

**BIOGRAPHICAL SKETCH**Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. **DO NOT EXCEED 4 PAGES.**

NAME	INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
<b>MELINO, Gennaro Gerry</b>				Full Professor
	University of Rome "La Sapienza" (Italy)	M.D.	1972-1978	Medicine & Surgery
	University of Rome "La Sapienza" (Italy)	pediatrician	1978-1981	Specialization in Pediatrics
	University of London (UK)	Ph.D.	1979-1984	Pediatric Oncology
	University of Rome "La Sapienza" (Italy)	oncologist	1983-1985	Specialization in Oncology
	Saint Petersburg Institute Technology (Russia)	Dr.Sc. hc	2012	BioTechnology, Hon Causa

**A. Positions and Honors.**

**1972 to 1979** Biochemistry Institute of Rome University. Research student. During that time has worked twice in UK (1.9.76-15.12.76 and 30.11.77-15.1.78) at the Biochemistry Dept., Lancaster University, UK.

**1979 to 1986** Chemical Pathology Dept, Charing Cross-Westminster Medical School, University London, UK. (i) 1.11.79-1.3.83 Research Fellow, Hon Senior Registrar. (ii) 1.3.83-1.11.85 Lecturer in Clinical Immunology (Hon. Senior Registrar). (iii) 1.11.85-31.12.86 Senior Lecturer, Hon Consultant in Chemical Immunology, Deputy-director of department.

**1987 to 1994** Research Fellow in Biochemistry (1987-1994), Experimental Medicine & Biochemistry Dept., University of Rome Tor Vergata, Italy. Locum Professor of Biochemistry (1991-1994), Biology Faculty, University of L'Aquila, Italy.

**1994 to 1998** Full Professor of Biochemistry (1991-1998), Biology Faculty, University of L'Aquila, Italy.

**1998 to PRESENT** Professor of Molecular Biology, Faculty of Medicine, University of Rome 'Tor Vergata', Italy. (2008-2015, Director of the Department -200 members, including 20 full & 50 associate professors)

**2010 (Jan-Dec)** Scientific Director, European Brain Research Institute "R. Levi-Montalcini", Rome, Italy.

**2011 to 2015** Professor of Molecular Pharmacology, St. Petersburg Institute of Technology, St Petersburg, Russia.

**2012 (Jan-Dec)** Professor of Molecular Biology, VIB, University of Ghent, Belgium.

**BOARDS:** 2003-10, Science Foundation Ireland. 2006-09, UK-China Governmental delegation Beijing, China. 2005-09 Scientific Board of National Research Council (CNR), Italy. **EDITORIAL BOARDS:** 2003-pres Cell Cycle; 2004-pres Cancer Biol & Therapy; 2003-pres Molecular Neurobiology; 2011-pres Biochem J; 2009-pres Oncogene. **EDITOR-IN-CHIEF:** 1994-pres Cell Death Differ ([www.nature.com/cdd](http://www.nature.com/cdd)), impact Factor 8.50 (*Founder & Chief*); 2010-pres Cell Death & Disease ([www.nature.com/cddis](http://www.nature.com/cddis)), impact factor 5.10 (*Founder & CEO*); 2015-pres Cell Death Discovery ([www.nature.com/cddiscovery](http://www.nature.com/cddiscovery)), (*Founder & Chief*). **ORGANIZERS:** 8-10/10/2007, Nature-Conference "Cancer Therapeutics", Capri (Italy); 14-16/10/2007, Nature-Conference "Translation in Cardiovascular Research", Capri (Italy); 18-20/5/2009 Nature-Conference "Neurodegeneration; 100<sup>th</sup> birthday R. Levi-Montalcini", Rome (Italy); 14-18/3/2011, EMBO-Workshop "Death in the Alps", Innsbruck, Austria. **HONOR:** 2009 Feltrinelli Prize by Academia Lincei (founded 1602) presented by President of Italy. 2010 Antonini Prize, Italian Society Biochemistry. 2012 Doctor Science Honorary Degree, Saint Petersburg Institute Technology, Russia. 2013 Neuroscience Chancellor's Award. Louisiana State University, USA. 2014 Hon Professor & Advisory at Shanghai Jiao Tong University, School of Medicine, China.

