

CURRICULUM DELL' ATTIVITA' SCIENTIFICA E DIDATTICA

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ATTIVITA' SCIENTIFICA

1989 Laurea in Scienze Biologiche con indirizzo biochimico conseguita presso l'Università di Trieste, con la votazione di 110/110 e lode.

1989-1992 Postdoctoral Fellow presso il Dipartimento di Patologia della Scuola di Medicina di Yale University (New Haven, Connecticut, USA).

1992 Research Scientist (Faculty appointment) presso il Dipartimento di Patologia della Scuola di Medicina di Yale University.

1992-1996 Research Scientist (Faculty appointment) presso il "Cutaneous Biology Research Center" (C.B.R.C.), Massachusetts General Hospital (Charlestown, Massachusetts, USA). Istruttore ("Instructor") presso l'Università di Harvard (Cambridge, Massachusetts, USA).

1996-2000 Ricercatore (contratto a tempo determinato, art. 23) presso la Stazione Zoologica "A.Dohrn", Napoli, presso il laboratorio di Biochimica e Biologia Molecolare, diretto dal Prof. R. Di Lauro.

2000-2006 Dirigente di ricerca Telethon presso il TIGEM (Telethon Institute of Genetics and Medicine), Napoli.

2006 ad oggi Responsabile di un gruppo di ricerca "Group Leader" presso il CEINGE Biotecnologie Avanzate (Centro di Ingegneria Genetica), Napoli

2009 al 2013 Contratto di collaborazione alla Fondazione IRCCS SDN, Napoli

30/12/2013-14/12/2016 Professore Associato di Biologia Molecolare, Dipartimento di Biologia, Università Federico II, Napoli

15/12/2016 ad oggi Professore Ordinario di Biologia Molecolare, Dipartimento di Biologia, Università Federico II, Napoli

2018 ad oggi Supervisor dell' Advanced Light Microscopy Facility (CEINGE - <https://www.ceinge.unina.it/en/advanced-light-microscopy-alm-facility>)

ATTIVITA' DIDATTICA

<u>2002-2006</u>	Docente per Ph.D. di Open University (UK) del corso sull'espressione genica e la regolazione della trascrizione per studenti di dottorato.
2003 ad oggi	Commissario di tesi di dottorato dell' Open University.
2010	Idoneo alla valutazione comparativa ad un posto di Professore Associato. Facoltà di SCIENZE BIOTECNOLOGICHE Settore BIO/11 - BIOLOGIA MOLECOLARE (A/01/2008; data di certificazione regolarità atti: 30/07/2010) Università di Napoli Federico II
2012-ad oggi	Docente della scuola di dottorato, programma di Oncologia Molecolare e Genetica Umana della Scuola Europea di Medicina Molecolare, SEMM (European School of Molecular Medicine).
2014 ad 2016	Professore associato in Biologia Molecolare 05/E2. Dipartimento di Biologia, Università di Napoli Federico II
2014	Abilitazione scientifica nazionale in Biologia Applicata 05/F1 – I Fascia valida dal 22/01/2014 al 22/01/2018.
2014	Abilitazione scientifica nazionale in Genetica e Microbiologia settore 05/I1 – I Fascia valida dal 23/01/2014 al 23/01/2018.
2014	Abilitazione scientifica nazionale in Biologia Molecolare 05/E2 – I Fascia valida dal 12/02/2014 al 12/02/2018.
2013/2014	Docente del corso di Applicazioni in Bioinformatica, per la Laurea Triennale in Biologia Generale ed Applicata N82, Università di Napoli Federico II
2013-2016	Membro del Collegio dei Docenti del Dottorato della SEMM (European School of Molecular Medicine)
2017 ad oggi	Professore ordinario in Biologia Molecolare BIOS-08/A (ex BIO/11). Dipartimento di Biologia, Università di Napoli Federico II
2014-2017	Docente del corso di Biologia Molecolare Avanzata e Bioinformatica, per la Laurea Magistrale in Biologia N92, Università di Napoli Federico II

