

Curriculum Vitae

Marco Vitale

Nato il 19 febbraio 1961

Laureato in Medicina e Chirurgia (1985) *summa cum laude*

Specialista in Ematologia (1988) e in Tecnologie Biomediche (1992)

Professore Ordinario di Anatomia Umana, Facoltà di Medicina e Chirurgia, Università di Parma

1979 Maturità classica, Liceo classico Marco Foscarini, Venezia

1981 Proficiency in English, Università di Cambridge

Pre-laurea :

- Servizio di Citofluorimetria a flusso del Red Cross Blood Transfusion Service dell'Università di Amsterdam (1983-84)

1985 Laurea in Medicina e Chirurgia con lode, presso l'Università degli studi di Bologna

1985 abilitazione all'esercizio della professione medico-chirurgica

Post-laurea :

- Research fellow New York Medical College, Flow Cytometry Dept. (1986)
- Visiting scientist presso il Servizio di Citofluorimetria dell'Imperial Cancer Research Fund di Londra nel 1988 e nel 1992
- Fulbright International Research Fellow in Biologia Molecolare dell'ematopoiesi, Thomas Jefferson University School of Medicine, Philadelphia, USA (1994-95)

1988 Diploma di Specializzazione in Ematologia Generale con lode.

1992 Diploma di Specializzazione in Tecnologie Biomediche

Carriera accademica

1985-1992 *Assistente* presso la I Cattedra di Anatomia Umana della Facoltà di Medicina e Chirurgia dell'Università di Bologna

1990-oggi *Incaricato di Ricerca* presso l'Istituto di Citomorfologia Normale e Patologica del CNR di Bologna

1992-2000 *Professore associato* di Anatomia Umana presso la Facoltà di Medicina e Chirurgia dell'Università degli Studi di Brescia

2000-oggi *Professore Universitario di ruolo di I fascia* di Anatomia Umana presso la Facoltà di Medicina e Chirurgia dell'Università degli Studi di Parma.

2004-oggi Presidente del Corso di laurea in Scienze motorie, sport e salute, Facoltà di Medicina e Chirurgia, Università di Parma

2009-oggi Presidente del Corso di laurea magistrale in Scienze e tecniche delle attività motorie preventive e adattate, Facoltà di Medicina e Chirurgia, Università di Parma

- 2009-oggi Preside vicario della Facoltà di Medicina e Chirurgia, Università di Parma
- 2010-oggi Direttore del Dipartimento di Anatomia, farmacologia e scienze medico-forensi, Università di Parma

Attività scientifica

E' autore di oltre 200 pubblicazioni scientifiche, di cui **130 in estenso su riviste internazionali con collegio di referee**, di numerosi articoli su invito e comunicazioni a convegni nazionali ed internazionali.

E' *responsabile scientifico* di progetti di ricerca sulla biologia dei precursori ematopoietici, risposta a fattori di crescita e citochine e traduzione del segnale, finanziati dall'Associazione Italiana Ricerca sul Cancro (AIRC), dall'Istituto Superiore di Sanità (ISS), dalla Philip Morris Foundation (USA), dal Ministero dell'Università e della Ricerca Scientifica (MURST), nonché coordinatore nazionale di progetti negoziali FIRB e PRIN.

Ha stabilito *collaborazioni scientifiche internazionali* con laboratori europei e statunitensi: Thomas Jefferson University, Kimmel Cancer Center, Philadelphia, USA; University of Maryland at Baltimore, Institute of Human Virology, Baltimore, USA; Imperial Cancer Research Fund (ICRF), Londra, UK; Harvard University, Boston, USA.

