CURRICULUM VITAE ET STUDIORUM

Name TERRINONI ALESSANDRO
Birth: Roma, 22-05-1968
e-mail: alessandro.Terrinoni@uniroma2.it
Nationality: Italian
Languages: Italian, English
Gender: Male

WORK EXPERIENCE
Present position
Associate Professor at Department of Experimental Medicine, University of Roma "Tor Vergata".
Tel: +39.06.20902362
Previous positions

Biographical Sketch

Alessandro Terrinoni has been, and previously He graduated in Biology at the University of Rome La Sapienza (1993) Science and Human Nutrition at the University of Rome Tor Vergata (2005) and after his PhD at the University of Rome Tor Vergata (2001). Dr Terrinoni spent time working in Dundee (Prof Irwin Mclean), London (prof Martin Raff), University of Leicester, MRC Toxicology Unit Hodgkin Building (prof. Pierluigi Nicotera).
At the scientific level he has worked on cell death, in cancer and dermatological models. It worked on the p53 family, in particular on p63 and p73, of which he identified part of the mechanisms of cell death, of gene transactivation, the biochemical degradation pathways, inhibitors of proteosomal degradation, the physiological regulatory mechanisms (using transgenic mouse models developed in his laboratory). He also identified the biochemical mechanisms of death of keratinocytes in in vitro skin (role of transglutaminase and their substrates) and in vivo, developing transgenic mice and studying human pathologies. These latest research have led to the identification of a new genetic disease and the discovery of the molecular cause of other genetic diseases of the skin. In particular: (**1**) UNILATERAL PALMOPLANTAR VERRUCOUS NEVUS, new genodermatosis described in OMIM (144200), (**2**) Marie Unna Hereditary Hypotrichosis (OMIM 146550). He developed vectors for the creation of transgenic animals with MiR expression selectively in the epidermis (MiR24). He developed the system with luciferase for the analysis of the effect of MiR217 on the 3rd minute of Sirt-1.
Currently in the Clinical Biochemistry laboratory he also deals with the role of some MiR in the differentiation of myocytes, colorectal cancer (CRC) and in their analysis in liquid biopsy of CRCpatients.

Scientific production
100 Articles published, 18 First Author, 16 Corresponding Author
Total Citations: 4336 (Scopus)
h-Index: 32 (Scopus)

Education
1993 degree in Biology, with full score.
2001 PhD in Biology and Physiopathology of Epithelia, cum laude, University of Rome "Tor Vergata".
2005 Degree in Human Nutrition Science cum Laude, University of Rome Tor Vergata.

Other qualifications
- National scientific qualification: Full professor of Clinical Biochemistry and Clinical Molecular Biology, Call 2020.
-Biology board qualification (148/150)
-2nd course on apoptosis of the Italian Association for Cell Biology and Differentition. "Gran Sasso" Italy June 3rd to 5th 1998
- Animal models of human Disease: Modelling Human Cancers in the Mouse, a Pratical Issue. European School of Haematology (ESH), Eurolab. Paris, 24-28 January 2002.
-Affymetrix Gene Chip Technology: Sample preparation, Ibridization and Data Mining Tools. IDI-IRCCS, Rome 7 November 2003.

Current teaching Activity

- Degree in Pharmacy (English), University of di Rome Tor Vergata, course of Drug Analysis I, 5 CFU and Clinical Biochemistry, 2CFU
- Degree in Nutrizione Umana, University of di Rome Tor Vergata, course of Clinical Biochemistry 5CFU
- Scuola di Specializzazione in Biochimica e Patologia Clinica. Clinical Biochemistry
- Scuola di Specializzazione in Biochimica e Patologia Clinica Clinical Biochemistry
- Scuola di Specializzazione in Endocrinologia e Malattie del Metabolismo, Clinical Biochemistry
- Board of the PhD program in Molecular Biology, Università di Roma Tor Vergata,

Other

Editorial Boards
Editorial Board for Biochemistry in Enciclopedia of Life Sciences (Wiley)
Editorial Board for Journal of Cytology and Tissue Biology
Editorial Board for International Journal of Molecular Sciences (MDPI)

