

Dr. Marco Crescenzi

CURRICULUM VITAE

Nato a Roma il 12/4/1958.

Laureato in Medicina e Chirurgia il 21/10/1983 con 110/110 e lode, Università "La Sapienza", Roma.

CF CRSMRC58D12H501G

Dottorato di Ricerca in Fisiopatologia pediatrica conseguito nel giugno 1991.

ATTIVITÀ ED INTERESSI SCIENTIFICI

- 1983 - 86 Dapprima studente interno, poi medico volontario presso la Cattedra di Allergologia e Immunologia Clinica dell'Università di Roma "La Sapienza" diretta da F. Aiuti.
Attività clinica (ambulatorio e corsia):
Immunodeficienze primitive e secondarie, malattie autoimmuni, neoplasie ematologiche, medicina interna, gastroenterologia.
Attività di ricerca:
Eziologia e patogenesi dell'ataxia-telangiectasia.
Patogenesi e trattamento delle immunodeficienze primitive.
Leucemie linfatiche croniche.
- 1987 Guest Researcher presso il laboratorio di S. J. Korsmeyer allo Howard Hughes Medical Institute, Washington University School of Medicine, St. Louis, U.S.A.
Attività di ricerca:
Diagnosi ad elevata sensibilità di linfomi.
Traslocazioni cromosomiche.
Reazione a catena della polimerasi (PCR).
- 1988 - 90 Visiting Fellow presso il Laboratory of Molecular and Cellular Biology diretto da S. A. Aaronson al National Cancer Institute, Bethesda, U.S.A.
L'attività svolta durante questo periodo è stata riconosciuta ai fini della legge 20/3/75 n. 70. Inoltre il lavoro svolto è stato dichiarato equiparato a quello di assistente di oncologia in istituto di ricovero e cura a carattere scientifico, per il periodo 9/5/88 - 4/11/90.
Attività di ricerca:
Studio dell'effetto antiproliferativo di geni coinvolti nell'induzione del differenziamento muscolare (MyoD).
Costruzione di vettori per clonazione ed espressione genica da utilizzare per lo screening funzionale di librerie di cDNA.

- 1991 - 94 Laboratorio di F. Tatò presso il Dipartimento di Biologia Cellulare e dello Sviluppo dell'Università degli Studi "La Sapienza" di Roma.
Attività di ricerca:
 Riattivazione del ciclo cellulare in cellule terminalmente differenziate.
 Interferenza fra trasformazione cellulare indotta da oncogeni e programmi differenziativi.
 Analisi di promotori di geni muscolo-specifici.
- 1994 - 97 Consulente presso gli I.F.O. (Istituto Tumori Regina Elena)
Attività di ricerca:
 Riattivazione del ciclo cellulare in cellule terminalmente differenziate mediante infezione con adenovirus naturali e ricombinanti.
 Produzione e sperimentazione di vettori retrovirali per la trasduzione di p53 in cellule tumorali.
 Terapia genica dei tumori.
 Messa a punto e sviluppo di metodologie per la creazione di adenovirus ricombinanti.
- 1997-2021 Primo Ricercatore presso l'Istituto Superiore di Sanità, Dipartimento Ambiente e connessa Prevenzione Primaria, poi Dipartimento di Biologia Cellulare e Neuroscienze, poi Servizio Grandi Strumentazioni e Core Facilities
Attività di ricerca:
 Riattivazione del ciclo cellulare nel differenziamento terminale ed in altri stati di non proliferazione; applicazioni alla medicina rigenerativa in vitro e in vivo.
 Studi in vivo sulla relazione fra difetti della riparazione del DNA, cancerogenesi chimica e risposta a farmaci antitumorali.
 Spettrometria di massa e proteomica applicata.
 Ricerca metagenomica di nuovi agenti eziologici infettivi in tumori umani
- dal 2021 Dirigente di Ricerca presso l'Istituto Superiore di Sanità, Servizio Grandi Strumentazioni e Core Facilities

ATTIVITÀ DIDATTICA

- 2006 - 11 Professore a contratto, Corso di Oncologia per la Laurea specialistica in Biologia ed evoluzione umana, Facoltà di Scienze MM. FF. NN., Università di Tor Vergata, Roma.
- 2006 - 11 Docente del Master di I livello "Le scienze della vita nel giornalismo e nei rapporti politico-istituzionali".
- 2014 - 23 Professore a contratto, corso "Metodologia della ricerca scientifica" per la Laurea magistrale in Biologia cellulare e molecolare e Scienze biomediche, Macroarea di Scienze MM. FF. NN., Università di Tor Vergata, Roma.