MARCO VITALE

IMPACT FACTOR TOTALE	482,76
IMPACT FACTOR ULTIMI 5 ANNI	110,30
CITATION INDEX TOTALE	2.206,00

1. L. Cocco, A.M. Martelli, A.M. Billi, M. Vitale, A. Matteucci, L.M. Neri and F.A. Manzoli. CHANGES IN NUCLEOSOME STRUCTURE AND HISTONE H3 ACCESSIBILITY IODOACETAMIDOFUORESCHEIN LABELLING AFTER TREATMENT WITH PHOSPHATIDYLSERINE VESICLES. **Exp. Cell Res.** 166, 465-474, 1986
2. M.Vitale, S.Papa, A.R.Mariani, A.Facchini, R.Rizzoli and F.A.Manzoli. USE OF POLIGONAL WINDOWS FOR PHYSICAL DISCRIMINATION AMONG MONONUCLEAR SUBPOPULATIONS IN FLOW CYTOMETRY. **J. Immunol. Meth.** 96, 63-68, 1987
3. A.Facchini, E.Mariani, A.R.Mariani, S.Papa, M.Vitale, F.A.Manzoli. INCREASED NUMBER OF CIRCULATING Leu11c+ (CD 16) LARGE GRANULAR LYMPHOCYTES AND DECREASED NK ACTIVITY DURING HUMAN AGING. **Clin. exp. Immunol.**, 68, 340, 1987.
4. M.Vitale, G.Mazzotti, S.Papa, L.M.Neri, G.Marinozzi and F.A.Manzoli. FLOW CYTOMETRIC PHENOTYPE OF HUMAN LYMPHOCYTES DURING ATHLETIC TRAINING. **Med.Sci. Res.**,15,567-568, 1987
5. S.Papa, S.Capitani, A.Matteucci, M.Vitale, P.Santi, A.M. Martelli, N.M.Maraldi and F.A.Manzoli. FLOW CYTOMETRIC ANALYSIS OF ISOLATED RAT LIVER NUCLEI DURING GROWTH. **Cytometry** 8, 595-601,1987
6. E. Mariani, P. Roda, A.R. Mariani, M. Vitale, A. Degrassi, S. Papa, F.A. Manzoli, A. Facchini. LYMPHOCYTE CLONES FROM OLD SUBJECTS: GROWING RATE AND FUNCTIONAL ACTIVITY. **Cytotechnology**, 1, 103-105, 1987.
7. S.Papa, N.M.Maraldi, A.Matteucci, P.Santi, M.Vitale, A.Galanzi and F.A.Manzoli. CRHOMATIN ORGANIZATION IN ISOLATED NUCLEI: FLOW CYTOMETRIC CHARACTERIZATION EMPLOYING FORWARD AND PERPENDICULAR LIGHT SCATTER. **Cell Biochem. Funct.** 6, 31-38, 1988.
8. S. Papa, M. Vitale, A.R. Mariani, P. Roda, A. Facchini, F.A. Manzoli. NATURAL KILLER FUNCTION IN FLOW CYTOMETRY. I. EVALUATION OF NK LYTIC ACTIVITY ON K562 CELL LINE. **J. Immunol. Meth.**, 107, 73-78, 1988
9. M. Magnani, S. Papa, L. Rossi, M. Vitale, G. Fornaini, F.A. Manzoli. MEMBRANE-BOUND IMMUNOGLOBULINS INCREASE DURING RED BLOOD CELL AGING. **Acta Haematologica** 79: 127-132, 1988

