

INFORMAZIONI PERSONALI

Caterina Missero

 Via Manzoni 157AB, 80123, Napoli, Italia

 081 7692914  3495049084

 missero@ceinge.unina.it

 <https://www.ceinge.unina.it/en/caterina-missero>

Data di nascita 05/09/1964 | Nazionalità Italiana

ESPERIENZA PROFESSIONALE

Dal 1-2017 ad oggi	Professore ordinario di Biologia Molecolare 05/E2 presso il Dipartimento di Biologia, Università degli studi di Napoli Federico II, Napoli
Dal 1-2014- 12-2016	Professore associato di Biologia Molecolare 05/E2 presso il Dipartimento di Biologia, Università degli studi di Napoli Federico II, Napoli
Dal 6-2006 – ad oggi	Group Leader - CEINGE Biotecnologie Avanzate, Napoli
Dal 10-2000 – 5-2006	Group Leader - Telethon Institute of Genetics and Medicine, Napoli
Dal 09-1996 – 10-2000	Ricercatore (contratto a tempo determinato, art. 23). Stazione Zoologica "A.Dohrn", Napoli
Dal 11-1992 – 10-1996	Research Scientist, Faculty appointment. Massachusetts General Hospital, Boston, USA
Dal 11-1992 – 10-1996	Instructor, Faculty appointment. Harvard Medical School, Boston, USA

ISTRUZIONE E FORMAZIONE

Dal 06-1989 – 11-1992	Postdoctoral Fellow. Yale University, New Haven, USA
03-1989	Laurea in Scienze Biologiche. Università di Trieste (votazione 110/110 cum laude).

COMPETENZE PERSONALI

Lingua madre Italiano

Altre lingue	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
Inglese	C2	C2	C1	C1	C2

Livelli: A1/2 Livello base -
B1/2 Livello intermedio -
C1/2 Livello avanzato

Competenze di docenza

▪ Coordinatore della didattica per la Scuola di Dottorato in Biologia. Università di Napoli Federico II dall'anno 2016.

Docente del corso di Biologia Molecolare Avanzata e Biotecnologie, Laurea Magistrale in Biologia Università di Napoli Federico II dal 2014

Docente del dottorato della Scuola Europea di Medicina Molecolare (SEMM). Anno 2013

Docente del Corso avanzato in "Molecular biology course on the human genome and its functional

elements” per la Scuola di Dottorato in Medicina Molecolare. Università di Napoli Federico II. Dal Anno 2012-2013

Docente a contratto di Genomica e Trascrittomica. Corso di Laurea in Biotecnologie del Farmaco. Università di Napoli Federico II. Anno 2009-2013.

Docente del corso “Gene expression and transcriptional regulation” Open University (UK). Anno 2002-2006

▪

Organizzazione di corsi e congressi, partecipazione a Società scientifiche, brevetti

BREVETTO INTERNAZIONALE P.Reed Larsen, Antonio Bianco, Domenico Salvatore, Monica Dentice, Caterina Missero. “Methods and products for treating proliferative disorders.” PCT Patent 2008/140713

Membro della Società Italiana di Biofisica e Biologia Molecolare (SIBBM).

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).

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/>)

Associate Editor di Journal of Investigative Dermatology dal 2015

Editore di riviste scientifiche

2012- 2015 Editorial Board Member of Frontiers in Endocrinology

2013 ad oggi Editorial Board Member di Experimental Dermatology (IF 2014 3.672)

2015- 2017 Associate Editor of Journal Investigative Dermatology (IF 2014 7.216)

2017 al 2020 Editorial Consultant of Journal Investigative Dermatology (IF 2016 6.287)

Revisione di progetti di ricerca internazionali

Valutatore di progetti di ricerca per il quinto e sesto programma quadro del programma “Life Science: Genomic and Biotechnology for Health”, Commissione Europea, Bruxelles, Belgio
 Revisore di progetti ERC, MRC (Medical Research Council, UK), Swiss National Science Foundation, DEBRA UK, FWO (Research Foundation – Flanders, Netherlands), FWF Austrian Science Fund

Revisore di progetti H2020-WIDESPREAD-Twinnings, Commissione europea

Seminari su invito dal 2015 internazionali

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

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.

Publicazioni

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

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.

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.

Brisette, 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.

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.

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.

Esherrick, 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 3 downmodulation in TPA-induced skin hyperplasia. **Cancer Res.** 53: 5517-5522.

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

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.

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.

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.

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.

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.

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.

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). Mutations in the DNA binding domain of Pax8 associated with congenital hypothyroidism caused by thyroid dysgenesis. **Nat Genetics**, 19 (1): 83-86.

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.

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.

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.

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.

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**.

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.

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.

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.

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.

