

Procedura valutativa di chiamata per n.1 posto di professore di ruolo di I fascia presso il dipartimento di
 Medicina Molecolare- Facoltà di Farmacia e Medicina
 Decreto Rettore Università di Roma "La Sapienza" n 1257/2020 del 11/05/2020
 (Codice Concorso 2020POR007)

CLAUDIO TALORA

Curriculum Vitae ai fini della Pubblicazione

Part I – General Information

Full Name	Claudio Talora
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Part II – Education

Type	Year	Institution	Note (Degree,Experience)
University graduation	1995	Università di Roma "La Sapienza"	Laurea in Scienze Biologiche
Post-graduate studies	1996-1997	Istituti Fisioterapici Ospitalieri (IFO)	Research Fellow, Experience in Cell Biology
PhD	1997-2000	Università di Roma "La Sapienza"	Genetics and Molecular Biology
Post-doctorate training	2000-2002	Harvard Medical School Boston -MA USA	Experience in keratinocyte growth and transformation
Post-doctorate training	2002-2007	Università di Roma "La Sapienza"	Experience in keratinocytes /T-cell transformation

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
1996	1997	Regina Elena Cancer Institute, Roma, IT	Research Fellow
2000	2002	Cutaneous Biology Research Center- Harvard Medical School Boston MA, USA	Research Fellow
2002	2005	Università di Roma "La Sapienza"- Dipartimento di Medicina Sperimentale	FIRC Fellowship
2005	2007	Università di Roma "La Sapienza" - Dipartimento di Medicina Sperimentale	Research Fellow
2007	Present	Università di Roma "La Sapienza" - Dipartimento di Medicina Molecolare	Associate Professor

IIIA – Other Appointments

Start	End	Institution	Position
2017	2023	Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR) -ANVUR	Abilitazione Scientifica Nazionale I Fascia SC 06-N1- MED/46 (Bando D.D. 1532-2016)
2017	2023	Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR) -ANVUR	Abilitazione Scientifica Nazionale I Fascia SC 06-A2- MED/04 (Bando D.D. 1532/2016)

Part IV – Teaching experience

Year	Institution	Lecture/Course
2008-2009	Università di Roma "La Sapienza"	Patologia Generale e Microbiologia. Corso di Laurea in infermieristica [I (DM 509/99) - Ordin. 2008]
2009-2013	Università di Roma "La Sapienza"	Metodol. della Ricerca Appl. alla Prof. Inferm. 12978- Corso di Laurea in Infermieristica [L (DM 509/99) - ORDIN. 2008] – (Coordinatore)
2012-2015	Università di Roma "La Sapienza"	Patologia Generale e Microbiologia 12978- Corso di Laurea in Infermieristica [L (DM 509/99) - ORDIN. 2008] – (Coordinatore)
2013- Present	Università di Roma "La Sapienza"	Basi Fisiopatologiche delle malattie Corso di laurea in INFERMIERISTICA [L (DM 270/04) - ORDIN. 2012] Coordinatore
2014-Present	Università di Roma "La Sapienza"	Patologia e Fisiopatologia Generale I e II- Corso di Laurea Medicina e Chirurgia , D
2018-Present	Università di Roma "La Sapienza"	Patologia Molecolare e Cellulare Biotecnologie Farmaceutiche [LM –9) - ORDIN. 2010 - ORDIN. 2019] Coordinatore

IVB- Other experience

Year	Activity
2013	Partecipazione al collegio dei docenti ovvero attribuzione di incarichi di insegnamento, nell'ambito di dottorati di ricerca accreditati dal Ministero 2013: [DOT1326HDK] Ateneo proponente: Università degli Studi di ROMA "La Sapienza" Titolo: "MEDICINA MOLECOLARE" Anno accademico di inizio: 2013 - Ciclo: XXIX
2014	Partecipazione al collegio dei docenti ovvero attribuzione di incarichi di insegnamento, nell'ambito di dottorati di ricerca accreditati dal Ministero 2014: [DOT1326HDK] Ateneo proponente: Università degli Studi di ROMA "La Sapienza" Titolo: "MEDICINA MOLECOLARE" Anno accademico di inizio: 2014/15 - Ciclo: XXX
2015	Partecipazione al collegio dei docenti ovvero attribuzione di incarichi di insegnamento, nell'ambito di dottorati di ricerca accreditati dal Ministero 2015: [DOT1326HDK] Ateneo proponente: Università degli Studi di ROMA "La Sapienza" Titolo: "MEDICINA MOLECOLARE" Anno accademico di inizio: 2015/16 - Ciclo: XXXI
2016	PARTECIPAZIONE AL COLLEGIO 2016: [DOT1326HDK] Ateneo proponente: Università degli Studi di ROMA "La Sapienza" Titolo: "MEDICINA MOLECOLARE" Anno accademico di inizio: 2016/2017 - Ciclo: 32
2017	Partecipazione al collegio dei docenti ovvero attribuzione di incarichi di insegnamento, nell'ambito di dottorati di ricerca accreditati dal Ministero 2017: [DOT1326HDK] Ateneo proponente: Università degli Studi di ROMA "La Sapienza" Titolo: "MEDICINA MOLECOLARE" Anno accademico di inizio: 2017/2018 - Ciclo: 33
2018	Partecipazione al collegio dei docenti ovvero attribuzione di incarichi di insegnamento, nell'ambito di dottorati di ricerca accreditati dal Ministero 2018: [DOT1326HDK] Ateneo proponente: Università degli Studi di ROMA "La Sapienza" Titolo: "MEDICINA MOLECOLARE" Anno accademico di inizio: 2018/2019 - Ciclo: 34