10. S.Papa, M.Vitale, G.Mazzotti, R.Rizzoli, M.Falconi, A. Bartoletti, F.A.Manzoli. GRADIENT FRACTIONATION OF CYCLING AND RESTING CELLS MONITORED BY BrdUrd INCORPORATION. *Histochemistry*, 89, 241-245, 1988
11. M.Vitale, R.Rizzoli, A.R.Mariani, L.M.Neri, A.Facchini, S.Papa. EVALUATION OF NK-TO-TARGET CELL BINDING AND EVIDENCE FOR T CELL CONJUGATES BY FLOW CYTOMETRY. *Cytotechnology*, 2: 59-62, 1989
12. S.Papa, M.Vitale, N.Zini., A.Matteucci, T.Cecchini, N.M. Maraldi. CHROMATIN ORGANIZATION IN RAT TESTIS NUCLEI. FLOW CYTOMETRIC DETECTION OF THE MORPHOLOGICAL COMPACTION. *Cell Biochem. Funct.*, 7: 205-212, 1989
13. M. Vitale, L.M. Neri, S.Comani, E.Falcieri, R.Rizzoli, R.Rana, S.Papa. NATURAL KILLER FUNCTION IN FLOW CYTOMETRY. II. EVALUATION OF NK LYTIC ACTIVITY BY MEANS OF TARGET CELL MORPHOLOGICAL CHANGES DETECTED BY RIGHT ANGLE LIGHT SCATTER. *J. Immunol. Meth.*, 121: 115-120, 1989
14. E. Caramelli, S. Papa, A.M. Billi, M. Vitale, A. Bartoletti, F.A. Manzoli, S. Capitani. LIPOSOME-NUCLEUS INTERACTIONS. FLOW CYTOMETRIC STUDY ON THE ROLE OF THE NUCLEAR SURFACE. *Cell Biochem. and Funct.* 7: 71-74, 1989
15. S.Papa, M.Vitale, G.Mazzotti, L.M.Neri, G.Monti, F.A.Manzoli. IMPAIRED LYMPHOCYTE STIMULATION INDUCED BY LONG TERM TRAINING. *Immunol. Lett.* 22: 29-33, 1989
16. M.Vitale, L.M.Neri, L.Manzoli, A.Galanzi, R.Rana, A.Antonucci, S.Papa. IMPROVED BROMODEOXYURIDINE/DNA ANALYSIS BY ANTI-BrdU MONOCLONAL ANTIBODY VERSUS RIGHT ANGLE LIGHT SCATTER. *Histochemistry*, 93: 9-11, 1989.
17. M.Vitale, L.M.Neri, L.Manzoli, A.Galanzi, R.Rana, A.Antonucci, S.Papa. HIGH RESOLUTION DETECTION OF NEWLY-SYNTHETIZED DNA BY ANTI-BROMODEOXYURIDINE ANTIBODIES IDENTIFIES SPECIFIC CHROMATIN DOMAINS. *J. Histochem. Cytochem.*, 38(1): 13-22, 1990.
18. M.Vitale, S.Papa, L.Roncuzzi, A.Gasperini-Campani. EFFECT OF TULIPIN ON CELL CYCLE PROGRESSION ANALYZED BY BrdUrd INCORPORATION. *Histochemistry*, 93: 229-331, 1990.
19. R. Rana, M. Vitale, G. Mazzotti, L. Manzoli, S. Papa. RADIOSENSITIVITY OF HUMAN NATURAL KILLER CELLS: BINDING AND CYTOTOXIC ACTIVITIES OF NATURAL KILLER CELL SUBSETS. *Radiat. Res.*, 124: 96-102, 1990.
20. E.Mariani, P.Roda, A.R.Mariani, M.Vitale, A.Degrassi, S.Papa, A.Facchini. AGE ASSOCIATED CHANGES IN CD8+ AND CD16+ CELL REACTIVITY: CLONAL ANALYSIS. *Clin. Exp. Immunol.* 81: 479-484, 1990.
21. S.Papa, L.Zamai, T.Cecchini, P.Del Grande and M.Vitale. CELL CYCLE ANALYSIS IN FLOW CYTOMETRY: USE OF BrdU LABELLING AND SIDE SCATTER FOR

THE DETECTION OF THE DIFFERENT CELL CYCLE PHASES. *Cytotechnol.*, 5:103-106, 1991.