2017-2018	Docente del modulo di Biologia Molecolare Avanzata (01863), corso di Biologia Molecolare Avanzata e Bioinformatica (26301), per la Laurea Magistrale in Biologia N92, Università di Napoli Federico II
2017-2018	Docente del corso di Genomica Marina in lingua inglese (U0482), modulo del corso in Genetica della conservazione, Genomica marina e laboratorio (U0481), per la Laurea Magistrale in in Biologia ed Ecologia dell'Ambiente Marino ed Uso sostenibile delle sue risorse (Laurea MARE, LM6), Università di Napoli Federico II
2016 ad oggi	Membro del Collegio dei Docenti, del Dottorato in Biologia Università di Napoli Federico II
	2016 al 2023 Responsabile per la didattica del Dottorato in Biologia, Università di Napoli Federico II
6-2017 al 6-2025	Membro della Commissione Didattica del CdS di Biologia
2019-2025	Membro della Giunta Dipartimentale, Università di Napoli Federico II
2019	Membro del gruppo del riesame GRIE per la laurea MARE, Università di Napoli Federico II
2020	Membro del Consiglio della Scuola Politecnica e delle Scienze
2020	Commissione di Ateneo per la selezione di progetti scientifici intrateneo (progetti FRA), Università di Napoli Federico II
2022 ad oggi	Membro del Collegio dei docenti SEMM
2022 -2024	Membro del Consiglio Accademico SEMM

RICONOSCIMENTI SCIENTIFICI E BREVETTI

2006 -2009	Vincitore di Borsa di studio a livello Group Leader per la formazione nella ricerca nel campo della biologia molecolare e della biotecnologia avanzata presso il CEINGE, Biotecnologie Avanzate Scarl (Napoli) in convenzione con il Ministero dell'Università e della ricerca (MUR).
2008	Co-inventore del brevetto internazionale 2008/140713 (WO 2008140713 A1) dal titolo: Methods and products for treating proliferative disorders. P.Reed Larsen, Antonio Bianco, Domenico Salvatore, Monica Dentice, Caterina Missero.
2021	Premio "Magna Grecia", Associazione: Cenacolo della cultura e delle scienze.

2025 Premio Gabriella Fabbrocini per la [ricerca sulle patologie cutanee gravi](#).

SOCIETA' SCIENTIFICHE E ORGANIZZAZIONE DI CORSI E CONGRESSI

1997 ad oggi Membro della Società Italiana di Biofisica e Biologia Molecolare (SIBBM).
 1999 Organizzatore del corso teorico e pratico della Società Italiana di Biofisica e Biologia Molecolare, dal titolo: "Trasduzione del segnale: dal recettore al nucleo."
 2006 Membro del American Society of Microbiology (ASM).
 2008 Docente del corso intitolato "Developmental Biology and Clinical Dysmorphology" organizzato dalla European Genetics Foundation (Bertinoro, Italia).
 2012 ad oggi Membro dell'Associazione di Biologia Cellulare e del Differenziamento (ABCD).
 2012 ad oggi Membro ESDR/SID (European Society of Dermatological Research e Society of Investigative Dermatology)
 2012 Organizzatore locale del congresso internazionale ESDR
 2013-2016 Membro del Direttivo e Tesoriere della Società Italiana di Biofisica e Biologia Molecolare (SIBBM).
 2014 Vice Chair del gruppo ABCD Stem Cell Development and Regenerative Medicine.
 2016 Chair del gruppo ABCD Stem Cell Development and Regenerative Medicine.
 2016 Organizzatore del SIBBM meeting 2016 "From single cell analysis to precision medicine"
 2015-2020 Membro del Direttivo ESDR (European Society of Dermatological Research)
 2018 Organizzatore del corso ESDR/EADV Summer school in advanced molecular tools in dermatological research
 2019 Chair del Programma Scientifico del meeting ESDR2019, Bordeaux Francia, 18-21 Settembre (<http://esdrmeeting.org/index.php/organisation/>)
 2024 Organizzatore del corso di Genome Editing SIBBM 2024
 2024- Membro del Comitato Scientifico della Fondazione SEMM ETS
 2023-2026 Membro del European Network for Skin Engineering and Modeling (NETSKIN, COST-ACTION 21108)
 2025- Membro attivo del Cost-Action Mentoring program: lecture in "Insights in Genome Editing: Engineering the Genome for Health and Disease".