2019	Partecipazione al collegio dei docenti ovvero attribuzione di incarichi di insegnamento, nell'ambito di dottorati di ricerca accreditati dal Ministero 2019: [DOT1326HDK] Ateneo proponente: Università degli Studi di ROMA "La Sapienza" Titolo: "MEDICINA MOLECOLARE" Anno accademico di inizio: 2019/2020 - Ciclo: 35
2020	Partecipazione al collegio dei docenti ovvero attribuzione di incarichi di insegnamento, nell'ambito di dottorati di ricerca accreditati dal Ministero 2020: [DOT1326HDK] Ateneo proponente: Università degli Studi di ROMA "La Sapienza" Titolo: "MEDICINA MOLECOLARE" Anno accademico di inizio: 2020/2021 - Ciclo: 36

Part V - Society memberships, Awards and Honors

Year	Title
2000	Research Award Center for Innovative Minimally Invasive Therapy (CIMIT). Harvard Medical School, Boston USA Project: Skin as source of multipotent stem-cells

Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	Grant Value
2007	Development of retrovirus-based vectors for the study of gene function in primary cells and mouse model-COORDINATORE	Sapienza Università di Roma-C26G072WKK Grandi - Attrezzature	100000 €
2009-2012	Notch signalling in Development and Pathology PARTNER	FP7-PITN-GA-2008-215761	750000 €
2010	miRNA and Hailey-Hailey disease: The ROS connection- COORDINATORE	Sapienza Università di Roma-C26A105ZLC Ricerca di Ateneo	6500 €
2011-2015	Sviluppo di molecole capaci di modulare vie metaboliche intracellulari redox-sensibili per la prevenzione e la cura di patologie infettive, tumorali, neurodegenerative e loro delivery mediante piattaforme nanotecnologiche". PARTECIPANTE	Finanziamento PON-01_001802	792000 €
2012-2015	Piattaforme tecnologiche innovative per l'ingegneria tissutale". Consorzio Piotechbio – PARTECIPANTE	Finanziamento PON-01_00829.	560000 €
2012-2016	Calcium dysregulation and oxidative stress: from molecular mechanisms to therapeutic implications in Hailey-Hailey disease-COORDINATORE	Telethon- Grant 2012-GGP12264	252600 €
2014-2017	Crosstalk between oxidative stress and Notch1: Impact on skin cancer- PI	AIRC- IG Grant 15218	266000 €
2015-2016	Antioxidant therapy in the treatment of Hailey-Hailey disease. COORDINATORE	ASSOCIAZIONE MALATI DI HAILEY-HAILEY DISEASE	20000 €
2017	Oxidative-stress and Notch link in keratinocyte transformation and differentiation-COORDINATORE	Sapienza Università di Roma-RM11715C7D97EC8D Ricerca Ateneo	31750 €

2019	Dissecting the molecular mechanisms underlying the pathogenesis of acute myeloid leukaemia. RESPONSABILE UNITA'	(PRIN2017) 2017XCXAFZ	168634 €
2019	Processi Green per l'estrazione di principi attivi e la depurazione di matrici di scarto e non-PARTECIPANTE	Finanziamento Progetto -PON ARS01_00432	368000 €
2019	Selection of clinica stage drug candidates for the treatment of wounds in Hailey-Hailey disease- COORDINATORE	APR-Biotechnology	10000 €

Part VII – Research Activities

Keywords	Description
Keratinocytes; Skin cancer; Notch signaling; Hailey-Hailey disease; ATP2C1; Oxidative-stress; Next Generation Sequencing(NGS); Yeast-based screening;	<p>Prof. Talora's research activity is mainly focused on genetics and molecular mechanisms governing the development of skin cancer, the basis for degenerative skin disease and the maintenance of normal skin homeostasis. Prof. Talora's major contributions to skin cancer research have led to the discovery of an unexpected key function of NOTCH1 signaling in the control of epidermal differentiation and tumor suppression. As a post-doctoral fellow with Prof. G. Paolo Dotto at the Cutaneous Biology Research Centre at Mass Gen. Hosp. and Harvard Medical School he has opened new perspectives on the complex signaling network that presides epithelial stem cell renewal and tumorigenesis. For these results he received a Research Award from Center for Innovative Minimally Invasive Therapy (CIMIT), Harvard Medical School Boston USA, with a project entitled : Skin as a source of multi-potent stem cells.</p> <p>A key concept that he is currently further exploring is that the oncogenic or tumor suppressor activity of NOTCH signaling reflects its ability to induce a number of separable-different responses. The concept of targeting the Notch signaling pathway as a therapeutic strategy for treating cancer has attracted increasing interest; a principle that stems from his research is that the activity of NOTCH signaling can likely be manipulated pharmacologically to switch NOTCH signaling from oncogenic to tumour-suppressive and vice versa, resulting in new and innovative approaches to therapy. The range of his research includes the understanding of the interplay between oxidative-stress and signaling pathways that control the normal equilibrium of epithelial cell growth/differentiation using Hailey-Hailey skin disease as a model. He has been in contact with a biotechnology company for joint development of a potential therapy for the treatment of the Hailey-Hailey disease. He conceived and supervised a Phase II, study to evaluate the safety and efficacy of subcutaneous bioresorbable Afamelanotide implants in patients with Hailey-Hailey Disease (HHD). Thanks to the evidence gathered by Prof. Talora's works in two Clinical studies, the Clinuvel-Pharmaceuticals-Limited has received the orphan-drug designation for the use of Afamelanotide in the Hailey-Hailey disease by both the European Medicines Agency and the US Food and Drug Administration (FDA). In his current research activity, regarding Hailey-Hailey disease jointly with APR- Applied Pharma Research, prof. Talora's work is focused on the selection of clinical stage drug candidates for the treatment of wounds in Hailey-Hailey disease patients.</p> <p>Main research focuses: 1999-2003: Molecular mechanisms controlling keratinocytes differentiation and transformation. In his work prof. Talora was the first to show that in epithelial cancer Notch signaling can</p>