Referee
Cell Death and Differentiation
Cell Death and Disease
British Journal of Dermatology
Investigative Journal of Dermatology
European Journal of Dermatology
American Journal Of Physiology – Cell Biology
Journal of Molecular Sciences (MDPI)
Nutrients
Others

Books
Alessandro Terrinoni, Southern e Northern Blot. Metodologie Bio-Molecolari nel Nuovo Millennio, Zanichelli 2019

Terrinoni, Alessandro, Melino, Gerry, Serra, Valeria, Alessandrini, Marco, Napolitano, Bianca, and Bruno, Ernesto (Sep 2009) Deafness. In: eLS. John Wiley & Sons Ltd, Chichester. http://www.els.net [doi: 10.1002/9780470015902.a0001453.pub2]

Candi, E, McLean, WH, Didona, B, Terrinoni, A, and Melino, G(Dec 2009) Cornification Diseases (Skin Cell Death). In: eLS. John Wiley & Sons Ltd, Chichester. http://www.els.net [doi: 10.1002/9780470015902.a0021986]

Melino, G., De Laurenzi, V., Catani, M. V., Terrinoni, A., Ciani, B., Candi, E., Marekov, L. & Steinert, P. M. 1998. The cornified envelope: a model of cell death in the skin. *Results Probl Cell Differ*, 24,
L'involucro corneo un modello di differenziamento e morte cellulare, Eleonora Candi, Alessandro Terrinoni, Gerry Melino, in *Argomenti di biologia molecolare,* SEU, 2006, ISBN: 8889548312 ISBN-13: 9788889548318

Grant Scientific Coordinator

Scientific PI of Ricerca n° 8 - Istituto Dermopatico dell'Immacolata (IDI-IRCCS), afferente al Destinatario Istituzionale n° 1 - Istituto Europeo di Oncologia (IEO), ai fini della realizzazione del progetto "Identificazione di marcatori per la predizione della risposta a nuovi farmaci antitumorali (inibitori di HDAC, tirosino chinasi e pompe ioniche)"

Scientific PI of the following research grant "Ricerca Corrente Italian Ministry of Health"

1. RC-1.1, 2009-2015: "Meccanismi genetici e molecolari che regolano lo sviluppo della cute in condizioni normali e patologiche".
2. RC-1.3, 2009-2015: "Il differenziamento terminale dell'epidermide: meccanismi molecolari e malattie genetiche correlate".
3. RC-3.6, 2009-2015: "Ruolo della regolazione trascrizionale e post traduzionale degli elementi della p53 family, nella cancerogenesi e nella resistenza a chemioterapici, in tumori di origine epiteliale. Valutazione di nuovi target terapeutici".

Meetings (speaker)
Alessandro Terrinoni et al. The role of TGase3 in ultraviolet photodamage. 11th EWCD European Workshops on Cell Death. DEATH NEVER DIES FIUGGI May 6th to 11th 2018

Alessandro Terrinoni et al, Luteolin-7-glucoside inhibits IL-22/STAT3 pathway, reducing proliferation, acanthosis and inflammation in keratinocytes and in mouse psoriatic model. EWCD European Workshops on Cell Death. DEATH NEVER DIES FIUGGI APRIL 3rd to 8th 2016

Palombo R, Porta G, Bruno E, Provero P, Serra V, Neduri K, Viziano A, Alessandrini M, Micarelli A, Ottaviani F, Melino G, Terrinoni A. OTX2 regulates the expression of TAp63 leading to macular and cochlear neuroepithelium development. P63 international, Ricerca e confronti Padova, 24-25 November 2015 (Speaker)

Serra V, Codispoti A, Bruno E, van Bokhoven H, Candi E, Melino G, Terrinoni A (2012) The molecular and physiological mechanism responsible of sensorineural deafness in EEC syndrome: role of the p63 transcription factor. Journal of Investigative Dermatology 132:S104-S104.
2nd Annual Meeting of the European-Society-for-Dermatological-Research (ESDR) Location: Venice, ITALY Date: SEP 07-10, 2012 (Speaker)

Alessandro Terrinoni. Involvement of p63 apoptosis/differentiation pathway in cochlear neuroepitelum. and sensorineural deafness. 20th Euroconference on Apoptosis "From Death to Eternity". (speaker)

