CURRICULUM VITAE ET STUDIORUM

Name TERRINONI ALESSANDRO
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Languages: Italian, English

Present position

Assistant professor of Medical Chemistry at Department of Experimental Medicine, Università di Roma "Tor Vergata", and Laboratory of Medical chemistry, Ospedale Policlinico Tor Vergata (PTV)

Biographical Sketch

Alessandro Terrinoni has been Biological Researcher in the IDI-IRCCS Biochemistry lab in Rome. 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 University of Dundee (Prof Irwin Mclean, Laboratory), University College of London (Prof Martin Raff Laboratory), MRC, Toxicology Unit, Leicester (Prof. Pierluigi Nicotera laboratory).
The scientific work is mainly based on cell death, in tumor and dermatological models, and genetic skin diseases He work on the p53 family and in particular on p63 and p73 , of which he identified the mechanism of cell death, the mechanisms of gene transactivation, the biochemical pathways of degradation, inhibitors of proteasomal degradation, the physiological regulatory mechanisms. He also identified the biochemical mechanisms of death of keratinocytes in the skin in vitro and in vivo, and the genetic molecular basis of a number of genetic diseases, including: UNILATERAL palmoplantar verrucous nevus (OMIM 144200), Marie Unna Hereditary Hypotrichosis (OMIM 146550). The current scientific inteerst is the studi of microRNA biology in normal physiologic and in pathologic conditions. Particularly on the identification of blood circulating miR's (c-miRNA) as molecular biomarkers of physical exercise and muscle differentiation.

Articles published 80
Total Impact Factor= 421

Selected Papers

1 **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.* 2013, 110, 7300-7305.

Proceedings of the National Academy of Sciences of the United States of America (9.737).

2 Tucci, P., Agostini, M., Grespi, F., Markert, E. K., **Terrinoni**, A., Vousden, K. H., Muller, P.

A., Dotsch, V., Kehrloesser, S., Sayan, B. S., Giaccone, G., Lowe, S. W., Takahashi, N., Vandenabeele, P., Knight, R. A., Levine, A. J. & Melino, G. *Loss of p63 and its microRNA-205 target results in enhanced cell migration and metastasis in prostate cancer.* 2012, 109, 15312-15317.

Proceedings of the National Academy of Sciences of the United States of America (9.737).

3 Amelio, I., Lena, A. M., Viticchie, G., Shalom-Feuerstein, R., **Terrinoni**, A., Dinsdale, D., Russo, G., Fortunato, C., Bonanno, E., Spagnoli, L. G., Aberdam, D., Knight, R. A., Candi, E. & Melino, G. *miR-24 triggers epidermal differentiation by controlling actin adhesion and cell migration.* 2012, 199, 347-363.

Journal of Cell Biology (10.822).

4 **Terrinoni**, A., Pagani, I. S., Zucchi, I., Chiaravalli, A. M., Serra, V., Rovera, F., Sirchia, S., Dionigi, G., Miozzo, M., Frattini, A., Ferrari, A., Capella, C., Pasquali, F., Curto, F. L., Albertini, A., Melino, G. & Porta, G. *OTX1 expression in breast cancer is regulated by p53.* 2011. 30, 3096–3103.

Oncogene (7.357).

5 Wen, Y., Liu, Y., Xu, Y., Zhao, Y., Hua, R., Wang, K., Sun, M., Li, Y., Yang, S., Zhang, X. J., Kruse, R., Cichon, S., Betz, R. C., Nothen, M. M., van Steensel, M. A., van Geel, M., Steijlen, P. M., Hohl, D., Huber,, A., Munro, C. S., **Terrinoni**, A., Hovnanian, A., Bodemer, C., de Prost, Y., Paller, A. S., Irvine, A. D., Sinclair, R., Green, J., Shang, D., Liu, Q., Luo, Y., Jiang, L., Chen, H. D., Lo, W. H., McLean, W. H., He, C. D. & Zhang, X. *Loss-of-function mutations of an inhibitory upstream ORF in the human hairless transcript cause Marie Unna hereditary hypotrichosis.* 2009, 41, 228-233.

Nat Genet (35.202).

6 Menghini, R., Casagrande, V., Cardellini, M., Martelli, E., **Terrinoni**, A., Amati, F., Vasa-Nicotera, M., Ippoliti, A., Novelli, G., Melino, G., Lauro, R. & Federici, M. *MicroRNA 217 modulates endothelial cell senescence via silent information regulator 1.* 2009, 120, 1524-1532.

Circulation (15.202).

7 Candi, E., Rufini, A., **Terrinoni**, A., Giamboi-Miraglia, A., Lena, A. M., Mantovani, R., Knight, R. & Melino, G. *DeltaNp63 regulates thymic development through enhanced expression of FgfR2 and Jag2.* 2007, 104, 11999-12004.

Proceedings of the National Academy of Sciences of the United States of America (9.737).

8 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.* 2007, 127, 2271-2273.

Journal of Investigative Dermatology (6.193).

9 Barcaroli, D., Bongiorno-Borbone, L., **Terrinoni**, A., Hofmann, T. G., Rossi, M., Knight, R. A., Matera, A. G., Melino, G. & De Laurenzi, V. *FLASH is required for histone transcription and S-*

phase progression. 2006, 103, 14808-14812.

Proceedings of the National Academy of Sciences of the United States of America (9.737).

10 Gressner, O., Schilling, T., Lorenz, K., Schulze Schleithoff, E., Koch, A., Schulze-Bergkamen, H., Lena, A. M., Candi, E., **Terrinoni**, A., Catani, M. V., Oren, M., Melino, G., Krammer, P. H., Stremmel, W. & Muller, M. *TAp63alpha induces apoptosis by activating signaling via death receptors and mitochondria.* 2005, 24, 2458-2471.

EMBO Journal (9.822).

11 **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.* 2004, 23, 3721-3725.

Oncogene (7.357).

12 De Laurenzi, V., Costanzo, A., Barcaroli, D., **Terrinoni**, A., Falco, M., Annicchiarico-Petruzzelli, M., Levrero, M. & Melino, G. *Two new p73 splice variants, gamma and delta, with different transcriptional activity.* 1998, 188, 1763-1768.

Journal of Experimental Medicine (13.214).