	<p>function as a positive determinant of keratinocyte differentiation and tumor suppression.</p> <p>2003-2007: Cell biology and mouse genetics approaches to identify and elucidate mechanisms of the oncogenic arm of NOTCH signaling as a means to further understand NOTCH tumor biology and its duality in cancer.</p> <p>2007-2019</p> <ul style="list-style-type: none"> • Characterization of the molecular basis of Hailey-Hailey disease • Molecular pathology: application of NGS (<i>Next Generation Sequencing</i>) techniques in Hailey-Hailey disease samples. • Molecular characterization of Hailey-Hailey disease derived keratinocytes: identification of modifier genes and miRNA expression in lesioned and non-lesioned HHD-skin keratinocytes. • Identification of molecular regulator of NOTCH1 in epithelial cancer. • Yeast-Based Screen to Identify Natural Compounds with a Potential Therapeutic Effect in Hailey-Hailey Disease. • Development of clinical stage drug candidates for the treatment of Hailey-Hailey disease patients.
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Part VIII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	51	National Library of Medicine/Scopus	1996	2019

Total Impact factor	348
Total Citations	2911
Average Citations per Product	57,07
Hirsch (H) index	23
Normalized H index*	0,958

*H index divided by the academic seniority.

Part IX– Selected Publications

List of the publications selected for the evaluation. For each publication report title, authors, reference data, journal IF (if applicable), citations, press/media release (if any).

1. Articolo in rivista
De Blasio C., Zonfrilli A., Franchitto M., Mariano G., Cialfi S., Verma N., Checquolo S, Bellavia D., Palermo R., Benelli D., Screpanti I., **Talora C.** (2019). PLK1 targets NOTCH1 during DNA damage and mitotic progression. *J Biol Chem.* 2019 Nov 22;294(47):17941-17950. doi: 10.1074/jbc.RA119.009881 PMID: 31597699
IF 2019: 4,106
Citations (from Scopus): 0
2. Articolo in rivista
Ficociello G., Zanni E., Cialfi S., Aurizi C., Biolcati G., Palleschi C., **Talora C**, Uccelletti D. Glutathione S-transferase -subunit as a phenotypic suppressor of pmr1 Δ strain, the *Kluyveromyces lactis* model for Hailey-Hailey disease. (2016) *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH*, vol. 1863, p. 2650-2657, ISSN: 0167-4889, doi: 10.1016/j.bbamcr.2016.08.002 (co-last-author–co-corresponding author). PMID:27523793
IF 2016:4,521
Citations (from Scopus): 5
3. Articolo in rivista
Cialfi Samantha, Le Pera Loredana, De Blasio Carlo, Mariano Germano, Palermo Rocco, Zonfrilli Azzurra, Uccelletti Daniela, Palleschi Claudio, Biolcati Gianfranco, Barbieri Luca, Screpanti Isabella, **Talora Claudio** (2016). The loss of ATP2C1 impairs the DNA damage response and induces altered skin homeostasis: Consequences for epidermal biology in Hailey-Hailey disease. *SCIENTIFIC REPORTS*, ISSN: 2045-2322 PMID:27528123
IF 2016:4,259
Citations (from Scopus): 8
4. Articolo in rivista
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. (2015). The deregulated expression of MIR-125b in acute myeloid leukemia is dependent on the transcription factor C/EBP α . *LEUKEMIA*, vol. 29, p. 2442-2445, ISSN: 0887-6924, doi: 10.1038/leu.2015.117 (co-last author – co-corresponding author) PMID:25982911
IF 2015:12,104
Citations (from Scopus):19
5. Articolo in rivista
Cialfi Samantha, Palermo Rocco, Manca Sonia, De Blasio Carlo, Romero Paula Vargas, Checquolo Saula, Bellavia Diana, Uccelletti Daniela, Saliola Michele, D'Alessandro Angelo, Zolla Lello, Gulino Alberto, Screpanti Isabella, **Talora Claudio** (2014). Loss of Notch1-dependent p21Waf1/Cip1 expression influences the Notch1 outcome in tumorigenesis. *CELL CYCLE*, vol. 13, p. 2046-2055, ISSN: 1538-4101, doi: 10.4161/cc.29079
PMID:24801890
IF 2014: 4,562
Citations (from Scopus):17
6. Articolo in rivista
G. Biolcati, C. Aurizi, L. Barbieri, Samantha Cialfi, Isabella Screpanti, Claudio Talora (2014). Efficacy of the melanocortin analogue Nle4-D-Phe7- α -melanocyte-stimulating hormone in the treatment of patients with Hailey-Hailey disease. *CLINICAL AND EXPERIMENTAL DERMATOLOGY*, vol. 39, p. 168-175, ISSN: 0307-6938, doi: 10.1111/ced.12203. PMID:24256215
IF 2014: 1,092
Citations (from Scopus):19