EDITORE E REVISORE PER RIVISTE INTERNAZIONALI

2012- 2015 Editorial Board Member of Frontiers in Endocrinology
 2013 ad oggi Editorial Board Member di Experimental Dermatology (IF 2014 3.672)
 2015- 6/2017 Associate Editor of Journal Investigative Dermatology (IF 2014 7.216)
 7/2017 ad 9/2020 Editorial Consultant of Journal Investigative Dermatology (IF 2016 6.287)
 Present: Consultant Editor of Journal Investigative Dermatology Symposium Proceedings

Revisore di articoli per le seguenti riviste:

American Journal of Medical Genetics, BMC Genomics, British Journal of Dermatology, Cancer Research, Cell Growth and Differentiation, Cell Death and Differentiation, Clinical and Experimental Dermatology, Development, Differentiation, Experimental Dermatology, FEBS, Gene, International Journal of Developmental Biology, Journal of Biological Chemistry, Journal of Investigative Dermatology, Molecular and Cellular Biology, PLoS One, Science, Scientific Report

REVISIONE DI PROGETTI DI RICERCA INTERNAZIONALI

Revisore di progetti europei quinto e sesto programma quadro "Life Science: Genomic and Biotechnology for Health"

Revisore di progetti H2020-WIDESPREAD-Twinnings, Commissione europea

Revisore di progetti ERC, MRC (Medical Research Council, UK), BBSRC (Biotechnology and Biological Sciences Research Council, UK), Israel Science Foundation (ISF), Swiss National Science Foundation, DEBRA UK, FWO (Research Foundation – Flanders, Netherlands), FWF Austrian Science Fund, INSERM (Francia), Deutsche Forschungsgemeinschaft (DFG, Germany).

SEMINARI E PRESENTAZIONI SU INVITO ALL'ESTERO dal 2002

Maggio 2002 "Mechanisms of gene expression in skin." University of Washington, Seattle (USA)

Maggio 2002 "Role of Foxe1 in skin homeostasis". North American Hair Research Society. Los Angeles (USA)

Settembre 2003 "Identification of genomic regions regulating p63 expression." Skin Erosion Workshop, St. Louis (USA).

Ottobre 2004 "Skin-specific regulation of gene expression in development and disease." Department of Dermatology, University of Michigan (USA).

Novembre 2004 "Skin-specific regulation of gene expression in development and disease." Università di Losanna (Svizzera).

Novembre 2006 "Toward An Understanding of the Molecular Basis of the AEC Syndrome." AEC Conference, Houston (USA)

Luglio 2007 "p63 regulates commitment to the keratinocyte cell lineage via a BMP-dependent pathway". Gordon Research Conference, Rhode Island (USA)

Febbraio 2008 "Signaling pathways downstream of p63 in the AEC syndrome". Epistem conference, Ghent, Belgio.

Marzo 2009 "Signaling pathways downstream of p63 in embryonic development" Dipartimento di Biochimica, Università di Losanna, Svizzera

Marzo 2009 "Signaling pathways downstream of p63 in embryonic development" ISREC (Swiss Institute for Experimental Cancer Research), Losanna, Svizzera.

Settembre 2009 "Characterization of a mouse model for AEC syndrome." 4th p63/p73 Workshop, Toronto.

Giugno 2011 "p63 function in epidermal development and disease" Gordon Research Conference. White Snow Mountain, VT, USA.

Settembre 2011 "Mechanisms underlying defective epithelial development in AEC syndrome." 5th p63/p73 Workshop, Lione, Francia.

Settembre 2011 "p63 function in epidermal development and disease", Center for Molecular Medicine, Cologne, Germania

Settembre 2012 "Skin fragility is associated with reduced desmosome formation in AEC syndrome." European Society for Dermatological Research 42nd meeting, Venezia, Italy

Settembre 2012 "Unveiling the molecular mechanisms underlying AEC Syndrome". Workshop on rare skin diseases, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel.