Valeria Serra, Alessandro Terrinoni Ernesto Bruno, Hans van Bohkoven. The role of p63 in cochlea development and in sensorineural deafness in EEC syndrome (Speaker). 5th p63/p73 Workshop in Lyon 11-14 September 2011

Terrinoni A, Serra V, van Bohkoven H, Codispoti A, Melino G (2011) The role of p63 in cochlea development and in sensorineural deafness in EEC syndrome. Journal of Investigative Dermatology 131:S67-S67. 41st Annual Meeting of the European-Society-for-Dermatological-Research Location: Barcelona, SPAIN Date: SEP 07-10, 2011

Candi E, Cipollone R, Codispoti A, Melino G, Terrinoni A (2008) Transcriptional study of p63alpha mutants found in ectodermal dysplasia syndromes. Journal of Investigative Dermatology 128:S128-S128. International Investigative Dermatology Meeting Location: Kyoto, JAPAN Date: MAY 12-17, 2008

Terrinoni A, Codispoti A, Paradisi M, Didona B, Melino G (2007) Functional characterization of different Connexin 26 mutants identified in KID Syndrome patients: impairment of membrane trafficking and connexon assembly. Journal of Investigative Dermatology 127:S83-S83.
37th Annual Meeting of the European-Society-for-Dermatological-Research Location: Zurich, SWITZERLAND Date: SEP 05-08, 2007.

Terrinoni A, Didona B, Codispoti A, Zocchi L, Melino G (2006) The novel Connexinx 26 Gly11Glu heterozygous mutation is responsible of a case of KID Syndrome, via the impairment of membrane trafficking and connexon assembly. Journal of Investigative Dermatology 126:81-81.
67th Annual Meeting of the Society-for-Investigative-Dermatology Location: Philadelphia, PA Date: MAY 03-06, 2006