7. Articolo in rivista
Samantha Cialfi, Rocco Palermo, Sonia Manca, Saula Checquolo, Diana Bellavia, Maria Pelullo, Roberta Quaranta, Carlo Dominici, Alberto Gulino, Isabella Screpanti, **Claudio Talora** (2013). Glucocorticoid sensitivity of T-cell lymphoblastic leukemia/lymphoma is associated with glucocorticoid receptor-mediated inhibition of Notch1 expression. *LEUKEMIA*, vol. 27, p. 485-488, ISSN: 0887-6924, doi: 10.1038/leu.2012.192 PMID:22846929
IF 2013:9,379
Citations (from Scopus):20
8. Articolo in rivista
Sonia Manca, Armando Magrelli, Samantha Cialfi, Karine Lefort, Roberto Ambra, Maurizio Alimandi, Gianfranco Biolcati, Daniela Uccelletti, Claudio Palleschi, Isabella Screpanti, Eleonora Candi, Gerry Melino, Marco Salvatore, Domenica Taruscio, Claudio Talora (2011). Oxidative stress activation of miR-125b is part of the molecular switch for Hailey-Hailey disease manifestation. *EXPERIMENTAL DERMATOLOGY*, vol. 20, p.932-937, ISSN: 0906-6705, doi: 10.1111/j.1600-0625.2011.01359.x PMID:21913998
IF 2011: 3,543
Citations (from Scopus):46
9. Articolo in rivista
S.Cialfi, C. Oliviero, S. Ceccarelli, C. Marchese, L. Barbieri, G. Biolcati, D. Uccelletti, C. Palleschi, L. Barboni, C. De Bernardo, P.Grammatico, A. Magrelli, M. Salvatore , Taruscio D, Frati L, Gulino A, Screpanti I, **Talora C** Complex multipathways alterations and oxidative stress are associated with Hailey-Hailey disease. *BRITISH JOURNAL OF DERMATOLOGY*, vol. 162, p. 518-526, ISSN: 0007-0963, doi: 10.1111/j.1365-2133.2009.09500.x PMID:19903178
IF 2010:4,353
Citations (from Scopus):31
10. Articolo in rivista
Talora C, Cialfi S, Oliviero C, Palermo R, Pascucci M, Frati L, Vacca A, Gulino A, Screpanti I. (2006). Cross talk among Notch3, pre-TCR, and Tal1 in T-cell development and leukemogenesis.. *BLOOD*, vol. 107(8), p. 3313-3320, ISSN: 0006-4971, doi: 10.1182/blood-2005-07-2823
PMID:16368887
IF 2005: 10,730
Citations (from Scopus):35
11. Articolo in rivista
Claudio Talora, Samantha Cialfi, Oreste Segatto, Stefania Morrone, John Kim Choi, Luigi Frati, Paolo G. Dotto, Alberto Gulino, Isabella Screpanti (2005). Constitutively active Notch1 induces growth arrest of HPV-positive cervical cancer cells via separate signaling pathways. *EXPERIMENTAL CELL RESEARCH*, vol. 305, p. 343-354, ISSN: 0014-4827, doi: 10.1016/j.yexcr.2005.01.015 PMID:15817159
IF 2005: 4,148
Citations (from Scopus):60
12. Articolo in rivista
OKUYAMA R, NGUYEN BC, **C. TALORA**, OGAWA E, TOMMASI DI VIGNANO A, LIOUMI M, CHIORINO G, TAGAMI H, WOO M, DOTTO GP
(2004). High commitment of embryonic keratinocytes to terminal differentiation through a Notch1-caspase 3 regulatory mechanism.. *DEVELOPMENTAL CELL*, vol. 6(4), p. 551-556, ISSN: 1534-5807, doi: 10.1016/S1534-5807(04)00098-X
PMID:15068794
IF 2004: 15,534
Citations (from Scopus):141

13. Articolo in rivista

TALORA C., CAMPESE A.F., BELLAVIA D., PASCUCCI M., CHECQUOLO S., GROPPIONI M., FRATI L., VON BOEHMER H., GULINO A., I. SCREPANTI (2003). Pre-TCR-triggered ERK signalling-dependent downregulation of E2A activity in Notch3-induced T-cell lymphoma. *EMBO REPORTS*, vol. 4, p. 1067-1072, ISSN: 1469-221X, doi: 10.1038/sj.embor.7400013
PMID:14566327
IF 2003: 7,390
Citations (from Scopus):67

