

Roberto Papait, Ph.D

Education

- 2005** PhD Degree in Evolutionistic and Developmental Biology- University of Insubria, Varese, Italy
- 1998** Biology Degree, Summa cum laude, University of Milan, Italy

Brief chronology of employment

- 2018-today** Researcher, University of Insubria, Varese; Italy
- 2011-2018** Research Collaborator, Department of Molecular Cardiology, IRCCS Humanitas –Milan
- 2011-2018** Researcher, Institute of Genetics and Biomedical Research (IRGB)- CNR, Milan,
- 2008-2011** Research Collaborator, Department of Cardiovascular Research, IRCCS Multimedica, Milan
- 2006-2008** Research Collaborator, Dialectica spin-off, Nerviano Medical Sciences, Milan
- 2004-2006** Post-doctoral Fellow, Department of Structural and Functional Biology, University of Insubria, Varese, Italy
- 2001-2004** Ph.D student, University of Insubria
- 1998-2001** Graduate student, Department of Oncology, European Institute of Oncology (IEO), Milan

Publications

To date, Dr Papait has published 21 peer-reviewed manuscripts, and 2 book chapters publications. He has a:

h-index(calculated with SCOPUS): 15
total impact factor: 203,054
number of citations: 1150.

Google Scholar ID: <https://scholar.google.it/citations?user=eQyzFakAAAAJ>
SCOPUS Author ID: 6506896136

List of peer-review articles

- 1 Elia L, Kunderfranco P, Carullo P, Vacchiano M, Farina FM, Hall IF, Mantero S, Panico C, **Papait R**, Condorelli G, Quintavalle M. UHRF1 epigenetically orchestrates smooth muscle cell plasticity in arterial disease. *J Clin Invest.* 2018 Jun 1;128(6):2473-2486. doi: 10.1172/JCI96121.
Citazioni: 5 IF 13.251
- 2 **Papait R***, Serio S., Pagiatakis C., Rusconi F., Carullo P., Mazzola M., Salvarani N., Miragoli M., Condorelli G*. Histone methyltransferase G9a is required for cardiomyocyte homeostasis and hypertrophy. *Circulation* 2017 Sep 26;136(13):1233-1246. doi: 10.1161/CIRCULATIONAHA.117.028561. [Epub ahead of print]
*** Autore Co-corrispondente.**
Citazioni: 17 IF 18.88
- 3 Rubino M., Kunderfranco P., Basso G., Greco C.M., Pasqualini F., Serio S., Roncalli M., Laghi L., Mantovani A., **Papait R***, Garlanda C*. Epigenetic regulation of the extrinsic oncosuppressor PTX3 gene in inflammation and cancer. *Oncolmmunology* 2017 In press
doi: 10.1080/2162402X.2017.1333215
*** Autore Co-corrispondente**
Citazioni: 6 IF 7.719

-
- 4 Kallikourdis M, Martini E, Carullo P, Sardi C, Roselli G, Greco CM, Vignali D, Riva F, Ormbostad Berre AM, Stølen TO, Fumero A, Faggian G, Di Pasquale E, Elia L, Rumio C, Catalucci D, **Papait R**, Condorelli G. T cell costimulation blockade blunts pressure overload-induced heart failure. *Nat Commun.* 2017 Mar 6;8:14680. doi: 10.1038/ncomms14680.
Citazioni: 26 IF 11.329

 - 5 Carolina M. G., Kunderfranco P, Rubino M, Larcher V, Carullo P, Anselmo A, Kurz K, Carell T, Angius A, Latronico MVG, **Papait R**, Condorelli G. DNA hydroxymethylation controls cardiomyocyte gene expression in development and hypertrophy. *Nat Commun.* 2016 Aug 4;7:12418. doi: 10.1038/ncomms12418.
Citazioni: 45 IF 11.329

 - 6 It's time for an epigenomics roadmap of heart failure.
Papait R*, Corrado N, Rusconi F, Serio S, Latronico MVG
CURRENT GENOMICS, 2015, 16(4):245-252.
DOI: 10.2174/1389202916666150423002311
*** Autore Co-corrispondente.**
Citazioni: 2 IF 2.342