Selected publications

1. Rapanotti, M.C.; Cugini, E.; Nuccetelli, M.; Terrinoni, A.; Di Raimondo, C.; Lombardo, P.; Costanza, G.; Cosio, T.; Rossi, P.; Orlandi, A., et al. MCAM/MUC18/CD146 as a Multifaceted Warning Marker of Melanoma Progression in Liquid Biopsy. Int J Mol Sci 2021, 22, doi:10.3390/ijms222212416.
2. Caporali, S.; Didona, B.; Paradisi, M.; Mauriello, A.; Campione, E.; Falconi, M.; Iacovelli, F.; Minieri, M.; Pieri, M.; Bernardini, S., et al. Post Zygotic, Somatic, Deletion in KERATIN 1 V1 Domain Generates Structural Alteration of the K1/K10 Dimer, Producing a Monolateral Palmar Epidermolytic Nevus. Int J Mol Sci 2021, 22, doi:10.3390/ijms22136901.
3. Caporali, S.; Calabrese, C.; Minieri, M.; Pieri, M.; Tarantino, U.; Marini, M.; D'Ottavio, S.; Angeletti, S.; Mauriello, A.; Cortese, C., et al. The miR-133a, TPM4 and TAp63gamma Role in Myocyte Differentiation Microfilament Remodelling and Colon Cancer Progression. Int J Mol Sci 2021, 22, doi:10.3390/ijms22189818.
4. Diluvio, L.; Caporali, S.; Lozzi, F.; Campione, E.; Mazzilli, S.; Lanna, C.; Bianchi, L.; Bernardini, S.; Minieri, M.; Mauriello, A., et al. Birt-Hogg-Dube syndrome, from non-invasive dermatologic assessment to gene testing, molecular and ultrastructural histologic analysis. J Eur Acad Dermatol Venereol 2020, 34, e206-e209, doi:10.1111/jdv.16168.
5. Terrinoni, A.; Palombo, R.; Pitolli, C.; Caporali, S.; De Berardinis, R.; Ciccarone, S.; Lanzillotta, A.; Mauramati, S.; Porta, G.; Minieri, M., et al. Role of the TAp63 Isoform in Recurrent Nasal Polyps. Folia Biol (Praha) 2019, 65, 170-180.
6. Terrinoni, A.; Calabrese, C.; Basso, D.; Aita, A.; Caporali, S.; Plebani, M.; Bernardini, S. The circulating miRNAs as diagnostic and prognostic markers. Clin Chem Lab Med 2019, 57, 932-953, doi:10.1515/cclm-2018-0838.
7. Palombo, R.; Caporali, S.; Falconi, M.; Iacovelli, F.; Morozzo Della Rocca, B.; Lo Surdo, A.; Campione, E.; Candi, E.; Melino, G.; Bernardini, S., et al. Luteolin-7-O-beta-d-Glucoside Inhibits Cellular Energy Production Interacting with HEK2 in Keratinocytes. Int J Mol Sci 2019, 20, doi:10.3390/ijms20112689.
8. Terrinoni, A.; Didona, B.; Caporali, S.; Chillemi, G.; Lo Surdo, A.; Paradisi, M.; Annichiarico-Petruzzelli, M.; Candi, E.; Bernardini, S.; Melino, G. Role of the keratin 1 and keratin 10 tails in the pathogenesis of ichthyosis hystrix of Curth Macklin. PLoS ONE 2018, 13, e0195792, doi:10.1371/journal.pone.0195792.
9. Frezza, V.; Terrinoni, A.; Pitolli, C.; Mauriello, A.; Melino, G.; Candi, E. Transglutaminase 3 Protects against Photodamage. J Invest Dermatol 2017, 137, 1590-1594, doi:10.1016/j.jid.2017.02.982.
10. Palombo, R.; Savini, I.; Avigliano, L.; Madonna, S.; Cavani, A.; Albanesi, C.; Mauriello, A.; Melino, G.; Terrinoni, A. Luteolin-7-glucoside inhibits IL-22/STAT3 pathway, reducing proliferation, acanthosis, and inflammation in keratinocytes and in mouse psoriatic model. Cell Death Dis 2016, 7, e2344, doi:10.1038/cddis.2016.201.
11. Palombo, R.; Porta, G.; Bruno, E.; Provero, P.; Serra, V.; Neduri, K.; Viziano, A.; Alessandrini, M.; Micarelli, A.; Ottaviani, F., et al. OTX2 regulates the expression of TAp63 leading to macular and cochlear neuroepithelium development. Aging (Albany NY) 2015, 7, 928-936, doi:10.18632/aging.100839.
12. Terrinoni, A.; Serra, V.; Bruno, E.; Strasser, A.; Valente, E.; Flores, E.R.; van Bokhoven, H.; Lu, X.; Knight, R.A.; Melino, G. Role of p63 and the Notch pathway in cochlea development and sensorineural deafness. Proc Natl Acad Sci U S A 2013, 110, 7300-7305, doi:10.1073/pnas.1214498110.
13. Tucci, P.; Agostini, M.; Grespi, F.; Markert, E.K.; Terrinoni, A.; Vousden, K.H.; Muller, P.A.; Dotsch, V.; Kehrloesser, S.; Sayan, B.S., et al. Loss of p63 and its microRNA-205 target results in enhanced cell migration and metastasis in prostate cancer. Proc Natl Acad Sci U S A 2012, 109, 15312-15317, doi:10.1073/pnas.1110977109.
14. Amelio, I.; Lena, A.M.; Viticchie, G.; Shalom-Feuerstein, R.; Terrinoni, A.; Dinsdale, D.;