**CITES:** (Google Scholar) 31096 citations, **H-index**= 82 (ISI-Thomson: 22016 cites, 69 H-index).

**B. Selected peer-reviewed publications (in chronological order).**

100. *Melino G*, Bernasola F, Knight R, Nistico G, Finazzi A. S-nitrosylation regulates apoptosis. **Nature**. 1997. 388:432-3.
113. 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. **J Exp Med**. 1998. 188: 1763-1768.
118. Gong JG, Costanzo A, Yang HQ, *Melino G*, Kaelin WG, Levrero M, Wang JYJ. Regulation of the p53 homolog p73 by c-Abl tyrosine kinase in cell death response to cisplatin. **Nature**. 1999. 399: 806-809.
146. De Laurenzi V, *Melino G*. The little devil of death. **Nature**. 2000. 406: 135-136.
155. *Melino G*. The Syren's song (Concept: apoptosis). **Nature**. 2001. 412:23.
173. *Melino G*, De Laurenzi V, Vousden KH p73 and cancer. **Nature Review Cancer**. 2002. 2: 605-615
185. *Melino G*. A thirst for knowledge: Gerry Melino. (lifelines) **Nature**. 2003. 421: 697.
185. Szondy Z, Piacentini M, Aeschlimann D, Kovacs J, Kiss I, Birckbichler PJ, *Melino G* and Fésüs L. TG2 -/- mice reveal a phagocytosis-associated crosstalk between macrophages and apoptosis. **PNAS-USA**. 2003. 100:7812-7.
199. Aqueilan E, Pekarsky Y, Herrero J, Palamarchuk A, Letofsky J, Trapasso F, Han S, *Melino G*, Croce CM. Functional association between Wwox tumor suppressor protein and p73, a p53 homolog. **PNAS-USA**. 2004. 101,13:4401-4406.
200. *Melino G*, Lu X, Gasco M, Crook T, Knight R. Functional regulation of p63/p73. **TIBS**. 2003. 28,12:663-70.
211. Bernasola F, Salomoni P, Oberst A, Di Como CJ, Pagano M, *Melino G*, Pandolfi PP. Ubiquitin-dependent degradation of p73 is inhibited by PML. **J Exp Med**. 2004. 199 (11): 1545-57.

