 University of Padua, Padua, Italy. Rector
2009-2015
 Department of Biomedical Sciences
 University of Padua, Padua, Italy. Head of the Department
2008-date
 Department of Biomedical Sciences
 University of Padua, Padua, Italy. Full Professor of General Pathology
2007-2008
 School of Pharmacy
 University of Ferrara, Ferrara, Italy. Den of the School
2002-2008
 School of Pharmacy
 University of Ferrara, Ferrara, Italy. Full Professor of General Pathology
1998-2002
 School of Pharmacy
 University of Ferrara, Ferrara, Italy. Associate Professor of General Pathology
1992-1998
 School of Medicine
 University of Padua, Padua, Italy. Assistant Professor of General Pathology
1991-1992
 Department of Experimental Biomedical Sciences
 University of Padua, Padua, Italy. Research Associate

EDUCATION AND TRAINING

Replace with dates (from - to)

1991
 University of Padua, Padua, Italy
 Department of Experimental Biomedical Sciences
 Ph.D. in Molecular and Cellular Biology and Pathology
1987-88
 Columbia University, New York, USA
 H. Merritt Center for the Study of Neuromuscular Disorders
 2-year research stage
1986
 University of Padua, Padua, Italy
 School of Medicine
 Medical degree, summa cum laude

Replace with EQF
 (or other) level if
 relevant

WORK ACTIVITIES

Awards	2020: Commander of the order of merit of the Italian Republic 2014: Antonio Feltrinelli Award of the Accademia dei Lincei 2004: Theodore Bucher Medal 2002: Chiara D'Onofrio Prize for major contributions in the field of molecular and cellular biology 2001: Biotec Award
Editorial activity	Prof. Rizzuto routinely acts as reviewer for international scientific journals (Nature, Science, Cell, J. Cell Biol., EMBO J., J. Biol. Chem., Trends Cell Biol., etc.) and granting agencies (Wellcome Trust, BBSRC, AIRC, etc.).
Invited presentations	Prof. Rizzuto gave >300 lectures at national and international meetings and seminars in Universities and Research Institutes.
Grants	2017-2021 Telethon 2016 2017-2019 AIRC IG 2016 2020-2023 Finalizzata RF2016-02363566 2017-2019 Stars UNIPD 2016 2020-2024 Cariparo Eccellenza 2018 2019-2023 AIRC 5x1000 2018 PRIN2020

ADDITIONAL INFORMATION

Publications	98 publications in peer-review journals in the last ten years (2022-2012) 1067.99 Impact Factor (2020 journal IF was) of the total papers of last ten years 11.12 Average IF/paper of the last ten years 10901 Citations 2012-2022 40578 Total Citations 101 H Index
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- Di Marco G, Vallese F, Jourde B, Bergsdorf C, Sturlese M, De Mario A, Techer-Etienne V, Haasen D, Oberhauser B, Schleegeer S, Minetti G, Moro S, Rizzuto R, De Stefani D, Fornaro M, Mammucari C. A High-Throughput Screening Identifies MICU1 Targeting Compounds. *Cell Rep.* 2020 Feb 18;30(7):2321-2331.e6. doi: 10.1016/j.celrep.2020.01.081.
- Paggio, V. Checchetto, A. Campo, R. Menabò, G. Di Marco, F. Di Lisa, I. Szabo, R. Rizzuto, D. De Stefani (2019). Identification of an ATP-sensitive potassium channel in mitochondria. *Nature* 572:609-613. doi: 10.1038/s41586-019-1498-3. Epub 2019 Aug 21.
- Gherardi G, Nogara L, Ciciliot S, Fadini GP, Blaauw B, Braghetta P, Bonaldo P, De Stefani D, Rizzuto R, Mammucari C. Loss of mitochondrial calcium uniporter rewires skeletal muscle metabolism and substrate preference. *Cell Death Differ.* 2019 Jan;26(2):362-381. doi: 10.1038/s41418-018-0191-7. Epub 2018 Sep 19.
- Zaglia T, Ceriotti P, Campo A, Borile G, Armani A, Carullo P, Prando V, Coppini R, Vida V, Stølen TO, Ulrik W, Cerbai E, Stellin G, Faggian G, De Stefani D, Sandri M, Rizzuto R, Di Lisa F, Pozzan T, Catalucci D, Mongillo M. Content of mitochondrial calcium uniporter (MCU) in cardiomyocytes is regulated by microRNA-1 in physiologic and pathologic hypertrophy. *Proc Natl Acad Sci U S A.* 2017 Oct 24;114(43):E9006-E9015. doi: 10.1073/pnas.1708772114. Epub 2017 Oct 9.
- Zampieri S, Mammucari C, Romanello V, Barberi L, Pietrangeli L, Fusella A, Mosole S, Gherardi G, Höfer C, Löffler S, Sarabon N, Cvecka J, Krenn M, Carraro U, Kern H, Protasi F, Musarò A, Sandri M, Rizzuto R. Physical exercise in aging human skeletal muscle increases mitochondrial calcium uniporter expression levels and affects mitochondria dynamics. *Physiol Rep.* 2016 Dec;4(24):e13005. doi: 10.14814/phy2.13005.
- Medina DL, Di Paola S, Peluso I, Armani A, De Stefani D, Venditti R, Montefusco S, Scotto-Rosato A, Prezioso C, Forrester A, Settembre C, Wang W, Gao Q, Xu H, Sandri M, Rizzuto R, De Matteis MA, Ballabio A. Lysosomal calcium signalling regulates autophagy through calcineurin and TFEB. *Nat Cell Biol.* 2015 Mar;17(3):288-99. doi: 10.1038/ncb3114.
- M. Patron, V. Checchetto, A. Raffaello, E. Teardo, D. Vecellio Reane, M. Mantoan, V. Granatiero, I. Szabò, D. De Stefani and R. Rizzuto (2014) MICU1 and MICU2 finely tune the mitochondrial Ca^{2+} uniporter by exerting opposite effects on MCU activity. *Mol. Cell* 53:726-737. doi: 10.1016/j.molcel.2014.01.013. Epub 2014 Feb 20.
- A. Raffaello, D. De Stefani, D. Sabbadin, E. Teardo, G. Merli, A. Picard, V. Checchetto, S. Moro, I. Szabò, R. Rizzuto (2013) The mitochondrial calcium uniporter is a multimer that can include a dominant-negative pore-forming subunit. *EMBO J.* 32:2362-76. doi: 10.1038/emboj.2013.157. 2013 Jul 30.
- R. Rizzuto, D. De Stefani, A. Raffaello, C. Mammucari (2012) Mitochondria as sensors and regulators of calcium signalling. *Nat. Rev. Mol. Cell Biol.* 9, 566-578. doi: 10.1038/nrm3412. Epub 2012 Aug 1
- D. De Stefani, A. Raffaello, E. Teardo, I. Szabo, R. Rizzuto (2011) A forty-kilodalton protein of the inner membrane is the mitochondrial calcium uniporter. *Nature* 476:336-340. doi: 10.1038/nature10230.



Padova, 02/02/2022