14. Articolo in rivista

Claudio Talora, D.C. Sgroi, C.P. Crum, G.P. Dotto (2002). Specific down-modulation of Notch1 signaling in cervical cancer cells is required for sustained HPV-E6/E7 expression and late steps of malignant transformation. *GENES & DEVELOPMENT*, vol. 16, p. 2252-2263, ISSN: 0890-9369, doi: 10.1101/gad.988902 PMID:12208848
IF 2002:18,772
Citations (from Scopus):199

15. Articolo in rivista

A.Rangarajan, **Claudio Talora**, R. Okuyama, M. Nicolas, C. Mammucari, H. Oh, J.C. Aster, S. Krishna, D. Metzger, P. Chambon, L. Miele, M. Aguet, F. Radtke, G.P. Dotto (2001). Notch signaling is a direct determinant of keratinocyte growth arrest and entry into differentiation. *EMBO JOURNAL*, vol. 20, p. 3427-3436, ISSN: 0261-4189, doi: 10.1093/emboj/20.13.3427 (**Co-first author**) PMID:11432830
IF 2001:12,459
Citations (from Scopus):645

16. A PKC-eta/Fyn-dependent pathway leading to keratinocyte growth arrest and differentiation. Cabodi S, Calautti E, **Talora C**, Kuroki T, Stein PL, Dotto GP. *Mol Cell*. 2000 Nov;6(5):1121-9.
PMID:11106751
IF 2000:18,195
Citations (from Scopus):67

Part X– All Publications

1. Hypotonic, Acidic Oxidizing Solution Containing Hypochlorous Acid (HClO) as a Potential Treatment of Hailey-Hailey Disease. Cialfi S, Calabro S, Franchitto M, Zonfrilli A, Screpanti I, **Talora C**. *Molecules*. 2019 Dec 4;24(24). pii: E4427. doi: 10.3390/molecules24244427. IF 2019:3,060
Citations (from Scopus):0
2. *Pmr-1* gene affects susceptibility of *Caenorhabditis elegans* to *Staphylococcus aureus* infection through glycosylation and stress response pathways' alterations. Schifano E, Ficociello G, Vespa S, Ghosh S, Cipollo JF, **Talora C**, Lotti LV, Mancini P, Uccelletti D. *Virulence*. 2019 Dec;10(1):1013-1025. doi: 10.1080/21505594.2019.1697118. PMID:31771413
IF 2019:4,775
Citations (from Scopus):1
3. PLK1 targets NOTCH1 during DNA damage and mitotic progression. De Blasio C, Zonfrilli A, Franchitto M, Mariano G, Cialfi S, Verma N, Checquolo S, Bellavia D, Palermo R, Benelli D, Screpanti I, **Talora C**. *J Biol Chem*. 2019 Nov 22;294(47):17941-17950. doi: 10.1074/jbc.RA119.009881. PMID: 31597699
IF 2019:4,106
Citations (from Scopus):0
4. Kras/ADAM17-Dependent Jag1-ICD Reverse Signaling Sustains Colorectal Cancer Progression and Chemoresistance. Pelullo M, Nardoza F, Zema S, Quaranta R, Nicoletti C, Besharat ZM, Felli MP, Cerbelli B, d'Amati G, Palermo R, Capalbo C, **Talora C**, Di Marcotullio L, Giannini G, Checquolo S, Screpanti I, Bellavia D. *Cancer Res*. 2019 Nov 1;79(21):5575-5586. doi: 10.1158/0008-5472.CAN-19-0145. PMID: 31506332
IF 2019:8,378
Citations (from Scopus):1
5. WC-1 and the Proximal GATA Sequence Mediate a Cis-/Trans-Acting Repressive Regulation of Light-Dependent Gene Transcription in the Dark. Brenna A, **Talora C**. *Int J Mol Sci*. 2019 Jun 12;20(12). pii: E2854. doi: 10.3390/ijms20122854. PMID: 31212732
IF 2019:4,183
Citations (from Scopus):0
6. Histone Modifications Drive Aberrant Notch3 Expression/Activity and Growth in T-ALL. Tottone L, Zhdanovskaya N, Carmona Pestaña Á, Zampieri M, Simeoni F, Lazzari S, Ruocco V, Pelullo M, Caiafa P, Felli MP, Checquolo S, Bellavia D, **Talora C**, Screpanti I, Palermo R. *Front Oncol*. 2019 Apr 3;9:198. doi: 10.3389/fonc.2019.00198. eCollection 2019. PMID: 31001470
IF 2019:4,137
Citations (from Scopus):7
7. DNA Damage Stress: Cui Prodest? Verma N, Franchitto M, Zonfrilli A, Cialfi S, Palermo R, **Talora C**. *Int J Mol Sci*. 2019 Mar 1;20(5). pii: E1073. doi: 10.3390/ijms20051073. Review. PMID: 30832234
IF 2019:4,183
Citations (from Scopus):6