216. Rossi M, De Laurenzi V, Munarriz E, Green DR, Liu Y-C, Vousden KH, Cesareni G, *Melino G*. The ubiquitin-protein ligase Itch regulates p73 stability. **EMBO Journal**. 2005. 24 (4): 836-848.
217. Candi E, Schmidt R, *Melino G*. Cornified envelope: skin cell death model. **Nature Rev Mol Cell Biol**. 2005. 6:328-40.
220. Gressner O, Schilling T, Candi E, Oren M, *Melino G*, Krammer PH, Stremmel W, Mueller M. TAp63 induces apoptosis by activating signaling via death receptors and mitochondria. **EMBO J**. 2005. 24(13):2458-71.
242. Viganó M, Lamartine J, Testoni B, Merico D, Alotto D, Castagnola C, Robert A, Candi E, *Melino G*, Gidrol X, Mantovani R. New p63 targets in keratinocytes identified by genome-wide approach. **EMBO J**. 2006. 25,21:5105-16.
243. Rossi M, ...*Melino G*. The E3 Ub ITCH controls the protein stability of p63. **PNAS-USA**. 2006.103, 34: 12753-58.
244. Barcaroli D, Dinsdale D, Neale MH, Buongiorno-Borbone L, Sayan AE, McWilliam J, Smith TM, Fava E, Knight RA, *Melino G*, De Laurenzi V. FLASH is an essential component of the Cajal bodies. **PNAS-USA**. 2006. 103,40:14802-7.
245. Barcaroli D, Buongiorno-Borbon L, Terrinoni A, Hofmann T, Rossi M, Knight RA, Matera AG, *Melino G*, De Laurenzi V. FLASH is required for histone transcription and S-phase progression. **PNAS-USA**. 2006. 103, 40: 14808-12.
262. Candi E, Rufini A, Terrinoni A, Giamboi-Miraglia A, Lena AM, Mantovani R, Knight RA, *Melino G*. ΔNp63 regulates thymic development through enhanced expression of FgfR2 and Jag2. **PNAS-USA**. 2007. 104,29: 11999-12004.
263. Sayan BS, Sayan AE, Yang AL, Aqueilan RI, Candi E, Cohen GM, Knight RA, Croce CM, *Melino G*. Cleavage of the transcription-inhibitory domain of p63 by caspases enhances apoptosis. **PNAS-USA**. 2007. 104,26: 10871-76.
264. Oberst A, Malatesta M, Murillas R, Sharma P, Kuehn MR, Oren M, Croce CM, Bernassola F, *Melino G*. The Nedd4 Binding Partner 1 (N4BP1) protein is an inhibitor of the E3 ligase Itch. **PNAS-USA**. 2007. 104, 27: 11280-11285.
282. Bernassola F, Karin M, Ciechanover A, *Melino G*. The HECT family of E3 ubiquitin ligases: multiple players in cancer development. **Cancer Cell**. 2008. 14 10-21.
283. Tomasini R, Tsuchihara K, Wilhelm M, Rufini A, Kaplan D, *Melino G*, Jurisicova A, Mak TW. TAp73 knockout shows genomic instability with infertility and tumor suppressor functions. **Genes & Development**. 2008. 22, 19: 2677-91.
284. M Sundvall, A Korhonen, I Patero, E Gaudio, *G Melino*, CM Croce, R Aqueilan, K Elenius. Isoform-specific monoubiquitination, endocytosis, degradation of alternatively spliced ErbB4 isoforms. **PNAS-USA**. 105(11):4162-7.
285. Tomasini R, Mak TW, *Melino G*. The p53 family, aneuploidy and cancer. **Trends Cell Biology**. 2008. 18,5: 244-252.
286. Aberdam D, Candi E, *Melino G*. miRNAs, “stemness” and skin. **Trends in Biochemical Sciences**. 2008. 33: 583-91.
305. Tomasini R, Tsuchihara K, Tsuda C, Lau SK, Wilhelm M, Rufini A, Tsao MS, ..., *Melino G*, Mak TW. TAp73 regulates the Spindle Assembly Checkpoint by modulating BubR1 activity. **PNAS-USA**. 2009. 106(3): 797-802.
318. Gonfloni S, Di Tella L, Caldarola S, Mattei M, Candi E, De Felici M, *Melino G*, Cesareni G. Inhibition of the c-Abl-TAp63 pathway protects mouse oocytes from chemotherapy-induced death. **Nature Medicine**. 2009. 15(10):1179-85.
331. Dulloo I, Gopalan G, *Melino G*, Sabapathy S. The DeltaNp73 oncogene is degraded in a c-Jun-dependent manner upon genotoxic stress through the antizyme-mediated pathway. **PNAS-USA**. 2010. 107(11):4902-7.
341. Wilhelm MT, Rufini A, Wetzell MK, Tsuchihara K, Inoue S, Tomasini R, Itie-Youten A, Wakeham A, Arsenian-Henriksson M, *Melino G*, Kaplan DR, Miller FD, Mak TW. Isoform-specific p73 knockout mice reveal a novel role for delta Np73 in the DNA damage response pathway. **Genes & Development**. 2010; 24(6):549-60.
346. Sayan BS, Agostini M, Chen A-L, Tucci P, Bernardini S, Knight RA, *Melino G*. Differential control of TAp73 and DeltaNp73 protein stability by the ring finger ubiquitin ligase PIR2. **PNAS-USA**. 2010. 107(29): 12877-82.
349. *Melino G*. A cancer biologist weighs up p53, metabolism and cancer (Journal Club). **Nature**. 2010. 466: 905.
359. Levine AJ, Tomasini R, McKeon FD, Mak TW, *Melino G*. The p53 family: guardians of maternal reproduction. **Nature Review Mol Cell Biol**. 2011. 12(4): 259-65.
360. Boase NA, et al. Respiratory distress and lethality in Nedd4-2-deficient mice. **Nature Communications**. 2011;2:287.
365. Notari M, Hu Y, Koch S, Lu M, ..., Candi E, Melino G, Lu X. Inhibitor of apoptosis-stimulating protein of p53 (IASPP) prevents senescence and is required for epithelial stratification. **PNAS-USA**. 2011 Oct 4;108(40):16645-50.
368. Agostini M, Tucci P, Killick R, ....., McKeon F, Knight RA, Mak TW, Melino G. Neuronal differentiation by TAp73 is mediated by microRNA-34a regulation of synaptic protein targets. **PNAS-USA**. 2011 Dec 27;108(52):21093-8.
369. Agostini M, Tucci P, ..., Ventura A, Concepcion CP, Han YC, Candi E, Knight RA, Mak TW, Melino G. microRNA-34a regulates neurite outgrowth, spinal morphology, and function. **PNAS-USA**. 2011 Dec 27;108(52):21099-104.
372. Rivetti di Val Cervo P, Lena AM, Nicoloso M, Rossi S, Mancini M, Zhou H, Saintigny G, Dellambra E, Calin GA, Candi E, *Melino G*. p63-microRNA feedback in keratinocyte senescence. **PNAS-USA**. 2012; 109(4):1133-8.
401. Amelio I, Lena AM, Viticchiè G, Shalom-Feuerstein R, Terrinoni A, Dinsdale D, Russo GD, Fortunato C, Bonanno E, Spagnoli LG, Aberdam D, Knight RA, Candi E and *Melino G*. A microRNA triggers epidermal differentiation by controlling actin cable dynamics, intercellular adhesion and cell migration. **J Cell Biol**. 2012. 199,2: 347-363.
402. Tucci P, Agostini M, Crespi F, Terrinoni A, Vousden K, Lowe S, Levine AJ, Knight RA, *Melino G*. Loss of p63 and its miR-205 target results in enhanced cell migration and metastasis in prostate cancer. **PNAS-USA**. 2012; 109:15312-7.
405. Rufini A, Niklison MV, Inoue S, Tomasini R, Harris I, Federici M, Dinsdale D, Knight RA, *Melino G* [corresp], Mak TW. TAp73 depletion accelerates aging through metabolic dysregulation. **Genes & Development**. 2012. 26:2009-14.
425. Terrinoni A, et al. Role of p63 and the Notch pathway in cochlea development. **PNAS-USA**. 2013. 110(18):7300-5.
434. Rotblat B, et al. HACE1 reduces oxidative stress and mutant Huntingtin toxicity. **PNAS-USA**. 2014. 111(8):3032-7