22. M.Vitale, L.Zamai, A.Antonucci, P.Del Grande, S.Papa. TECHNICAL IMPROVEMENTS FOR FLOW KARYOTYPING BY STANDARD FACS 440 FLOW CYTOMETER. *Cytotechnol.*, 5: 195-199, 1991.
23. M.Vitale, R.Rizzoli, G.Mazzotti, L.Zamai, A.Galanzi, R.Rizzi, L.Manzoli, A.Matteucci, S.Papa. CHARACTERIZATION AND CELL CYCLE KINETICS OF HEPATOCYTE DURING RAT LIVER REGENERATION: IN VIVO BrdU INCORPORATION ANALYZED BY FLOW CYTOMETRY AND ELECTRON MICROSCOPY. *Cell prolifer.*, 24: 381-388, 1991.
24. M.Vitale, L.Zamai, L.M.Neri, L.Manzoli, A.Facchini, S.Papa. NATURAL KILLER FUNCTION IN FLOW CYTOMETRY. IDENTIFICATION OF HUMAN LYMPHOID SUBSETS ABLE TO BIND TO THE NK SENSITIVE TARGET K562. *Cytometry*, 12: 717-722, 1991.
25. M. Vitale, P.A. De Iaco, L. Zamai, R.Rana, A. Antonucci, A. Costa, S.Papa. PERIPHERAL BLOOD LYMPHOCYTES IN GYNAECOLOGICAL MALIGNANCIES: FLOW CYTOMETRIC ANALYSIS. *Med. Sci. Res.* 19: 461-462, 1991.
26. E.Mariani, A.R.Mariani, M.C.G. Monaco, E.Lalli, M.Vitale, A.Facchini. COMMERCIAL SERUM-FREE MEDIA: HYBRIDOMA GROWTH AND MONOCLONAL ANTIBODY PRODUCTION. *J. Immunol. Meth.*, 145: 175-183, 1991.
27. E.Santavenere, A.Cataldi, R.Rana, M.Vitale, R.Lisio, L.Didomenicantonio, L.Zamai, O.Trubiani, S.Miscia. NUCLEAR METABOLIC CHANGES INDUCED BY TUMOR NECROSIS FACTOR IN DAUDI LYMPHOMA CELLS; A MULTIPARAMETRIC ANALYSIS. *Cell Biol. Int. Rep.*, 15: 1235, 1991.
28. R.Rizzoli, B.Baratta, N.M.Maraldi, M.Falconi, A.Galanzi, S.Papa, M.Vitale, E.Rizzi, L.Manzoli, G.Mazzotti. DNA SYNTHESIS PROGRESSION IN 3T3 SYNCHRONIZED FIBROBLASTS. *Histochemistry*, 97: 181-187, 1992.
29. M.Vitale, L.Zamai, S.Papa, G.Mazzotti, A.Facchini, G.Monti, F.A.Manzoli. NATURAL KILLER FUNCTION IN FLOW CYTOMETRY III. SURFACE MARKERS DETERMINATION OF TARGET-CONJUGATED LYMPHOCYTES BY DUAL LASER FLOW CYTOMETRY. *J. Immunol. Meth.*, 149 (2): 189-196, 1992.
30. A.Cataldi, E.Santavenere, M.Vitale, O.Trubiani, R.Lisio, G.Tulipano, L.Di Domenicantonio, L.Zamai, S.Miscia. INTERFERON AFFECTS CELL GROWTH PROGRESSION BY MODULATING DNA POLYMERASE ACTIVITY. *Cell Prolif.*, 25: 225-231, 1992.
31. R.Rana, R.DiPietro, A.Antonucci, A.Cataldi, S.Miscia, M.Vitale, L.Cocco. AGE RELATED EVENTS IN ACTIVE T SUBPOPULATION. CHANGES IN POLYPHOSPHOINOSITIDE METABOLISM DURING MITOGENIC ACTIVATION. *Mech. Ageing Develop.*, 64: 61-67, 1992.