- 2017 - 22 Docente, corso "Il metodo scientifico ed applicazioni in biologia" per la Laurea magistrale in Biologia e Tecnologie Cellulari, Facoltà di Scienze MM. FF. NN., Università Sapienza, Roma.
- 2023 – 25 Professore a contratto, corso “Metodologia della ricerca scientifica” per la Laurea triennale in Scienze Biologiche, Macroarea di Scienze MM. FF. NN., Università di Tor Vergata, Roma.

TESTI DIVULGATIVI E DIDATTICI

- 2015 Cosa rimarrà – Testo di divulgazione scientifica in chiave di racconto – Amazon
- 2016 Metodologia della ricerca scientifica per la biologia cellulare e molecolare – Libro di testo – Amazon
- 2017 Metodologia della ricerca scientifica per la biologia cellulare e molecolare (2° edizione) – Amazon
- 2024 Più in alto degli dèi – L’ingegneria genetica dell’uomo prossimo venturo – Mondadori Oscar Accademia –

RICONOSCIMENTI

- 1987 Borsa di studio per l’estero (un anno) dell’Associazione Italiana per la Ricerca sul Cancro.
- 1988 - 90 Fogarty International Fellowship (tre anni) presso i National Institutes of Health, Bethesda, USA.
- 1991 - 93 Borsa di studio postdottorato in Biologia Evoluzionistica (due anni) presso l’Università "La Sapienza", Roma.
- 2010 - 16 Direzione del reparto Biomarcatori nelle malattie degenerative, Istituto Superiore di Sanità, Roma.
- 2017 - 25 Direzione del Servizio Grandi strumentazioni e Core facilities, Istituto Superiore di Sanità, Roma.
- 2017 - Membro dell’Accademia Medica di Roma
- 2025 Vincitore del premio Asimov 2025 per l’editoria scientifica con “Più in alto degli dèi”.