Marzo 2015 "p63 function in the epidermis in health and disease". Goethe University of Frankfurt, Germany

Marzo 2016 "Functional and mechanistic insights into the pathogenesis of p63-associated disorders" Center for Molecular Medicine, Cologne, Germania

Aprile 2016 "Novel functional and mechanistic insights into the pathogenesis of AEC syndrome." 7th International p63/p73 workshop, Boston USA, MA

Maggio 2016 "Mutations in the transcription factor TP63 are causative of an inflammatory skin disease associated with a chronic autoimmune proliferative disorder", VII Shanghai Immunodermatology Forum, Shanghai, China

Settembre 2016 "Crosstalk among p53 family members in cutaneous carcinoma" Keynote speaker Lecture at Leo Pharma Research Foundation awards session, European Society for Dermatological Research 46th meeting, Munich (Germany)

Ottobre 2016 "p63 as a master regulator of epithelial stemness, identity, and integrity." In "Changing the Face of Modern Medicine: Stem Cells & Gene Therapy" organized by European Society of Gene & Cell Therapy and International Society for Stem Cell Research, Firenze, Italia.

Maggio 2017 "Novel approaches to target p63-associated genodermatoses" Gordon Conference Epithelial Differentiation & Keratinization, Italy

Luglio 2017 "Functional and mechanistic insights into the pathogenesis of p63-associated disorders." 17th International p53 Workshop, Biopolis, Singapore

Settembre 2017 "Novel approaches to target p63-associated genodermatoses" Dipartimento di Biochimica, Università di Losanna, Svizzera

Giugno 2019 “Transcriptional control of gene expression in the skin in health and disease.” ReiThera SRL, Pomezia, Italy

Luglio 2019 “Transcriptional control of gene expression in the skin in health and disease.” Cutaneous Biology Research Center, Mass. Gen. Hosp., Boston, USA

Novembre 2019 “Overlapping transcriptional programs downstream of p63 and p73 promote cutaneous squamous cell carcinoma”. International p53/p63/p73 isoform workshop. Dubrovnik, Croazia.

Luglio 2021 “Oncogenic pathways in cutaneous squamous cell carcinoma.” Australian Society for Dermatology Research (ASDR) Annual Scientific Meeting

Settembre 2024 “Transcription factors driving cell proliferation and cancer stemness in carcinomas”. IEOS, CNR, Napoli Italy

Ottobre 2024 “Expected and unexpected functions of p53 family members in squamous cell carcinoma”. Goethe University of Frankfurt, Germany

Novembre 2024 “AEC Skin Fragility. Complex wounds in ectodermal dysplasias. National Foundation for Ectodermal Dysplasia. Children’s Hospital of Philadelphia, USA

Giugno 2025 “Targeted p63 isoform switch corrects dominant mutations in AEC syndrome without disrupting epidermal homeostasis”. Gordon Research Conference, Ventura (CA), USA

Giugno 2025 “Mechanistic insights and innovative therapeutic approaches in AEC syndrome”. International Conference on Ectodermal Dysplasia. Birmingham, UK

Giugno 2025 “Balancing p63 isoforms in health and disease”. International p53/p63/p73 Isoforms Workshop in Cancer and Ageing: 10th International p63/p73 Workshop. Dundee, Scotland, UK.

ELENCO DELLE PUBBLICAZIONI SCIENTIFICHE INTERNAZIONALI

(identificativo ORCID: 0000-0003-0905-5123)

Missero, C., Filvaroff, E., & Dotto, G.P. (1991). Induction of TGF β 1 resistance by the *E1a* oncogene requires binding to a specific set of cellular proteins. **Proc. Natl. Acad. Sci. USA**, 88:3489-3493. (USA)

Missero, C., Ramon y Cajal, S., & Dotto, G.P. (1991). Escape from TGF β control and oncogene cooperation in skin tumor development. **Proc. Natl. Acad. Sci. USA**, 88: 9613-9617. (USA)

Florin-Christensen, M., Missero, C., Dotto, G.P., & Florin-Christensen, J. (1992). The *E1a* gene prevents inhibition of keratinocyte proliferation by dexamethasone. **Exper. Cell Res.**, 203: 285-288. (The Netherlands)

Brissette, J. L., Missero, C., Yuspa, S.H., & Dotto, G.P. (1993). Different levels of v-Ha-RAS p21 expression in primary keratinocytes transformed with Harvey Sarcoma virus correlate with benign versus malignant behavior. **Molec. Carcinog.**, 7: 21-25. (USA)