32. L.Zamai, S.Papa, G.Marinozzi, G.Caroli, R.Rana, A.Cataldi, G.Mazzotti, M. Vitale. NATURAL KILLER PHENOTYPE AND FUNCTION DURING LONG TERM AEROBIC TRAINING. **Med. Sci. Res.**, 20: 319-320, 1992.
33. M.Vitale, L.Zamai, L.M.Neri, A.Galanzi, A.Facchini, R.Rana, A.Cataldi, S.Papa. THE IMPAIRMENT OF NATURAL KILLER FUNCTION IN THE HEALTHY AGED IS DUE TO A POST-BINDING DEFICIENT MECHANISM. **Cell. Immunol.**, 145: 1-10, 1992. (IF: 1.830)
34. O. Trubiani, R.Di Primio, L.Zamai, D.Bosco, F.J.Bollum, M.Vitale. PHORBOL ESTER-INDUCED EFFECTS ON CELL CYCLE PROGRESSION AND TERMINAL DEOXYNUCLEOTIDYLTRANSFERASE (TdT) ACTIVITY IN KM-3 PRE-B CELL LINE. **Immunol. Lett.**, 35: 265-270, 1993. (IF: 1.096)
35. M.Vitale, L.Zamai, G.Mazzotti, A.Cataldi, E.Falcieri. DIFFERENTIAL KINETIC OF PROPIDIUM IODIDE UPTAKE IN APOPTOTIC AND NECROTIC THYMOCYTES. **Histochemistry**, 100: 223-229, 1993. (IF: 1.730)
36. L.Zamai, R.Bareggi, E.Santavenere, M.Vitale. SUBTRACTION OF AUTOFLUORESCENT DEAD CELLS FROM THE LYMPHOCYTE FLOW CYTOMETRIC BINDING ASSAY. **Cytometry**, 14: 951-954, 1993. (IF: 2.150)
37. L.Zamai, E.Falcieri, G.Zauli, A.Cataldi, M.Vitale. OPTIMAL DETECTION OF APOPTOSIS BY FLOW CYTOMETRY DEPENDS ON CELL MORPHOLOGY. **Cytometry**, 14: 891-897, 1993. (IF: 2.150)
38. L.Zamai, S.Papa, G.Lattanzi, R.Rizzoli, E.Rizzi, G.Mazzotti, M.Vitale. CHROMOSOMAL DNA AFTER FIXATION IS LESS SUSCEPTIBLE TO DENATURATION DURING METAPHASE THAN INTERPHASE. **Eur. J. Histochem.**, 37: 49-58, 1993. (IF: 0.538)
39. G.Zauli, M.Vitale, M.C.Re, G.Furlini, L.Zamai, E.Falcieri, D.Gibellini, G.Visani, B.R.Davis, S.Capitani, M.La Placa. *IN VITRO* EXPOSURE TO HUMAN IMMUNODEFICIENCY VIRUS TYPE-1 (HIV-1) INDUCES APOPTOTIC CELL DEATH OF THE FACTOR-DEPENDENT TF-1 HEMATOPOIETIC CELL LINE. **Blood**, 83: 167-175, 1994. (IF: 9.507)
40. G.Zauli, M.Vitale, G.Visani, M.Marchisio, D.Milani, S.Capitani. *IN VITRO* GROWTH OF HUMAN FETAL CD34+ CELLS IN THE PRESENCE OF VARIOUS COMBINATIONS OF RECOMBINANT CYTOKINES UNDER SERUM-FREE CULTURE CONDITIONS. **Br. J. Hematol.**, 86: 461-467, 1994. (IF: 3.370)
41. R.Rana, R.DiPietro, L.Centurione, M.Vitale, L.Zamai, A.Sciscio, G.Mazzotti. AGE-RELATED EVENTS IN ACTIVE T LYMPHOCYTE SUBPOPULATION: A MORPHOLOGICAL STUDY. **Mech. Ageing Develop.**, 73: 17-25, 1994. (IF: 1.143)
42. G.Zauli, G.Furlini, M.Vitale, M.C.Re, D.Gibellini, L.Zamai, G.Visani, P.Borgatti, S. Capitani, M.La Placa. A SUBSET OF HUMAN CD34+ HEMATOPOIETIC PROGENITORS EXPRESS LOW LEVELS OF CD4, THE HIGH AFFINITY RECEPTOR FOR HUMAN IMMUNODEFICIENCY VIRUS TYPE I. **Blood**, 84: 1896-1905, 1994. (IF: 9.507)