Dr. Marco Crescenzi - Pubblicazioni

1. Tonietti, G, Mercalli, ME, Crescenzi, M, and Perricone, R (1982). Fumo di sigaretta e risposta immune. *Progr Med* **38**: 649-652.
2. Tonietti, G, Crescenzi, M, and Pavan, A (1983). Recenti acquisizioni sugli effetti collaterali della terapia immunosoppressiva. *Folia Allergol Immunol Clin* **30**: 124-137.
3. Aiuti, F, Bonomo, R, Russo, G, and Crescenzi, M (1984). Treatment of congenital immunodeficiency with transplantation or thymic hormones. *EOS* **4**: 97-98.
4. Bonomo, G, Crescenzi, M, Bonomo, R, and Mezzaroma, I (1984). Impiego di terreni sintetici (senza siero) nelle colture cellulari. *Immunol Clin sper* **3**: 305-310.
5. Crescenzi, M, Carbonari, M, Bonomo, R, Ensoli, B, Soddu, S, and Cafaro, A (1984). Esperienza clinica con gammaglobuline endovena (Endobulin). *Quad Med Chir* **67**: 151-153.
6. Fiorilli, M, Russo, G, Crescenzi, M, Papetti, C, Carbonari, M, Bonomo, G, and Paganelli, R (1984). Hypogammaglobulinemia with hyper-IgM, severe T-cell defect and abnormal recirculation of OKT4 lymphocytes. In: Griscelli, C and J Vossen (eds). *Progress in immunodeficiency Research and Therapy I*. Elsevier Science. pp 207-209.
7. Tonietti, G, Crescenzi, M, Giacomelli, R, and Squarcia, O (1984). Neoplasie e sistema immune. *Fed Med* **37**: 197-204.
8. Aiuti, F, Mezzaroma, I, Cherchi, M, Crescenzi, M, Cafaro, A, Ensoli, B, and Le Moli, S (1985). Molecular Basis of Pathogenesis and Treatment of Primary T Cell Immunodeficiencies. In: Miescher, PA, L Bolis and M Ghione (eds). *Immunopharmacology*, vol. 23. Sero Symposia Publications from Raven Press: New York. pp 161-169.
9. Cafaro, A, Napolitano, M, Crescenzi, M, Luciani, M, Chistolini, A, Cherchi, M, and Pandolfi, F (1985). Immunità cellulare e anticorpi anti HTLV-III in emofilici senza AIDS. *Clot Hematol Malig* **2**: 62-66.
10. Crescenzi, M, Carbonari, M, Mezzaroma, I, Napolitano, M, Soddu, S, and Aiuti, F (1985). Sperimentazione clinica e caratterizzazione biochimica di varie preparazioni di gammaglobuline per uso endovenoso. *Therapeutika* **2**: 83-87.
11. Crescenzi, M, Pulciani, S, Carbonari, M, Tedesco, L, Russo, G, Gaetano, C, and Fiorilli, M (1985). DNA-Mediated Gene Transfer into Ataxia-Telangiectasia Cells. In: Aiuti, F, F Rosen and MD Cooper (eds). *Recent Advances in Primary and Acquired Immunodeficiencies*, vol. 28. Sero Symposia Publications from Raven Press: New York. pp 195-201.
12. Fiorilli, M, Antonelli, A, Russo, G, Crescenzi, M, Carbonari, M, and Petrinelli, P (1985). Variant of Ataxia-Telangiectasia with Low-Level Radiosensitivity. *Hum Genet* **70**: 274-277.
13. Fiorilli, M, Carbonari, M, Crescenzi, M, Ensoli, B, Gaetano, C, and Russo, G (1985). Analisi funzionale in vitro delle popolazioni linfocitarie. *Atti del XVII congresso della Società Italiana di Allergologia ed Immunologia Clinica*. O.I.C. Medical Press: Milan. pp 107-111.
14. Fiorilli, M, Carbonari, M, Crescenzi, M, Russo, G, and Aiuti, F (1985). T-cell receptor

genes and ataxia telangiectasia. *Nature* **313**: 186.