8. Autophagy processes are dependent on EGF receptor signaling. De Iuliis V, Marino A, Caruso M, Capodifoglio S, Flati V, Marynuk A, Marricareda V, Ursi S, Lanuti P, **Talora C**, Conti P, Martinotti S, Toniato E. *Oncotarget*. 2018 Jul 13;9(54):30289-30303. doi: 10.18632/oncotarget.25708. eCollection 2018 Jul 13. PMID: 30100990
IF 2019:0
Citations (from Scopus):3
9. Yeast-Based Screen to Identify Natural Compounds with a Potential Therapeutic Effect in Hailey-Hailey Disease. Ficociello G, Zonfrilli A, Cialfi S, **Talora C**, Uccelletti D. *Int J Mol Sci*. 2018 Jun 20;19(6). pii: E1814. doi: 10.3390/ijms19061814. PMID: 29925776
IF 2019:4,183
Citations (from Scopus):1
10. Mir-34a-5p Mediates Cross-Talk between M2 Muscarinic Receptors and Notch-1/EGFR Pathways in U87MG Glioblastoma Cells: Implication in Cell Proliferation. Di Bari M, Bevilacqua V, De Jaco A, Laneve P, Piovesana R, Trobiani L, **Talora C**, Caffarelli E, Tata AM. *Int J Mol Sci*. 2018 May 31;19(6). pii: E1631. doi: 10.3390/ijms19061631. PMID: 29857516
IF 2019:4,183
Citations (from Scopus):11
11. NOTCH3 inactivation increases triple negative breast cancer sensitivity to gefitinib by promoting EGFR tyrosine dephosphorylation and its intracellular arrest. Diluvio G, Del Gaudio F, Giuli MV, Franciosa G, Giuliani E, Palermo R, Besharat ZM, Pignataro MG, Vacca A, d'Amati G, Maroder M, **Talora C**, Capalbo C, Bellavia D, Checquolo S. *Oncogenesis*. 2018 May 25;7(5):42. doi: 10.1038/s41389-018-0051-9. PMID:29795369
IF 2018:5,995
Citations (from Scopus):15
12. Maml1 acts cooperatively with Gli proteins to regulate sonic hedgehog signaling pathway. Quaranta R, Pelullo M, Zema S, Nardoza F, Checquolo S, Lauer DM, Bufalieri F, Palermo R, Felli MP, Vacca A, **Talora C**, Di Marcotullio L, Screpanti I, Bellavia D. *Cell Death Dis*. 2017 Jul 20;8(7):e2942. doi: 10.1038/cddis.2017.326. PMID: 28726779
IF 2017:5,638
Citations (from Scopus):10
13. Identification of a novel chalcone derivative that inhibits Notch signaling in T-cell acute lymphoblastic leukemia. Mori M, Tottone L, Quaglio D, Zhdanovskaya N, Ingallina C, Fusto M, Ghirga F, Peruzzi G, Crestoni ME, Simeoni F, Giulimondi F, **Talora C**, Botta B, Screpanti I, Palermo R. *Sci Rep*. 2017 May 19;7(1):2213. doi: 10.1038/s41598-017-02316-9. PMID: 28526832
IF 2017:4,122
Citations (from Scopus):17
14. 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. Erratum in: *Sci Rep*. 2017 Mar 16;7:44514. PMID: 27528123
IF 2016:4,259
Citations (from Scopus):8

15. Glutathione S-transferase Θ -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. Epub 2016 Aug 11. PMID: 27523793
IF 2016: 4,521:
Citations (from Scopus):5

16. 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. PMID: 27312418
IF 2016:12,124
Citations (from Scopus):8

17. Regulation of proapoptotic proteins Bak1 and p53 by miR-125b in an experimental model of Alzheimer's disease: Protective role of 17 β -estradiol. Micheli F, Palermo R, **Talora C**, Ferretti E, Vacca A, Napolitano M. *Neurosci Lett*. 2016 Aug 26;629:234-240. doi: 10.1016/j.neulet.2016.05.049. Epub 2016 May 25. PMID: 27235580
IF 2016:2,180
Citations (from Scopus):16

18. Prolyl-isomerase Pin1 controls Notch3 protein expression and regulates T-ALL progression. Franciosa G, Diluvio G, Gaudio FD, Giuli MV, Palermo R, Grazioli P, Campese AF, **Talora C**, Bellavia D, D'Amati G, Besharat ZM, Nicoletti C, Siebel CW, Choy L, Rustighi A, Sal GD, Screpanti I, Checquolo S. *Oncogene*. 2016 Sep 8;35(36):4741-51. doi: 10.1038/onc.2016.5. PMID: 26876201
IF 2016:7,519
Citations (from Scopus):31

19. In vitro toxicity studies of zinc oxide nano- and microrods on mammalian cells: A comparative analysis. Zanni, E, De Palma, S., Chandraiaghari, C.R., De Bellis, G., Cialfi, S., Talora, C., Palleschi, C., Sarto, M.S., Uccelletti, D., Mancini, P. *Materials Letters* 2016 179, 15 September 2016, Pages 90-94
IF 2016:2,572
Citations (from Scopus):14

20. 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. doi: 10.1038/leu.2015.117. PMID: 25982911
IF 2015:12,104
Citations (from Scopus):19