Russo, G.; Fortunato, C.; Bonanno, E.; Spagnoli, L.G., et al. miR-24 triggers epidermal differentiation by controlling actin adhesion and cell migration. J Cell Biol 2012, 199, 347-363, doi:10.1083/jcb.201203134.
15. Terrinoni, A.; Pagani, I.S.; Zucchi, I.; Chiaravalli, A.M.; Serra, V.; Rovera, F.; Sirchia, S.; Dionigi, G.; Miozzo, M.; Frattini, A., et al. OTX1 expression in breast cancer is regulated by p53. Oncogene 2011, 30, 3096-3103, doi:10.1038/onc.2011.31.
16. Terrinoni, A.; Codispoti, A.; Serra, V.; Didona, B.; Bruno, E.; Nistico, R.; Giustizieri, M.; Alessandrini, M.; Campione, E.; Melino, G. Connexin 26 (GJB2) mutations, causing KID Syndrome, are associated with cell death due to calcium gating deregulation. Biochem Biophys Res Commun 2010, 394, 909-914, doi:10.1016/j.bbrc.2010.03.073.
17. Campione, E.; Terrinoni, A.; Orlandi, A.; Codispoti, A.; Melino, G.; Bianchi, L.; Mazzotta, A.; Garaci, F.G.; Ludovici, A.; Chimenti, S. Cerebral cavernomas in a family with multiple cutaneous and uterine leiomyomas associated with a new mutation in the fumarate hydratase gene. J Invest Dermatol 2007, 127, 2271-2273, doi:10.1038/sj.jid.5700851.
18. Gressner, O.; Schilling, T.; Lorenz, K.; Schulze Schleithoff, E.; Koch, A.; Schulze-Bergkamen, H.; Lena, A.M.; Candi, E.; Terrinoni, A.; Catani, M.V., et al. TAp63alpha induces apoptosis by activating signaling via death receptors and mitochondria. EMBO J 2005, 24, 2458-2471, doi:10.1038/sj.emboj.7600708.
19. Terrinoni, A.; Ranalli, M.; Cadot, B.; Leta, A.; Bagetta, G.; Vousden, K.H.; Melino, G. p73-alpha is capable of inducing scotin and ER stress. Oncogene 2004, 23, 3721-3725, doi:10.1038/sj.onc.1207342.
20. Billon, N.; Terrinoni, A.; Jolicoeur, C.; McCarthy, A.; Richardson, W.D.; Melino, G.; Raff, M. Roles for p53 and p73 during oligodendrocyte development. Development (Cambridge) 2004, 131, 1211-1220, doi:10.1242/dev.01035.

TOTAL PUBBLICATIONS
[1-100]

1. Rapanotti, M.C.; Cugini, E.; Nuccetelli, M.; Terrinoni, A.; Di Raimondo, C.; Lombardo, P.; Costanza, G.; Cosio, T.; Rossi, P.; Orlandi, A., et al. MCAM/MUC18/CD146 as a Multifaceted Warning Marker of Melanoma Progression in Liquid Biopsy. *Int J Mol Sci* **2021**, *22*, doi:10.3390/ijms222212416.
2. Pieri, M.; Pignalosa, S.; Perrone, M.A.; Russo, C.; Noce, G.; Perrone, A.; Terrinoni, A.; Massoud, R.; Bernardini, S. Evaluation of the Diesse Cube 30 touch erythrocyte sedimentation method in comparison with Alifax test 1 and the manual Westergren gold standard method. *Scand J Clin Lab Invest* **2021**, *81*, 181-186, doi:10.1080/00365513.2021.1881996.
3. Perna, A.; Passiatore, M.; Massaro, A.; Terrinoni, A.; Bianchi, L.; Cilli, V.; D'Orio, M.; Proietti, L.; Taccardo, G.; De Vitis, R. Skin manifestations in COVID-19 patients, state of the art. A systematic review. *Int J Dermatol* **2021**, *60*, 547-553, doi:10.1111/ijd.15414.
4. Nicolai, E.; Nuccetelli, M.; Sarubbi, S.; Basile, V.; Perrone, M.A.; Terrinoni, A.; Minieri, M.; Pieri, M.; Bernardini, S. Performance evaluation of the new Chemiluminescence Immunoassay CL-1200i Thyroid Panel. *J Immunoassay Immunochem* **2021**, 10.1080/15321819.2021.2017301, 1-13, doi:10.1080/15321819.2021.2017301.
5. Minieri, M.; Leoni, B.D.; Bellincampi, L.; Bajo, D.; Agnoli, A.; De Angelis, A.M.; Pieri, M.; Equitani, F.; Rossi, V.; Valente, F., et al. Serum iPTH range in a reference population: From an integrated approach to vitamin D prevalence impact evaluation. *Clin Chim Acta* **2021**, *521*, 1-8, doi:10.1016/j.cca.2021.06.004.
6. De Stefano, A.; Caporali, S.; Di Daniele, N.; Rovella, V.; Cardillo, C.; Schinzari, F.; Minieri, M.; Pieri, M.; Candi, E.; Bernardini, S., et al. Anti-Inflammatory and Proliferative