 - 7 PTX3 is an extrinsic oncosuppressor regulating complement-dependent inflammation in cancer.
Bonavita E, Gentile S, Rubino M, Maina V, **Papait R**, Kunderfranco P, Greco C, Feruglio F, Molgora M, Laface I, Tartari S, Doni A, Pasqualini F, Barbati E, Basso G, Galdiero M.R, Nebuloni M, Roncalli M, Colombo, P., Laghi, L., Lambiris J.D, Jaillon S, Garlanda C, Mantovani A.
CELL 2015 Feb 12;160(4):700-14. doi: 10.1016/j.cell.2015.01.004
Citazioni: 107 IF 28.710

 - 8 DOT1L-mediated H3K79me2 modification critically regulates gene expression during cardiomyocyte differentiation.
Cattaneo P, Kunderfranco P, Greco C, Guffanti A, Stirparo GG, Rusconi F, Rizzi R, Di Pasquale E, Locatelli SL, Latronico MV, Bearzi C, **Papait R***, Condorelli G*.
CELL DEATH DIFFER. 2014. doi: 10.1038/cdd.2014.199
*** Autore Co-corrispondente**
Citazioni: 14 IF 8.184

 - 9 Genome-wide analysis of histone marks identifying an epigenetic signature of promoters and enhancers underlying cardiac hypertrophy.
Papait R*, Cattaneo P, Kunderfranco P, Greco C, Carullo P, Guffanti A, Viganò V, StirparoGG, Latronico MV, Hasenfuss G, Chen J, Condorelli G*.
PROC NATL ACAD SCI USA Dec 10; 110 (50), 2013. doi: 10.1073/pnas.1315155110;
*** Autore Co-corrispondente**
Citazioni: 86 IF 9,809

 - 10 Adult c-kit(pos) Cardiac Stem Cells Are Necessary and Sufficient for Functional Cardiac Regeneration and Repair.
Ellison GM, Vicinanza C, Smith AJ, Aquila I, Leone A, Waring CD, Henning BJ, Stirparo GG, **Papait R**, Scarfò M, Agosti V, Viglietto G, Condorelli G, Indolfi C, Ottolenghi S, Torella D, Nadal-Ginard B. Adult c-kit(pos) Cardiac Stem Cells Are Necessary and Sufficient for Functional Cardiac Regeneration and Repair.
CELL Aug 15;154(4):827-42, 2013. doi: 10.1016/j.cell.2013.07.039.
Citazioni: 309 IF 33.116

 - 11 Long Noncoding RNA: a New Player of Heart Failure?
Papait R*, Kunderfranco P, Stirparo GG, Latronico MV, Condorelli G*.
J CARDIOVASCULAR TRANSL RES. Dec;6(6):876-83, 2013. doi: 10.1007/s12265-013-9488-6.
***Autore Co-corrispondente**
Citazioni: 55 IF 2,95

 - 12 Epigenetics: a new mechanism of regulation of heart failure?

Papait R*, Greco C., Kunderfranco P., Latronico M. and Condorelli G*
BASIC RES. CARD. Jul;108(4):361- 2013. doi: 10.1007/s00395-013-0361-1