15. Fiorilli, M, Crescenzi, M, and Aiuti, F (1985). Thymic Hormone Therapy of Viral Infections. *EOS* **5**: 72-73.
16. Fiorilli, M, Crescenzi, M, Carbonari, M, Russo, G, Businco, L, and Aiuti, F (1985). Cellular and Molecular Studies on Ataxia-Telangiectasia Lymphoblastoid Cell Lines. In: Gatti, RA and M Swift (eds). *Ataxia-Telangiectasia: Genetics, Neuropathology, and Immunology of a Degenerative Disease of Childhood*. Alan R. Liss: New York. pp 301-308.
17. Fiorilli, M, Russo, G, Crescenzi, M, Carbonari, M, Gaetano, C, Zani, M, and Manzari, V (1985). Protein Synthesis and Oncogene Expression in Ataxia Telangiectasia Lymphoblastoid Cell Lines. *Immunol Clin sper* **4**: 261-267.
18. Petrinelli, P, Proietti, M, Carbonari, M, Crescenzi, M, Russo, G, and Antonelli, A (1985). Ataxia telangiectasia variants detected through cytogenetic analysis. *Perspectives in Inherited Metabolic Diseases*, vol. 6. Edi.Ermes: Milan. pp 313-315.
19. Bonomo, R, Mezzaroma, I, Crescenzi, M, Scarpati, B, D'Offizi, G, Cherchi, M, Fiorilli, M, and Luzi, G (1986). Esperienze cliniche ed immunologiche con immunoglobuline a molecola intera per via endovenosa in pazienti affetti da deficit primitivo dell'immunità umorale. *EOS* **6**: 145-151.
20. Fiorilli, M, Carbonari, M, Crescenzi, M, Gaetano, C, and Russo, G (1986). Terapia con ormoni timici delle sindromi da deficit primitivo della immunità cellulo-mediata. *Farmaci (Suppl)* **2**: 8-10.
21. Fiorilli, M, Crescenzi, M, Carbonari, M, Tedesco, L, Russo, G, Gaetano, C, and Aiuti, F (1986). Phenotypically Immature IgG-Bearing B Cells in Patients with Hypogammaglobulinemia. *J Clin Immunol* **6**: 21-25.
22. Fiorilli, M, Russo, G, Paganelli, R, Papetti, C, Carbonari, M, Crescenzi, M, Calvani, M, Quinti, I, and Aiuti, F (1986). Hypogammaglobulinemia with hyper-IgM, severe T-cell defect and abnormal recirculation of OKT4 lymphocytes in a girl with chronic lymphadenopathy. *Clin Immunol Immunopathol* **38**: 256-264.
23. Pandolfi, F, Cafaro, A, Crescenzi, M, and Fiorilli, M (1986). Surface Markers of Human Lymphocytes in Leukemias and Primary Immunodeficiencies. *Immunol Clin Sper* **5**: 47-51.
24. Russo, G, Carbonari, M, Crescenzi, M, Scano, G, Scarpati, B, Fiorilli, M, and Aiuti, F (1986). Immature B Cells in Primary Hypogammaglobulinemia. In: Eibl, MM and FS Rosen (eds). *Primary Immunodeficiency Diseases*. Elsevier Science. pp 113-117.
25. Aiuti, F, Crescenzi, M, Paganelli, R, D'Offizi, G, Papetti, C, and Fiorilli, M (1987). Developmental immunodeficiencies. In: Good, RA and E Lindenlaub (eds). *The nature, cellular, and biochemical basis and management of immunodeficiencies*. F. K. Schattauer Verlag: Stuttgart - New York. pp 23-33.
26. Aiuti, F, Paganelli, R, Ensoli, B, Crescenzi, M, Carbonari, M, and Fiorilli, M (1987). T-cell development and function: relationship to immunodeficiencies. In: Burgio, Hanson and Ugazio (eds). *Immunology of the neonate*. Springer-Verlag: Berlin - Heidelberg. pp 94-99.
27. Avella, A, Crescenzi, M, and Fiorilli, M (1988). Note diagnostiche e terapeutiche su un caso di ipogammaglobulinemia comune variabile. *Ann Ital Med Int* **3**: 137-140.

