# Curriculum Vitae

## Personal information


**Claudio Talora**

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Nationality: Italian

## Occupational field

Associate Professor of Pathology

## Education and training

Since 2007 — Associate Professor of Pathology at the Department of Molecular Medicine **University of Rome La Sapienza**

2002-2007 — Senior Instructor; with Prof. Isabella Screpanti, Department of Experimental Medicine, **La Sapienza University of Rome**, Rome, IT, Project: T cells development and transformation/keratinocytes growth and transformation.

1999-2002 — Postdoctoral Fellow; with Dr. Gian Paolo Dotto, Department of Dermatology, CUTANEOUS BIOLOGY RESEARCH CENTER MASSACHUSETTS GENERAL HOSPITAL and Harvard Medical School, Charlestown, MA Project: Keratinocytes growth and differentiation.

1997-1999 — PhD student; with Prof. Paola Ballario and Prof. Giuseppe Macino , Dep. of Genetic and Molecular Biology, La Sapienza University of Rome, Rome, IT, Project:Blue light transduction and circadian clock.

1996-1997 — Research Associate Fellow; with Dr. Oreste Segatto, Regina Elena Cancer Institute, Rome, IT Project :ERBB-2 signaling and breast cancer

1995 — -La Sapienza University of Rome, Rome, Italy Laurea 1995 Biology

## Major Research Interests

-molecular and cellular biology of cancer
-keratinocyte growth and differentiation control
-molecular basis of Hailey-Hailey Disease

## Selected Publications


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.

Glutathione S-transferase Θ-subunit as a phenotypic suppressor of pmr1 strain, the Kluyveromyces lactis model for **Hailey-Hailey** disease.

Ficociello G, Zanni E, Cialfi S, Aurizi C, Biolcati G, Palleschi C, Uccelletti D **Talora** C. Biochim Biophys Acta. 2016 Nov;1863(11):2650-2657.

A threshold level of NFATc1 activity facilitates thymocyte differentiation and opposes notch-driven leukaemia development.
Klein-Hessling S, Rudolf R, Muhammad K, Knobeloch 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/EBPα.
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-α-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**.**