21. Notch3/Jagged1 circuitry reinforces notch signaling and sustains T-ALL. Pelullo M, Quaranta R, **Talora C**, Checquolo S, Cialfi S, Felli MP, te Kronnie G, Borga C, Besharat ZM, Palermo R, Di Marcotullio L, Capobianco AJ, Gulino A, Screpanti I, Bellavia D. *Neoplasia*. 2014 Dec;16(12):1007-17. doi: 10.1016/j.neo.2014.10.004. PMID: 25499214
IF 2014:4,252
Citations (from Scopus):27

22. The epigenetic factor BORIS/CTCF regulates the NOTCH3 gene expression in cancer cells. Zampieri M, Ciccarone F, Palermo R, Cialfi S, Passananti C, Chiaretti S, Nocchia D, **Talora C**,

- Screpanti I, Caiafa P. *Biochim Biophys Acta*. 2014 Sep;1839(9):813-25. doi: 10.1016/j.bbagr.2014.06.017. PMID: 24984200
IF 2014:6,332
Citations (from Scopus):19
23. 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. Epub 2014 May 6. PMID:24801890
IF 2014:4,562
Citations (from Scopus):17
24. Notch and NF-kB signaling pathways regulate miR-223/FBXW7 axis in T-cell acute lymphoblastic leukemia. Kumar V, Palermo R, **Talora C**, Campese AF, Checquolo S, Bellavia D, Tottone L, Testa G, Miele E, Indraccolo S, Amadori A, Ferretti E, Gulino A, Vacca A, Screpanti I. *Leukemia*. 2014 Dec;28(12):2324-35. doi: 10.1038/leu.2014.133. Epub 2014 Apr 14. PMID:24727676
IF 2014:10,431
Citations (from Scopus):98
25. M2 muscarinic receptor activation regulates Schwann cell differentiation and myelin organization. Ugenti C, De Stefano ME, Costantino M, Loreti S, Pisano A, Avallone B, **Talora C**, Magnaghi V, Tata AM. *Dev Neurobiol*. 2014 Jul;74(7):676-91. doi: 10.1002/dneu.22161. PMID: 24403178
IF 2014:3,370
Citations (from Scopus):13
26. 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. doi: 10.1111/ced.12203. Epub 2013 Oct 25. PMID: 24256215
IF 2013:1,092
Citations (from Scopus):19
27. The molecular basis of notch signaling regulation: a complex simplicity. Palermo R, Checquolo S, Bellavia D, **Talora C**, Screpanti I. *Curr Mol Med*. 2014 Jan;14(1):34-44. Review. PMID: 24236458
IF 2014:3,621
Citations (from Scopus):27
28. Inhibition of microbial growth by carbon nanotube networks. Olivi M, Zanni E, De Bellis G, **Talora C**, Sarto MS, Palleschi C, Flahaut E, Monthieux M, Rapino S, Uccelletti D, Fiorito S. *Nanoscale*. 2013 Oct 7;5(19):9023-9. doi: 10.1039/c3nr02091f. PMID:23934344
IF 2013:6,739
Citations (from Scopus):26
29. 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. PMID: 22846929
IF 2013:9,379
Citations (from Scopus):20

30. The translation factor eIF6 is a Notch-dependent regulator of cell migration and invasion. Benelli D, Cialfi S, Pinzaglia M, **Talora C**, Londei P. PLoS One. 2012;7(2):e32047. doi: 10.1371/journal.pone.0032047. Epub PMID:22348144
IF 2012:3,730
Citations (from Scopus):15
31. 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. doi: 10.1111/j.1600-0625.2011.01359.x. PMID: 21913998
IF 2011:3,543
Citations (from Scopus):46
32. Differential subcellular localization regulates c-Cbl E3 ligase activity upon Notch3 protein in T-cell leukemia. Checquolo S, Palermo R, Cialfi S, Ferrara G, Oliviero C, **Talora C**, Bellavia D, Giovenco A, Grazioli P, Frati L, Gulino A, Screpanti I. Oncogene. 2010 Mar 11;29(10):1463-74. doi: 10.1038/onc.2009.446. PMID: 19966856
IF 2010:7,414
Citations (from Scopus):20
33. 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. doi: 10.1111/j.1365-2133.2009.09500.x. PMID:19903178
IF 2010:4,353
Citations (from Scopus):31
34. SOD1, a new Kluyveromyces lactis helper gene for heterologous protein secretion. Raimondi S, Zanni E, **Talora C**, Rossi M, Palleschi C, Uccelletti D. Appl Environ Microbiol. 2008 Dec;74(23):7130-7. doi: 10.1128/AEM.00955-08. PMID: 18836000
IF 2008:3,801
Citations (from Scopus):13
35. Human papilloma virus-dependent HMGA1 expression is a relevant step in cervical carcinogenesis. Mellone M, Rinaldi C, Massimi I, Petroni M, Veschi V, **Talora C**, Truffa S, Stabile H, Frati L, Screpanti I, Gulino A, Giannini G. Neoplasia. 2008 Aug;10(8):773-81. PMID: 18670638
IF 2008:5,191
Citations (from Scopus):15
36. Notch signaling and diseases: an evolutionary journey from a simple beginning to complex outcomes. **Talora C**, Campese AF, Bellavia D, Felli MP, Vacca A, Gulino A, Screpanti I. Biochim Biophys Acta. 2008 Sep;1782(9):489-97. doi: 10.1016/j.bbadis.2008.06.008. Review. PMID: 18625307
IF 2008:4,579
Citations (from Scopus):65
37. Notch3 and the Notch3-upregulated RNA-binding protein HuD regulate Ikaros alternative splicing. Bellavia D, Mecarozzi M, Campese AF, Grazioli P, **Talora C**, Frati L, Gulino A, Screpanti I. EMBO J. 2007 Mar 21;26(6):1670-80. PMID: 17332745
IF 2007:8,662
Citations (from Scopus):59