Florin-Christensen, M., Missero, C., Florin-Christensen, J., Tranque, P., Ramon y Cajal, S., & Dotto, G.P. (1993). Counteracting effects of *E1a* transformation on cAMP growth inhibition. **Exper. Cell Res.**, 207: 57-61. (The Netherlands)

Missero, C., Serra, C., Stenn, K., & Dotto, G.P. (1993). Skin-specific expression of a truncated *E1a* oncoprotein binding to p105-Rb leads to abnormal hair follicle maturation without increased epidermal proliferation. **J. Cell. Biol.**, 121: 1109-1120. (USA)

Esherick, J.S., DiCunto, F., Flanders, K.C., Missero, C. & Dotto, G.P. (1993). TGF- β 1 induction is associated with TGF β 2 and TGF β 3 downmodulation in TPA-induced skin hyperplasia. **Cancer Res.** 53: 5517-5522. (USA)

Cauci, S., Monte, R., Ropele, M., Missero, C., Not, T., Quadrifoglio, F., & Menestrina, G. (1993). Pore-forming and haemolytic properties of the *Gardnerella vaginalis* cytotoxin. **Molec. Microb.** 9 (6): 1143-1155. (USA)

Ramon y Cajal, S., Missero, C., Marchetti, E. & Dotto, G.P. (1994). Dermal fibroblasts tumor suppression of *ras*-transformed keratinocytes is associated with induction of squamous cell differentiation. **Amer. J. Path.** 145(4): 846-855. (USA)

Missero, C., Calautti, E., Eckner, R., Chin, J., Tsai, L.H., Livingston, D.M., & Dotto, G.P. (1995). Involvement of the cell cycle inhibitor Cip1/WAF1 and the transcriptional modulator p300 protein in terminal differentiation. **Proc. Natl. Acad. Sci. USA**, 92, 5451-5455. (USA)

Calautti, E., Missero, C., Stein, P., Ezzel, R. & Dotto, G.P. (1995). *fyn* tyrosine kinase is involved in keratinocyte differentiation control. **Genes Dev.**, 9 (18): 2279-2291. (USA)

Missero, C. & Dotto, G.P. (1996). p21^{WAF1/Cip1} and terminal differentiation control in normal epithelia. (Review article). **Molec. Cell. Differentiation**, 4 (1): 1-16. (USA)

Enders, G.H., Koh, J., Missero, C., Dotto, G.P., Rustgi, A.K., & Harlow E. (1996). p16 inhibition of primary and transformed squamous epithelial cells. **Oncogene**, 12: 1239-1245. (USA)

Missero, C., Di Cunto, F., Kiyokawa, H., Koff, A., Dotto, G.P. (1996). The absence of p21^{Cip1}/WAF1 alters keratinocyte growth and differentiation and promotes *ras*-tumor progression. **Genes Dev.**, 10 : 3065-3075. (USA)

Macchia, P.E., Lapi, P., Krude H., Pirro, M.T., Missero, C., Chiovato, L., Souabni, A., Baserga, M., Tassi, V., Pinchera, A., Fenzi, G., Gruters, A., Busslinger, M., Di Lauro, R. (1998). Pax8 mutations associated with congenital hypothyroidism caused by thyroid dysgenesis. **Nat Genetics**, 19 (1): 83-86. (USA)

Missero, C, Cobellis, G., De Felice, M., Di Lauro, R. (1998). Molecular events involved in differentiation of thyroid follicular cells. **Mol. Cell. Endocr.**, 140 (1-2):37-43. (The Netherlands)

Cobellis, G., Missero, C., Di Lauro, R. (1998). Concomitant activation of MAP kinase kinase and Rac increases the proliferative potential of thyroid follicular cells, without affecting their differentiation. **Oncogene**, 17 (16): 2047-2058. (USA)

Foley, J., Wysolmerski, J.J., Missero, C., King, C.S., Philbrick, W.M. (1999) Regulation of parathyroid hormone-related protein gene expression in murine keratinocytes by E1A isoforms: a role for basal promoter and Ets-1 site. **Mol. Cell. Endocrinol.** 156(1-2): 13-23. (USA)

Missero, C., Pirro, M.T., Di Lauro, R. (2000). Multiple Ras downstream pathways mediate functional repression of the homeobox gene product TTF-1. **Mol. Cell. Biol.**, 20 (8): 2783-93. (USA)