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

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

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. (*equal contribution).

Dentice M, Luongo C, Huang S, Ambrosio R, Elefante A, Mirebeau-Prunier D, Zavacki AM, Fenzi G, Grachtchouk M, Hutchin M, Dlugosz AA, Bianco AC, Missero C, Larsen PR, 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.

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.

Della Gatta, G., Bansal, M., Ambesi-Impombato, 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).

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**, 7 Apr 2009.

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.

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.

- 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.
- 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.
- Rouleau M., Medawar A., Hamon L., Shivtiel 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., Pucéat M., Aberdam D. (2011). Tap63 is Important for Cardiac Differentiation of Embryonic Stem Cells and Heart Development. **Stem Cells** 29(11):1672-83.
- 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. **AJHG**, Am J Hum Genet. 90 (1):69-75.
- 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.
- 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.**, 1;22 (3): 531-543.
- Güenschmann C., Stachelscheid H., Akyüz M.D. , Schmitz A., *Missero* C.*, Brüning* J.C. and Niessen* C.M. (2013). Insulin/IGF-1 controls epidermal morphogenesis via regulation of FoxO-mediated p63 inhibition. (*co-corresponding authors). **Developmental Cell**, 26(2):176-87.
- Antonini D, Sibilio A, Dentice M, *Missero C.* (2013). An Intimate Relationship between Thyroid Hormone and Skin: Regulation of Gene Expression. **Front Endocrinol**, 4:104.
- Palamaro L, Guarino V, Scalia G, Antonini D, De Falco L, Bianchino G, Fusco A, Romano R, Grieco V, *Missero C*, Del Vecchio L, Ambrosio L, Pignata C. (2013). Human skin-derived keratinocytes and fibroblasts co-cultured on 3D poly {varepsilon}-caprolactone scaffold support in vitro HSC differentiation into T-lineage committed cells. **Int Immunol.**, 25(12):703-14.
- Missero C.*, Antonini D. (2014). Crosstalk among p53 family members in cutaneous carcinoma. **Exp Dermatol.** 23(3):143-6.
- Johnson JL, Koetsier JL, Sirico A, Agidi AT, Antonini D, *Missero C*, Green KJ. (2014). The Desmosomal Protein Desmoglein 1 Aids Recovery of Epidermal Differentiation after Acute Ultraviolet Light Exposure. **J Invest Dermatol.** 124.
- Luongo C, Ambrosio R, Salzano S, Dlugosz AA, *Missero C*, Dentice M. The sonic hedgehog-induced type 3 deiodinase facilitates tumorigenesis of basal cell carcinoma by reducing Gli2 inactivation. **Endocrinology.** 2014 155(6):2077-88.
- Mollo MR, Antonini D, Mitchell K, Fortugno P, Costanzo A, Dixon J, Brancati F, *Missero C.* p63-dependent and independent mechanisms of nectin-1 and -4 regulation in the epidermis. **Exp Dermatol.** 2014 Nov 12. doi: 10.1111/exd.12593.
- Ferone G, Mollo MR, *Missero C.* Epidermal cell junctions and their regulation by p63 in health and disease. **Cell & Tissue Research.** Accepted for publication Dec 22 2014.
- Antonini D, Sirico A, Aberdam E, Ambrosio R, Campanile C, Fagoonee S, Altruda F, Aberdam D, Brissette JL, *Missero C.* A composite enhancer regulates p63 gene expression in epidermal morphogenesis and in keratinocyte differentiation by multiple mechanisms. **Nucleic Acid Res.** 2015 Jan;43(2):862-74. doi: 10.1093/nar/gku1396.
- Ferone G, Mollo MR, *Missero C.* Epidermal cell junctions and their regulation by p63 in health and disease. **Cell Tissue Res.** Jun;360(3):513-28. doi: 10.1007/s00441-014-2108-1.
- Mollo MR, Antonini D, Cirillo L, *Missero C.* Research Techniques Made Simple: Skin Carcinogenesis Models: Xenotransplantation Techniques. **J Invest Dermatol.** 2016 Feb;136(2):e13-7. doi: 10.1016/j.jid.2015.12.015.
- Di Girolamo D, Ambrosio R, De Stefano MA, Mancino G, Porcelli T, Luongo C, Di Cicco E, Scalia G, Vecchio LD, Colao A, Dlugosz AA, *Missero C.*, Salvatore D, Dentice M.
A reciprocal thyroid hormone-microRNA21 interplay regulates Hedgehog pathway-driven skin tumorigenesis. **J Clin Invest.** 2016 Jun 1;126(6):2308-20. doi: 10.1172/JCI84465.
- Missero C.* The genetic evolution of skin squamous cell carcinoma: tumor suppressor identity matters. **Exp Dermatol.** 2016 May 19. doi: 10.1111/exd.13075.