38. Cross talk among Notch3, pre-TCR, and Tal1 in T-cell development and leukemogenesis. **Talora C**, Cialfi S, Oliviero C, Palermo R, Pascucci M, Frati L, Vacca A, Gulino A, Screpanti I. *Blood*. 2006 Apr 15;107(8):3313-20. PMID:16368887
IF 2006:10,730
Citations (from Scopus):35
39. The Golgi Ca²⁺-ATPase KIPmr1p function is required for oxidative stress response by controlling the expression of the heat-shock element HSP60 in *Kluyveromyces lactis*. Uccelletti D, Farina F, Pinton P, Goffrini P, Mancini P, **Talora C**, Rizzuto R, Palleschi C. *Mol Biol Cell*. 2005 Oct;16(10):4636-47. Epub 2005 Jul 19. PMID:16030259
IF 2005:6,520
Citations (from Scopus):27
40. 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. PMID: 15817159
IF 2005:4,148
Citations (from Scopus):60
41. PKC theta mediates pre-TCR signaling and contributes to Notch3-induced T-cell leukemia. Felli MP, Vacca A, Calce A, Bellavia D, Campese AF, Grillo R, Di Giovine M, Checquolo S, **Talora C**, Palermo R, Di Mario G, Frati L, Gulino A, Screpanti I. *Oncogene*. 2005 Feb 3;24(6):992-1000. PMID:15592506
IF 2005:6,872
Citations (from Scopus):62
42. High commitment of embryonic keratinocytes to terminal differentiation through a Notch1-caspase 3 regulatory mechanism. Okuyama R, Nguyen BC, **Talora C**, Ogawa E, Tommasi di Vignano A, Lioumi M, Chiorino G, Tagami H, Woo M, Dotto GP. *Dev Cell*. 2004 Apr;6(4):551-62. PMID:15068794
IF 2004:15,534
Citations (from Scopus):141
43. Pre-TCR-triggered ERK signalling-dependent downregulation of E2A activity in Notch3-induced T-cell lymphoma. **Talora C**, Campese AF, Bellavia D, Pascucci M, Checquolo S, Groppioni M, Frati L, von Boehmer H, Gulino A, Screpanti I. *EMBO Rep*. 2003 Nov;4(11):1067-72. PMID:14566327
IF 2003:7,390
Citations (from Scopus):67
44. 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. PMID:12208848
IF 2002:18,772
Citations (from Scopus):199
45. Cross talk among calcineurin, Sp1/Sp3, and NFAT in control of p21(WAF1/CIP1) expression in keratinocyte differentiation. Santini MP, **Talora C**, Seki T, Bolgan L, Dotto GP. *Proc Natl Acad Sci U S A*. 2001 Aug 14;98(17):9575-80. Epub 2001 Aug 7. PMID: 11493684
IF 2001:10,896
Citations (from Scopus):123
46. Notch signaling is a direct determinant of keratinocyte growth arrest and entry into differentiation. Rangarajan A, **Talora C**, 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. PMID: 11432830
IF 2001:12,459
Citations (from Scopus):645

47. A PKC-eta/Fyn-dependent pathway leading to keratinocyte growth arrest and differentiation. Cabodi S, Calautti E, **Talora C**, Kuroki T, Stein PL, Dotto GP. Mol Cell. 2000 Nov;6(5):1121-9. PMID:11106751
IF 2000:18,195
Citations (from Scopus):67
48. Inhibition of ErbB-2 mitogenic and transforming activity by RALT, a mitogen-induced signal transducer which binds to the ErbB-2 kinase domain. Fiorentino L, Pertica C, Fiorini M, **Talora C**, Crescenzi M, Castellani L, Alemà S, Benedetti P, Segatto O. Mol Cell Biol. 2000 Oct;20(20):7735-50. PMID:11003669
IF 2000:9,666
Citations (from Scopus):107
49. Role of a white collar-1-white collar-2 complex in blue-light signal transduction. **Talora C**, Franchi L, Linden H, Ballario P, Macino G. EMBO J. 1999 Sep 15;18(18):4961-8. PMID:10487748
IF 1999:11,227
Citations (from Scopus):184
50. Roles in dimerization and blue light photoresponse of the PAS and LOV domains of Neurospora crassa white collar proteins. Ballario P, **Talora C**, Galli D, Linden H, Macino G. Mol Microbiol. 1998 Aug;29(3):719-29. PMID:9723912
IF 1998:6,086
Citations (from Scopus):145
51. White collar-1, a central regulator of blue light responses in Neurospora, is a zinc finger protein. Ballario P, Vittorioso P, Magrelli A, **Talora C**, Cabibbo A, Macino G. EMBO J. 1996 Apr 1;15(7):1650-7. PMID:8612589
IF 1999:13,973
Citations (from Scopus):346

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