Cobellis G., Missero C., Simionati B., Valle G., Di Lauro R. (2001). Immediate early genes induced by H-Ras in thyroid cells. **Oncogene**, 20(18):2281-90. (USA)

Missero, C., Dotto, G.P., Dogliotti, E. (2001). The molecular basis of skin carcinogenesis. in the *"The molecular basis of human cancer"* Coleman and Tsongalis, **Humana Press**. (USA)

Missero, C., Pirro M.T., Simeone, S., Pischetola, M., Di Lauro, R (2001). The DNA glycosylase T:G mismatch-specific thymine DNA glycosylase represses thyroid transcription factor-1-activated transcription. **J. Biol. Chem.** 2001 276(36): 33569-75. (USA)

Pace, J.M., Corrado, M., Missero, C., Byers, P.H. (2003). Identification, characterization and expression analysis of a new fibrillar collagen gene, COL27A1. **Matrix Biol.**, 22(1) 3-14. (The Netherlands)

Zhang, M., Brancaccio, A., Weiner, L., Missero, C., Brissette, J.L. (2003). Ectodysplasin regulates pattern formation in the mammalian hair coat. **Genesis** Sep;37(1):30-7. (USA)

Brancaccio, A., Minichiello, A., Grachtchouk, M., Antonini, D., Sheng, H., Parlato, R., Dathan N., Andrzej A. Dlugosz, Missero, C. (2004). Requirement of the forkhead gene *Foxe1*, a target of sonic hedgehog signaling, in hair follicle morphogenesis. **Hum. Mol. Gen.**, 13 (21): 2595-2606. (UK)

Wang, J., Devgan, V., Corrado, M., Missero, C., Dotto, G.P. (2005). GTR is a p21^{WAF1/Cip1} transcriptional target conferring resistance of keratinocytes to UV-induced apoptosis. **J Biol Chem.**, 280 (45): 37725-31. (USA)

Antonini, D., Rossi, B., Han, R., Minichiello, A., Di Palma, T., Corrado, M., Banfi, S., Zannini, M., Brissette, J.L., Missero, C. (2006). An autoregulatory loop directs the tissue-specific expression of p63 through a long-range evolutionarily conserved enhancer. **Mol. Cell. Biol.**, 2006;26 3308-3318. (USA)

Nguyen, B.-C., Lefort, K., Mandinova, A., Antonini, D., Devgan, V., Della Gatta, G., Koster, M.I., Zhang, Z., Wang, J., Tommasi di Vignano, A., Kitajewski, J., Chiorino, G., Roop, D.R., Missero*, C., Dotto*, G.P. (2006). Cross-regulation between Notch and p63 in keratinocyte commitment to differentiation. **Genes Dev.**, 2006; 20 1028-1042. (*co-corresponding author and equal contribution). (USA)

Dentice, M., Luongo, C., Huang, S., Ambrosio, R., Elefante, A., Mirebeau-Prunier, D., Zavacki, A.M., Fenzi, G., Grachtchouk, M., Hutchin, M., Dlugosz, A.A., Bianco, A.C., Missero, C., Larsen, P.R., Salvatore, D. (2007). Sonic hedgehog-induced type 3 deiodinase blocks thyroid hormone action enhancing proliferation of normal and malignant keratinocytes. **Proc Natl Acad Sci U S A**, 104(36):14466-71. (USA)

Roure, A., Rothbacher, U., Robin, F., Kalmar, E., Ferone, G., Lamy, C., Missero, C., Mueller, F., Lemaire, P. (2007). A multicassette gateway vector set for high throughput and comparative analyses in *Ciona* and vertebrate embryos. **PLoS ONE**, 2(9):e916.