28. Crescenzi, M, Napolitano, M, Carbonari, M, Antonelli, A, Petrinelli, P, Gaetano, C, and Fiorilli, M (1988). Establishment of a new Epstein-Barr virus-immortalized cell line from chronic lymphocytic leukemia with trisomy of chromosome 12 that produces monoclonal IgM against a sheep RBC antigen. *Blood* **71**: 9-12.
29. Crescenzi, M, Seto, M, Herzig, GP, Weiss, PD, Griffith, RC, and Korsmeyer, SJ (1988). Thermostable DNA Polymerase Chain Amplification of t(14;18) Chromosome Breakpoints and Detection of Minimal Residual Disease. *Proc Natl Acad Sci USA* **85**: 4869-4873.
30. Fiorilli, M, Crescenzi, M, Gaetano, C, Giannini, G, and Russo, G (1988). Immunomodulació amb hormones timiques. *Ann Med (Barc)* **74**: 267-268.
31. Fiorilli, M, Crescenzi, M, Gaetano, C, Giannini, G, and Russo, G (1988). Immunomodulazione con ormoni timici. In: Balbo, G and EC Farina (eds). *Chirurgia e immunità*. Masson: Milan. pp 131-135.
32. Crescenzi, M (1990). B-cell lymphoma: t(14;18) chromosome rearrangement. In: Innis, MA, DH Gelfand, JJ Sninsky and TJ White (eds). *PCR protocols: a guide to methods and applications*. Academic Press: New York. pp 392-398.
33. Crescenzi, M, Fleming, TP, Lassar, AB, Weintraub, H, and Aaronson, SA (1990). MyoD induces growth arrest independent of differentiation in normal and transformed cells. *Proc Natl Acad Sci USA* **87**: 8442-8446.
34. Miki, T, Fleming, TP, Crescenzi, M, Molloy, CJ, Blam, SB, Reynolds, SH, and Aaronson, SA (1991). Development of a highly efficient expression cDNA cloning system: Application to oncogene isolation. *Proc Natl Acad Sci USA* **88**: 5167-5171.
35. Pontecorvi, A, Mariani-Costantini, R, Rossi, P, Crescenzi, M, and Frati, L (1991). Recombinant DNA technology in disease diagnosis. *Encyclopedia of Human Biology*, vol. 6. Academic Press: New York. pp 523-531.
36. Marti, GE, Zenger, V, Brown, M, Marti, DM, Melo, JV, Crescenzi, M, Dadey, B, Han, T, Bertin, P, Caporaso, NE, and Noguchi, P (1992). Antigenic expression of B-cell chronic lymphocytic leukemic cell lines. *Leuk Lymphoma* **7**: 497-504.
37. Crescenzi, M, Crouch, D, and Tatò, F (1993). Effects of myc expression on mouse myoblasts are reversed in mixed culture with normal cells. In: Rifkind, RA (ed). *The pharmacology of cell differentiation*. Elsevier Science Publishers: Amsterdam. pp 157-166.
38. Crescenzi, M, Crouch, DH, and Tatò, F (1994). Transformation by *myc* prevents fusion but not biochemical differentiation of C2C12 myoblasts: mechanisms of phenotypic correction in mixed culture with normal cells. *J Cell Biol* **125**: 1137-1145.
39. Blandino, G, Scardigli, R, Rizzo, MG, Crescenzi, M, Soddu, S, and Sacchi, A (1995). Wild-type p53 modulates apoptosis of normal, IL-3 deprived, hematopoietic cells. *Oncogene* **10**: 731-737.
40. Crescenzi, M, Soddu, S, Sacchi, A, and Tatò, F (1995). Adenovirus infection induces reentry into the cell cycle of terminally differentiated skeletal muscle cells. *Ann N Y Acad Sci* **752**: 9-18.
41. Crescenzi, M, Soddu, S, and Tatò, F (1995). Mitotic cycle reactivation in terminally differentiated cells by adenovirus infection. *J Cell Physiol* **162**: 26-35.