* **Autore Co-corrispondente**

Citazioni: 39 IF 5.955

- 13 Post-natal cardiomyocytes can generate iPS cells with an enhanced capacity toward cardiomyogenic re-differentiation.
Rizzi R, Di Pasquale E, Portararo P, Papait R, Cattaneo P, Latronico MV, Altomare C, Sala L, Zaza A, Hirsch E, Naldini L, Condorelli G, Bearzi C.
CELL DEATH DIFFER. Jul;19(7):1162-74, 2012. doi: 10.1038/cdd.2011.205. 2010
Citazioni: 34 IF 9.05
- 14 Epigenetics in heart failure
ANN. N.Y. ACAD. SCI, Feb 1188: 159-64, 2010. Review doi: 10.1111/j.1749-6632.2009.05096.x
Papait, R., and Condorelli, G.
Citazioni: 15 IF 2.51
- 15 Adaptation of NS cells growth and differentiation to high-throughput screening- compatible plates
Garavaglia A., Moiana A., Camnasio S., Bolognini D, **Papait R.**, Rigamonti D., and Cattaneo E.
BMC NEUROSCIENCE Jan 19;11:7,2010. doi: 10.1186/1471-2202-11-7.
Citazioni: 8 IF 1.5
- 16 Novel approaches on epigenetics.
Papait R., Monti E., and Bonapace IM
CURR. OPIN. DRUG. DISCOV. DEVEL. Vol. 12(2): p. 264-75, 2009.
Citazioni: 18 IF 4.904
- 17 Temozolomide and carmustine cause large-scale heterochromatin reorganization in glioma cells.
Papait R., Magrassi L., Rigamonti D., and Cattaneo E.
BIOCHEM. BIOPHYS. RES. COMMUN. Vol. 379(2): p. 434-9, 2009. doi: 10.1016/j.bbrc.2008.12.091.
Citazioni: 20 IF 3.52
- 18 The PHD Domain of Np95 (mUHRF1) is involved in large-scale reorganization of pericentromeric heterochromatin.
Papait R. Pistore C. Grazini U. Babbio F. Cogliati S. Pecoraro D. Brino L., Morand AL, Dechampesme AM., Spada F., Leonhardt H., McBlane F., Oudet P., and Bonapace IM.
MOL. BIOL. CELL. Vol. 19(8): p. 3554-63, 2008. doi: 10.1091/mbc.E07-10-1059.
Citazioni: 56 IF 5.29
- 19 Np95 is implicated in pericentromeric heterochromatin replication and in major satellite silencing.
Papait R., Pistore C, Negri D. Pecoraro D, Cantarini L, and Bonapace IM.
MOL. BIOL. CELL. Vol. 18(3): p. 1098-106, 2007.
Citazioni: 73 IF 4.99
- 20 Np95 is a histone-binding protein endowed with ubiquitin ligase activity.
Citterio E*, **Papait R***, Nicassio F., Vecchi M., Gomiero P., Mantovani R., Di Fiore P.P., Bonapace IM.
MOL. CELL BIOL. Vol. 24(6): p. 2526-35, 2004.
***Questi autori hanno contribuito equamente**
Citazioni: 137 IF 7.822
- 21 Np95 is regulated by E1A during mitotic reactivation of terminally differentiated cells and is essential for S phase entry.
Bonapace IM, Latella L, **Papait R.**, Nicassio F., Sacco A., Muto M., Crescenzi M., Di Fiore PP.
J. CELL BIOL. Vol. 157(6) p. 909-14,2002.
Citazioni: 71 IF 9.90

Book Chapters

- 1 Pagiatakis C, Serio S, **Papait R**. Using epigenetics as a pharmacological tool in heart regeneration. Chapter 24 of book Epigenetics and Regeneration eds Daniela Palacios Elsevier/Academic Press 2019,
- 2 **Papait R**, Cattaneo P, Latronico M.V.G., and Condorelli G. Epigenetics in cardiovascular biology. Chapter 24 of book Muscle, eds Hill J. And Olson E.R. Elsevier/Academic Press, 2012,

Grants

- 2012 Head of unit "Identification and characterization of the process of methylation involved in aging methylation" of project of the Italian Ministry for Education, Universities and Research "Identification aging: molecular and technology innovations for improving the health of the elderly" – 300000 €/3 years.
- 2012 Head of unit " The role of DNA methylation and histone modifications in governing gene expression changes underline of heart failure"- of project "EPIGEN"- Italian Ministry for Education, Universities and Research -300000 € /3 years.
- 2014 Unit PI of Investigator Grant " Identification, validation and therapeutic targeting of epigenetic lesions in refractory lymphomas " -AIRC- Associazione Italiana per la Ricerca sul Cancro -360000 € /3 years.
- 2016 Unit PI of grant " Research on Ageing diseases 2015 " Aging-mediated epigenetic changes modulate cardiac metabolism: implications for age-related cardiac malfunctioning" Fondazione Cariplo -150000 € /3 years.