Missero C, Antonini D. p63 in Squamous Cell Carcinoma of the Skin: More Than a Stem Cell/Progenitor Marker. *J Invest Dermatol*. 2017 Feb;137(2):280-281. doi: 10.1016/j.jid.2016.10.032.

Richardson R, Mitchell K, Hammond NL, Mollo MR, Kouwenhoven EN, Wyatt ND, Donaldson IJ, Zeef L, Burgis T, Blance R, van Heeringen SJ, Stunnenberg HG, Zhou H, Missero C, Romano RA, Sinha S, Dixon MJ, Dixon J. p63 exerts spatio-temporal control of palatal epithelial cell fate to prevent cleft palate. *PLoS Genet*. 2017 13(6):e1006828. doi: 10.1371/journal.pgen.1006828.

Russo C, Osterburg C, Sirico A, Antonini D, Ambrosio R, Würz JM, Rinnenthal J, Ferniani M, Kehrhoesser S, Schäfer B, Güntert P, Sinha S, Dötsch V, Missero C. Protein aggregation of the p63 transcription factor underlies severe skin fragility in AEC syndrome. *Proc Natl Acad Sci U S A*. 2018 115(5):E906-E915. doi: 10.1073/pnas.1713773115.

Sol S, Antonini D, Missero C. Isolation and Enrichment of Newborn and Adult Skin Stem Cells of the Interfollicular Epidermis. *Methods Mol Biol*. 2019;1879:119-132. doi: 10.1007/7651_2018_131.

Choo MK, Kraft S, Missero C, Park JM. The protein kinase p38 α destabilizes p63 to limit epidermal stem cell frequency and tumorigenic potential. *Sci Signal*. 2018 Oct 9;11(551). pii: eaau0727. doi: 10.1126/scisignal.aau0727.

Mollo MR, Cirillo L, Russo C, Antonini D, Missero C. Functional and Mechanistic Insights into the Pathogenesis of P63-Associated Disorders. *J Invest Dermatol Symp Proc*. 2018 Dec;19(2):S98-S100. doi: 10.1016/j.jisp.2018.10.004.

Sirica R, Buonaiuto M, Petrella V, Sticco L, Tramontano D, Antonini D, Missero C, Guardiola O, Andolfi G, Kumar H, Ayub Q, Xue Y, Tyler-Smith C, Salvemini M, D'Angelo G, Colonna V. Positive selection in Europeans and East-Asians at the ABCA12 gene. *Sci Rep*. 2019 Mar 19;9(1):4843. doi: 10.1038/s41598-019-40360-9.

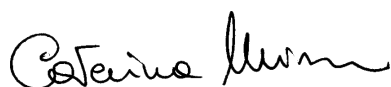
Duchatelet S, Russo C, Osterburg C, Mallet S, Bole-Feysot C, Nitschké P, Richard MA, Dötsch V, Missero C, Nassif A, Hovnanian A. A TP63 Mutation Causes Prominent Alopecia with Mild Ectodermal Dysplasia. *J Invest Dermatol*. 2019 Nov 1. pii: S0022-202X(19)33376-7. doi: 10.1016/j.jid.2019.06.154.

Miro C, Di Cicco E, Ambrosio R, Mancino G, Di Girolamo D, Cicatiello AG, Sagliocchi S, Nappi A, De Stefano MA, Luongo C, Antonini D, Visconte F, Varricchio S, Ilardi G, Del Vecchio L, Staibano S, Boelen A, Blanpain C, Missero C, Salvatore D, Dentice M. Thyroid hormone induces progression and invasiveness of squamous cell carcinomas by promoting a ZEB-1/E-cadherin switch. *Nat Commun*. 2019 Nov 27;10(1):5410. doi: 10.1038/s41467-019-13140-2.

Aberdam E, Roux LN, Secrétan PH, Boralevi F, Schlatter J, Morice-Picard F, Sol S, Bodemer C, Missero C, Cisternino S, Aberdam D, Hadj-Rabia S. Improvement of epidermal covering on AEC patients with severe skin erosions by PRIMA-1(MET)/APR-246. *Cell Death Dis*. 2020 Jan 16;11(1):30. doi:10.1038/s41419-020-2223-8.

Caprio C, Varricchio S, Bilio M, Feo F, Ferrentino R, Russo D, Staibano S, Alfano D, Missero C, Ilardi G, Baldini A. TBX1 and Basal Cell Carcinoma: Expression and Interactions with Gli2 and Dvl2 Signaling. *Int J Mol Sci*. 2020 Jan 17;21(2).

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base art. 13 del D. Lgs. 196/2003.



Caterina Missero