Properties of Luteolin-7-O-Glucoside. *Int J Mol Sci* **2021**, *22*, 1-19, doi:10.3390/ijms22031321.
7. Caporali, S.; Didona, B.; Paradisi, M.; Mauriello, A.; Campione, E.; Falconi, M.; Iacovelli, F.; Minieri, M.; Pieri, M.; Bernardini, S., et al. Post Zygotic, Somatic, Deletion in KERATIN 1 V1 Domain Generates Structural Alteration of the K1/K10 Dimer, Producing a Monolateral Palmar Epidermolytic Nevus. *Int J Mol Sci* **2021**, *22*, doi:10.3390/ijms22136901.
8. Caporali, S.; Calabrese, C.; Minieri, M.; Pieri, M.; Tarantino, U.; Marini, M.; D'Ottavio, S.; Angeletti, S.; Mauriello, A.; Cortese, C., et al. The miR-133a, TPM4 and TAp63gamma Role in Myocyte Differentiation Microfilament Remodelling and Colon Cancer Progression. *Int J Mol Sci* **2021**, *22*, doi:10.3390/ijms22189818.
9. Campione, E.; Lanna, C.; Cosio, T.; Rosa, L.; Conte, M.P.; Iacovelli, F.; Romeo, A.; Falconi, M.; Del Vecchio, C.; Franchin, E., et al. Lactoferrin as Antiviral Treatment in COVID-19 Management: Preliminary Evidence. *Int J Environ Res Public Health* **2021**, *18*, doi:10.3390/ijerph182010985.
10. Campione, E.; Lanna, C.; Cosio, T.; Rosa, L.; Conte, M.P.; Iacovelli, F.; Romeo, A.; Falconi, M.; Del Vecchio, C.; Franchin, E., et al. Lactoferrin Against SARS-CoV-2: In Vitro and In Silico Evidences. *Front Pharmacol* **2021**, *12*, 666600, doi:10.3389/fphar.2021.666600.
11. Spoto, S.; Legramante, J.M.; Minieri, M.; Fogolari, M.; Terrinoni, A.; Valeriani, E.; Sebastiano, C.; Bernardini, S.; Ciccozzi, M.; Angeletti, P.S. How biomarkers can improve pneumonia diagnosis and prognosis: procalcitonin and mid-regional-pro-adrenomedullin. *Biomark Med* **2020**, *14*, 549-562, doi:10.2217/bmm-2019-0414.
12. Rapanotti, M.C.; Viguria, T.M.S.; Spallone, G.; Terrinoni, A.; Rossi, P.; Costanza, G.; Campione, E.; Lombardo, P.; Pathirannehalage, C.D.; Orlandi, A., et al. Minimal Residual Disease in Melanoma:molecular characterization of in transit cutaneous metastases and Circulating Melanoma Cells recognizes an expression panel potentially related to disease progression. *Cancer Treat Res Commun* **2020**, *25*, 100262, doi:10.1016/j.ctarc.2020.100262.
13. Perrone, M.A.; Viola, F.G.; Minieri, M.; Caporali, S.; Copponi, A.; Sancesario, G.; Angeletti, S.; Massoud, R.; Romeo, F.; Bernardini, S., et al. The Von Willebrand Factor Antigen Plasma Concentration: a Monitoring Marker in the Treatment of Aortic and Mitral Valve Diseases. *Folia Biol (Praha)* **2020**, *66*, 133-141.
14. Diluvio, L.; Caporali, S.; Lozzi, F.; Campione, E.; Mazzilli, S.; Lanna, C.; Bianchi, L.; Bernardini, S.; Minieri, M.; Mauriello, A., et al. Birt-Hogg-Dube syndrome, from non-invasive dermatologic assessment to gene testing, molecular and ultrastructural histologic analysis. *J Eur Acad Dermatol Venereol* **2020**, *34*, e206-e209, doi:10.1111/jdv.16168.
15. Ciotti, M.; Ciccozzi, M.; Terrinoni, A.; Jiang, W.C.; Wang, C.B.; Bernardini, S. The COVID-19 pandemic. *Crit Rev Clin Lab Sci* **2020**, *57*, 365-388, doi:10.1080/10408363.2020.1783198.
16. Terrinoni, A.; Palombo, R.; Pitolli, C.; Caporali, S.; De Berardinis, R.; Ciccarone, S.; Lanzillotta, A.; Mauramati, S.; Porta, G.; Minieri, M., et al. Role of the TAp63 Isoform in Recurrent Nasal Polyps. *Folia Biol (Praha)* **2019**, *65*, 170-180.
17. Terrinoni, A.; Calabrese, C.; Basso, D.; Aita, A.; Caporali, S.; Plebani, M.; Bernardini, S. The circulating miRNAs as diagnostic and prognostic markers. *Clin Chem Lab Med* **2019**, *57*, 932-953, doi:10.1515/cclm-2018-0838.
18. Spoto, S.; Fogolari, M.; De Florio, L.; Minieri, M.; Vicino, G.; Legramante, J.; Lia, M.S.; Terrinoni, A.; Caputo, D.; Costantino, S., et al. Procalcitonin and MR-proAdrenomedullin combination in the etiological diagnosis and prognosis of sepsis and septic shock. *Microb Pathog* **2019**, *137*, 103763, doi:10.1016/j.micpath.2019.103763.
19. Palombo, R.; Caporali, S.; Falconi, M.; Iacovelli, F.; Morozzo Della Rocca, B.; Lo Surdo, A.; Campione, E.; Candi, E.; Melino, G.; Bernardini, S., et al. Luteolin-7-O-beta-d-

