



di Roma , La Sapienza, Roma, IT, Titolo del progetto: Blue light transduction and circadian clock.
1999-2002 Postdoctoral Fellow; al Department of Dermatology, MGH and Harvard Medical School,
MA USA Titolo del progetto: Keratinocytes growth and differentiation.
2002-2007 Borsista presso il dipartimento di Medicina Sperimentale Università' di Roma , La
Sapienza Roma, IT, Titolo del progetto: T cells development and transformation/keratinocytes
growth and transformation.

Principali aree di ricerca:

- Hailey-Hailey pathogenesis
- Keratinocytes growth and differentiation
- T-cells growth and transformation

PUBBLICAZIONI SCIENTIFICHE

A. Selezione delle Pubblicazioni :

The loss of ATP2C1 impairs the DNA damage response and induces altered skin homeostasis: Consequences for epidermal biology in Hailey-Hailey disease. Cialfi S, Le Pera L, De Blasio C, Mariano G, Palermo R, Zonfrilli A, Uccelletti D, Palleschi C, Biolcati G, Barbieri L, Screpanti I, Talora C. *Sci Rep.* 2016 Aug 16;6:31567. doi: 10.1038/srep31567.

Glutathione S-transferase γ -subunit as a phenotypic suppressor of *pmr1* Δ strain, the *Kluyveromyces lactis* model for Hailey-Hailey disease. Ficociello G, Zanni E, Cialfi S, Aurizi C, Biolcati G, Palleschi C, Talora C, Uccelletti D. *Biochim Biophys Acta.* 2016 Nov;1863(11):2650-2657. doi: 10.1016/j.bbamcr.2016.08.002.

A threshold level of NFATc1 activity facilitates thymocyte differentiation and opposes notch-driven leukaemia development. Klein-Hessling S, Rudolf R, Muhammad K, Knobloch KP, Maqbool MA, Cauchy P, Andrau JC, Avots A, Talora C, Ellenrieder V, Screpanti I, Serfling E, Patra AK. *Nat Commun.* 2016 Jun 17;7:11841. doi: 10.1038/ncomms11841.

The deregulated expression of miR-125b in acute myeloid leukemia is dependent on the transcription factor C/EBP α . Vargas Romero P, Cialfi S, Palermo R, De Blasio C, Checquolo S, Bellavia D, Chiaretti S, Foà R, Amadori A, Gulino A, Zardo G, Talora C, Screpanti I. *Leukemia.* 2015 Dec;29(12):2442-5

Loss of Notch1-dependent p21(Waf1/Cip1) expression influences the Notch1 outcome in tumorigenesis. Cialfi S, Palermo R, Manca S, De Blasio C, Vargas Romero P, Checquolo S, Bellavia D, Uccelletti D, Saliola M, D'Alessandro A, Zolla L, Gulino A, Screpanti I, Talora C. *Cell Cycle.* 2014;13(13):2046-55. doi: 10.4161/cc.29079.



Glucocorticoid sensitivity of T-cell lymphoblastic leukemia/lymphoma is associated with glucocorticoid receptor-mediated inhibition of Notch1 expression.

Cialfi S, Palermo R, Manca S, Checquolo S, Bellavia D, Pelullo M, Quaranta R, Dominici C, Gulino A, Screpanti I, Talora C.

Leukemia. 2013 Feb;27(2):485-8. doi: 10.1038/leu.2012.192.

Efficacy of the melanocortin analogue Nle4-D-Phe7--melanocyte-stimulating hormone in the treatment of patients with Hailey-Hailey disease.

Biolcati G, Aurizi C, Barbieri L, Cialfi S, Screpanti I, Talora C.

Clin Exp Dermatol. 2014 Mar;39(2):168-75.

Oxidative stress activation of miR-125b is part of the molecular switch for Hailey-Hailey disease manifestation. Manca S, Magrelli A, Cialfi S, Lefort K, Ambra R, Alimandi M, Biolcati G, Uccelletti D, Palleschi C, Screpanti I, Candi E, Melino G, Salvatore M, Taruscio D, Talora C.

Exp Dermatol. 2011 Nov;20(11):932-7.

Complex multipathways alterations and oxidative stress are associated with Hailey-Hailey disease.

Cialfi S, Oliviero C, Ceccarelli S, Marchese C, Barbieri L, Biolcati G, Uccelletti D, Palleschi C, Barboni L, De Bernardo C, Grammatico P, Magrelli A, Salvatore M, Taruscio D, Frati L, Gulino A, Screpanti I, Talora C. Br J Dermatol. 2010 Mar;162(3):518-26.

Constitutively active Notch1 induces growth arrest of HPV-positive cervical cancer cells via separate signaling pathways. Talora C, Cialfi S, Segatto O, Morrone S, Kim Choi J, Frati L, Paolo Dotto G, Gulino A, Screpanti I. Exp Cell Res. 2005 May 1;305(2):343-54.

Specific down-modulation of Notch1 signaling in cervical cancer cells is required for sustained HPV E6/E7 expression and late steps of malignant transformation. Talora C, Sgroi DC, Crum CP, Dotto GP.

Genes Dev. 2002 Sep 1;16(17):2252-63.

Notch signaling is a direct determinant of keratinocyte growth arrest and entry into differentiation. Talora C, Rangarajan A, Okuyama R, Nicolas M, Mammucari C, Oh H, Aster JC, Krishna S, Metzger D, Chambon P, Miele L, Aguet M, Radtke F, Dotto GP. EMBO J. 2001 Jul 2;20(13):3427-36.