Antonini, D., Dentice, M., Mahtani, P., De Rosa, L., Della Gatta, G., Mandinova, A., Salvatore, D., Stupka, E., Missero, C. (2008). *Tprg*, a gene predominantly expressed in skin, is a direct target of the transcription factor p63. **J Invest Dermat**, 128(7): 1676-1685. (USA)

Della Gatta, G., Bansal, M., Ambesi-Impiombato, A., Antonini, D., Missero*, C., di Bernardo*, D. (2008). Direct targets of the Trp63 transcription factor revealed by a combination of gene expression profiling and reverse engineering. **Genome Research**, 18(6): 939-48. (*co-corresponding author and equal contribution). (USA)

Fete, M., van Bokhoven, H., Clements, S., McKeon, F., Roop, D.R., Koster, M.I., Missero, C., Attardi, L.D., Lombillo, V.A., Ratovitski, E., Julapalli, M., Ruths, D., Sybert, V.P., Siegfried, E.C., Bree, A.F. (2009). Conference Report: International Research Symposium on Ankyloblepharon-Ectodermal Defects-Cleft Lip and/or Palate (AEC) Syndrome. **The American Journal of Medical Genetics A**, 149A(9):1885-93. (USA)

De Rosa, L., Antonini, D., Ferone, G., Russo, M.T., Yu, P.B., Han, R., Missero, C. (2009). p63 suppresses non-epidermal lineage markers in a BMP dependent-manner via repression of Smad7. **J. Biol. Chem.** 284(44):30574-82. (USA)

Antonini, D., Russo, M.T., De Rosa, L., Garrese, M., Del Vecchio, L., Missero, C. (2010). Transcriptional repression of miR-34 family contributes to p63-mediated cell cycle progression in epidermal cells. **J. Invest. Derm.** 130(5):1249-57. (USA)

Rostagno, P., Wolchisky, Z., Vigano, AM, Arad, S., Zhou, H., Van Bokhoven, H., Ferone, G., Missero, C., Mantovani, R., Aberdam, D. Virolle, T. (2010). Embryonic stem cells as an ectodermal cellular model of human p63-related dysplasia Syndromes. **Biochem. Bioph. Res. Com.** 23;395(1):131-5. (The Netherlands)

Fessing, M.Y., Mardaryev, A.N., Gdula, M.R., Sharov, A.A., Sharova, T.Y., Rapisarda, V., Gordon, K.B., Smorodchenko, A.D., Poterlowicz, K., Ferone, G., Kohwi, Y., Missero, C., Kohwi-Shigematsu, T., and Botchkarev V.A. (2011). p63 Regulates Satb1 to Control Tissue-Specific Chromatin Remodeling during Development of the Epidermis. **J.Cell.Biol.** 194(6):825-39. (USA)

Rouleau M., Medawar A., Hamon L., Shvitiel S., Wolchinsky Z., Zhou H., De Rosa L., Candi E., de la Forest Divonne S., Mikkola M.L., van Bokhoven H., Missero C., Melino G., Puc  at M., Aberdam D. (2011). Tap63 is Important for Cardiac Differentiation of Embryonic Stem Cells and Heart Development. **Stem Cells** 29(11):1672-83. (The Netherlands)

Mitchell, M., O'Sullivan, J., Missero, C., Blair, E., Richardson, R.E., Antonini, D., Murray, J.C., Shanske, A.L., Schutte, B.C., Romano, R.A., Sinha, S., Bhaskar, S.S., Black, Graeme C., Dixon, J., Dixon, M.J. (2012). Exome sequence identifies RIPK4 as the Bartsocas Papas syndrome locus. **Am. J. Hum. Genet.**, 90 (1):69-75. (USA)

Ferone, G., Thomason, H., Antonini, D., De Rosa, L., Hu, B., Gemei, M., Zhou, H., Ambrosio, R., Rice, D., Acampora, D., van Bokhoven, H., Del Vecchio, L., Koster, M., Tadini, G., Spencer-Dene, B., Dixon, M., Dixon, J., Missero, C. (2012). Mutant p63 causes defective expansion of ectodermal progenitor cells and impaired FGF signaling in AEC syndrome. **EMBO Mol. Med.**, 4 (3) 192-205. (Germany) doi: 10.1002/emmm.201100199. Epub 2012 Jan 13.

Ferone, G. Mollo, M.R., Thomason, H.A., Antonini, D., Zhou, H., Ambrosio, R., De Rosa, L., Salvatore, D., Getsios, S., van Bokhoven, H., Dixon, J., Missero, C. (2013). p63 control of desmosome gene expression and adhesion is compromised in AEC syndrome. **Hum. Mol. Gen.**, 22(3):531-43. (USA)

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