Glucoside Inhibits Cellular Energy Production Interacting with HEK2 in Keratinocytes. *Int J Mol Sci* **2019**, *20*, doi:10.3390/ijms20112689.
20. Lozzi, F.; Lanna, C.; Mazzeo, M.; Garofalo, V.; Palumbo, V.; Mazzilli, S.; Diluvio, L.; Terrinoni, A.; Bianchi, L.; Campione, E. Investigational drugs currently in phase II clinical trials for actinic keratosis. *Expert Opin Investig Drugs* **2019**, *28*, 629-642, doi:10.1080/13543784.2019.1636030.
21. Terrinoni, A.; Didona, B.; Caporali, S.; Chillemi, G.; Lo Surdo, A.; Paradisi, M.; Annichiarico-Petruzzelli, M.; Candi, E.; Bernardini, S.; Melino, G. Role of the keratin 1 and keratin 10 tails in the pathogenesis of ichthyosis hystrix of Curth Macklin. *PLoS ONE* **2018**, *13*, e0195792, doi:10.1371/journal.pone.0195792.
22. Pitolli, C.; Pietroni, V.; Marekov, L.; Terrinoni, A.; Yamanishi, K.; Mazzanti, C.; Melino, G.; Candi, E. Characterization of TG2 and TG1-TG2 double knock-out mouse epidermis. *Amino Acids* **2017**, *49*, 635-642, doi:10.1007/s00726-016-2356-3.
23. Frezza, V.; Terrinoni, A.; Pitolli, C.; Mauriello, A.; Melino, G.; Candi, E. Transglutaminase 3 Protects against Photodamage. *J Invest Dermatol* **2017**, *137*, 1590-1594, doi:10.1016/j.jid.2017.02.982.
24. Palombo, R.; Savini, I.; Avigliano, L.; Madonna, S.; Cavani, A.; Albanesi, C.; Mauriello, A.; Melino, G.; Terrinoni, A. Luteolin-7-glucoside inhibits IL-22/STAT3 pathway, reducing proliferation, acanthosis, and inflammation in keratinocytes and in mouse psoriatic model. *Cell Death Dis* **2016**, *7*, e2344, doi:10.1038/cddis.2016.201.
25. Palombo, R.; Giannella, E.; Didona, B.; Annicchiarico-Petruzzelli, M.; Melino, G.; Terrinoni, A. Cutaneous mosaicism, in KRT1 pI479T patient, caused by the somatic loss of the wild-type allele, leads to the increase in local severity of the disease. *J Eur Acad Dermatol Venereol* **2016**, *30*, 847-851, doi:10.1111/jdv.13153.
26. Palombo, R.; Porta, G.; Bruno, E.; Provero, P.; Serra, V.; Neduri, K.; Viziano, A.; Alessandrini, M.; Micarelli, A.; Ottaviani, F., et al. OTX2 regulates the expression of TAp63 leading to macular and cochlear neuroepithelium development. *Aging (Albany NY)* **2015**, *7*, 928-936, doi:10.18632/aging.100839.
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