42. Farina, A, Gaetano, C, Crescenzi, M, Puccini, F, Manni, I, Sacchi, A, and Piaggio, G (1996). The inhibition of cyclin B1 gene transcription in quiescent NIH3T3 cells is mediated by an E-box. *Oncogene* **13**: 1287-1296.
43. Scardigli, R, Soddu, S, Falcioni, R, Crescenzi, M, Cimino, L, and Sacchi, A (1996). The beta 4 integrin subunit is expressed in mouse fibroblasts and modulated by transforming growth factor-beta 1. *Exp Cell Res* **227**: 223-229.
44. Soddu, S, Blandino, G, Scardigli, R, Martinelli, R, Rizzo, MG, Crescenzi, M, and Sacchi, A (1996). Wild-type p53 induces diverse effects in 32D cells expressing different oncogenes. *Mol Cell Biol* **16**: 487-495.
45. Soddu, S, Blandino, G, Scardigli, R, Rizzo, MG, Coen, S, Bossi, G, Crescenzi, M, and Sacchi, A (1996). Interference with p53 protein inhibits hematopoietic and muscle differentiation. *J Cell Biol* **134**: 193-204.
46. Tiainen, M, Pajalunga, D, Ferrantelli, F, Soddu, S, Salvatori, G, Sacchi, A, and Crescenzi, M (1996). Terminally differentiated skeletal myotubes are not confined in G₀, but can enter G₁ upon growth factor stimulation. *Cell Growth Diff* **7**: 1039-1050.
47. Tiainen, M, Spitkovsky, D, Jansen-Dürr, P, Sacchi, A, and Crescenzi, M (1996). Expression of E1A in terminally differentiated muscle cells reactivates the cell cycle and suppresses tissue-specific genes by separable mechanisms. *Mol Cell Biol* **16**: 5302-5312.
48. Falcioni, R, Antonini, A, Nisticò, P, Di Stefano, S, Crescenzi, M, Natali, PG, and Sacchi, A (1997). $\alpha 6 \beta 4$ and $\alpha 6 \beta 1$ integrins associate with ErbB-2 in human carcinoma cell lines. *Exp Cell Res* **236**: 76-85.
49. Martinelli, R, Blandino, G, Scardigli, R, Crescenzi, M, Lombardi, D, Sacchi, A, and Soddu, S (1997). Oncogenes belonging to the CSF-1 transduction pathway direct p53 tumor suppressor effects to monocytic differentiation in 32D cells. *Oncogene* **15**: 607-611.
50. Moretti, F, Farsetti, A, Soddu, S, Misiti, S, Crescenzi, M, Filetti, S, and Andreoli, M (1997). p53 re-expression inhibits proliferation and restores differentiation of human thyroid anaplastic carcinoma cells. *Oncogene* **14**: 729-740.
51. Scardigli, R, Bossi, G, Blandino, G, Crescenzi, M, Soddu, S, and Sacchi, A (1997). Expression of exogenous wt-p53 does not affect normal hematopoiesis: implications for bone marrow purging. *Gene Therapy* **4**: 1371-1378.
52. Lattanzi, L, Salvatori, G, Coletta, M, Sonnino, C, Cusella De Angelis, MG, Gioglio, L, Murry, CE, Kelly, R, Ferrari, G, Molinaro, M, Crescenzi, M, Mavilio, F, and Cossu, G (1998). High efficiency myogenic conversion of human fibroblasts by adenoviral vector-mediated MyoD gene transfer. *J Clin Invest* **101**: 2119-2128.
53. Rizzo, MG, Zepparoni, A, Cristofanelli, B, Scardigli, R, Crescenzi, M, Blandino, G, Giuliacci, S, Ferrari, S, Soddu, S, and Sacchi, A (1998). Wt-p53 action in human leukaemia cell lines corresponding to different stages of differentiation. *Brit J Cancer* **77**: 1429-1438.
54. Aquilina, G, Crescenzi, M, and Bignami, M (1999). Mismatch repair, G(2)/M cell cycle arrest and lethality after DNA damage. *Carcinogenesis* **20**: 2317-2326.
55. Giannini, G, Di Marcotullio, L, Ristori, E, Zani, M, Crescenzi, M, Scarpa, S, Piaggio, G, Vacca, A, Peverali, FA, Diana, F, Screpanti, I, Frati, L, and Gulino, A (1999).

HMGI(Y) and HMGI-C genes are expressed in neuroblastoma cell lines and tumors and affect retinoic acid responsiveness. *Cancer Res* **59**: 2484-2492.

56. Pajalunga, D, Tognozzi, D, Tiainen, M, D'Angelo, M, Ferrantelli, F, Helin, K, Sacchi, A, and Crescenzi, M (1999). E2F activates late-G1 events but cannot replace E1A in inducing S phase in terminally differentiated skeletal muscle cells. *Oncogene* **18**: 5054-5062.
57. Aquilina, G, Ceccotti, S, Martinelli, S, Soddu, S, Crescenzi, M, Branch, P, Karran, P, and Bignami, M (2000). Mismatch repair and p53 independently affect sensitivity to N-(2-chloroethyl)-N'-cyclohexyl-N-nitrosourea. *Clin Cancer Res* **6**: 671-680.
58. D'Orazi, G, Marchetti, A, Crescenzi, M, Coen, S, Sacchi, A, and Soddu, S (2000). Exogenous wt-p53 protein is active in transformed cells but not in their non-transformed counterparts: implications for cancer gene therapy without tumor targeting. *J Gene Med* **2**: 11-21.
59. Fiorentino, L, Pertica, C, Fiorini, M, Talora, C, Crescenzi, M, Castellani, L, Alema, S, Benedetti, P, and Segatto, O (2000). Inhibition of ErbB-2 mitogenic and transforming activity by RALT, a mitogen-induced signal transducer which binds to the ErbB-2 kinase domain. *Mol Cell Biol* **20**: 7735-7750.
60. Fiumicino, S, Martinelli, S, Colussi, C, Aquilina, G, Leonetti, C, Crescenzi, M, and Bignami, M (2000). Sensitivity to DNA cross-linking chemotherapeutic agents in mismatch repair-defective cells in vitro and in xenografts. *Int J Cancer* **85**: 590-596.
61. Latella, L, Sacchi, A, and Crescenzi, M (2000). Long-term fate of terminally differentiated skeletal muscle cells following E1A-initiated cell cycle reactivation. *Cell Death Diff* **7**: 145-154.
62. Moretti, F, Nanni, S, Farsetti, A, Narducci, M, Crescenzi, M, Giuliacci, S, Sacchi, A, and Pontecorvi, A (2000). Effects of exogenous p53 transduction in thyroid tumor cells with different p53 status. *J Clin Endocrinol Metab* **85**: 302-308.
63. Colussi, C, Fiumicino, S, Giuliani, A, Rosini, S, Musiani, P, Macri, C, Potten, CS, Crescenzi, M, and Bignami, M (2001). 1,2-Dimethylhydrazine-Induced Colon Carcinoma and Lymphoma in msh2(-/-) Mice. *J Natl Cancer Inst* **93**: 1534-1540.
64. Crescenzi, M, and Giuliani, A (2001). The main biological determinants of tumor line taxonomy elucidated by a principal component analysis of microarray data. *FEBS Letters* **507**: 114-118.
65. Latella, L, Sacco, A, Pajalunga, D, Tiainen, M, Macera, D, D'Angelo, M, Felici, A, Sacchi, A, and Crescenzi, M (2001). Reconstitution of cyclin D1-associated kinase activity drives terminally differentiated cells into the cell cycle. *Mol Cell Biol* **21**: 5631-5643.
66. Bonapace, IM, Latella, L, Papait, R, Nicassio, F, Sacco, A, Muto, M, Crescenzi, M, and Di Fiore, PP (2002). Np95 is regulated by E1A during mitotic reactivation of terminally differentiated cells and is essential for S phase entry. *J Cell Biol* **157**: 909-914.
67. Colussi, C, Parlanti, E, Degan, P, Aquilina, G, Barnes, D, Macpherson, P, Karran, P, Crescenzi, M, Dogliotti, E, and Bignami, M (2002). The Mammalian Mismatch Repair Pathway Removes DNA 8-oxodGMP Incorporated from the Oxidized dNTP Pool. *Curr Biol* **12**: 912-918.

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71. Sacco, A, Siepi, F, and Crescenzi, M (2003). HPV E7 expression in skeletal muscle cells distinguishes initiation of the postmitotic state from its maintenance. *Oncogene* **22**: 4027-4034.
72. Bossi, G, Mazzaro, G, Porrello, A, Crescenzi, M, Soddu, S, and Sacchi, A (2004). Wild-type p53 gene transfer is not detrimental to normal cells in vivo: implications for tumor gene therapy. *Oncogene* **23**: 418-425.
73. Camarda, G, Siepi, F, Pajalunga, D, Bernardini, C, Rossi, R, Montecucco, A, Meccia, E, and Crescenzi, M (2004). A pRb-independent mechanism preserves the postmitotic state in terminally differentiated skeletal muscle cells. *J Cell Biol* **167**: 417-423.
74. Marchetti, A, Cecchinelli, B, D'Angelo, M, D'Orazi, G, Crescenzi, M, Sacchi, A, and Soddu, S (2004). p53 can inhibit cell proliferation through caspase-mediated cleavage of ERK2/MAPK. *Cell Death Differ* **11**: 596-607.
75. Pajalunga, D, and Crescenzi, M (2004). Regulation of cyclin E protein levels through E2F-mediated inhibition of degradation. *Cell Cycle* **3**: 1572-1578.
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