43. E.Falcieri, P.Gobbi, A.Cataldi, L.Zamai, I.Faenza, M.Vitale. NUCLEAR PORES IN THE APOPTOTIC CELL. **Histochem. J.** 26: 754-756, 1994. (IF: 1.747)
44. E.Falcieri, L.Zamai, S.Santi, C.Cinti, P.Gobbi, D.Bosco, A.Cataldi, C.Betts, M.Vitale. THE BEHAVIOUR OF NUCLEAR DOMAINS IN THE COURSE OF APOPTOSIS. **Histochemistry**, 102: 221-231, 1994. (IF: 1.730)
45. A.Ciccodicola, C. Cinti, T.Esposito, C.Campanile, A.Casamassimi, M.G.Milano, N.M.Maraldi, M.Vitale, D.Jhonson, B.Molini, W.Masisi, J.Kere, D.Shlessinger, M.D'Urso. SEQUENCE-TAGGED SITES (STSS) FROM YAC INSERT-ENDS AND X-SPECIFIC FLOW-SORTED CHROMOSOMES. **Mammalian Genome**, 5: 511-514, 1994. (IF: 2.069)
46. R.Rana, A.Cataldi, R.Di Pietro, G.Mazzotti, L.Centurione, I.Robuffo, M.Vitale, S.Miscia. EVIDENCE FOR AN EARLY AND TRANSIENT INVOLVEMENT OF NUCLEAR INOSITOL LIPIDS IN SUBCELLULAR SIGNALLING EVENTS RELATED TO DNA REPAIR PROCESSES. **Cell. Signal.**, 6: 475-480, 1994. (IF: 2.174)
47. R.Rizzoli, E.Rizzi, M.Falconi, A.Galanzi, B.Baratta, G.Lattanzi, M.Vitale, L.Manzoli, G.Mazzotti. HIGH RESOLUTION DETECTION OF UNCOATED METAPHASE CHROMOSOMES BY MEANS OF FIELD EMISSION SCANNING ELECTRON MICROSCOPY. **Chromosoma**, 103: 393-400, 1994. (IF: 2.669)
48. E.Falcieri, P.Gobbi, L.Zamai, M.Vitale. ULTRASTRUCTURAL FEATURES OF APOPTOSIS. **Scanning Microsc.**, 8: 653-666, 1994. (Review) (IF: 0.912)
49. L.Zamai, R.Rana, G.Mazzotti, L.Centurione, R.Di Pietro, M.Vitale. LYMPHOCYTE BINDING TO K562 CELLS: EFFECT OF TARGET CELL IRRADIATION AND CORRELATION TO ICAM-1 AND LFA-3 EXPRESSION. **Eur. J. Histochem.** 38: 53-60, 1994. (IF: 0.518)
50. L.Zamai, G.Zauli, A.Bavelloni, S.Marmioli, A.Cataldi, G.Weber, M.Vitale. TIAZOFURIN INDUCES A DOWN MODULATION OF ICAM-1 EXPRESSION ON K562 TARGET CELLS IMPAIRING NK ADHESION AND KILLING. **Cell. Immunol.**, 164: 100-104, 1995. (IF: 1.830)
51. G.Zauli, G.Visani, M.Vitale, D.Gibellini, L.Bertolaso, S.Capitani. ALL-trans RETINOIC ACID SHOWS MULTIPLE EFFECTS ON THE SURVIVAL, PROLIFERATION AND DIFFERENTIATION OF HUMAN FETAL CD34+ HEMOPOIETIC PROGENITOR CELLS. **Br. J. Hematol.**, 90: 274-282, 1995. (IF: 3.370)
52. L.Zamai, G.Mazzotti, S.Papa, L.Vecchiet, M.Vitale. PROFESSIONAL SOCCER PLAYERS SHOW ENHANCED NK FUNCTION AT THE POST-BINDING LEVEL. **Med. Sci. Res.**, 23: 657-659, 1995. (IF: 0.367)
53. G.Zauli, M.Vitale, D.Gibellini, S.Capitani. INHIBITION OF PURIFIED CD34+ HEMATOPOIETIC PROGENITOR CELLS BY HIV-1 OR gp120 MEDIATED BY ENDOGENOUS TGF- β 1. **J.Exp.Med.**, 183: 99-108, 1996. (IF: 14.384)

54. B.Baratta, R.Rizzoli, I.Galliani, M.Vitale, E.Rizzi, A.Matteucci, A.Galanzi, L.Zamai, G.Mazzotti. EARLY EVENTS OF LIVER REGENERATION IN RATS: A MULTIPARAMETRIC ANALYSIS. **Histochem. Cell. Biol.**, 105: 61-69, 1996. (IF: 1.730)
55. L.Zamai, E.Falcieri, G.Marhefka, M.Vitale. SUPRAVITAL EXPOSURE TO PROPIDIUM IODIDE IDENTIFIES APOPTOTIC CELLS IN THE ABSENCE OF NUCLEOSOMAL DNA FRAGMENTATION. **Cytometry**, 23: 303-311,1996. (IF: 2.150)
56. L.Stuppia, P.Gobbi, L.Zamai, G.Palka, M.Vitale, E.Falcieri. MORPHOMETRIC AND FUNCTIONAL STUDY OF APOPTOTIC CELL CHROMATIN. **Cell Death and Differ.**, 3: 397-405, 1996. (IF: 5.274)
57. E. Falcieri, L.Stuppia, A.di Baldassarre, A.R.Mariani, C.Cinti, M.Columbaro, L.Zamai, M.Vitale. DIFFERENT APPROACHES TO THE STUDY OF APOPTOSIS. **Scanning Microscopy**, 10: 227-237, 1996. (IF: 0.912)
58. L.Zamai, E.Falcieri, P.Gobbi, S.Santi, M.Falconi, G.Marhefka, M.Vitale. ANTI BrdUrd LABELLING OF NEWLY SYNTHESIZED DNA IN HL-60 CELLS TRIGGERED TO APOPTOSIS. **Cytometry**, 25: 324-332, 1996. (IF: 2.150)
59. G.Zauli, A.Bassini, M.Vitale, D.Gibellini, C.Celeghini, E.Caramelli, S.Pierpaoli, L.Guidotti, S.Capitani. TROMBOPOIETIN ENHANCES THE $\alpha_{IIb}\beta_3$ -DEPENDENT ADHESION OF MEGAKARYOCYTIC CELLS TO FIBRINOGEN OR FIBRONECTIN THROUGH PI3 KINASE. **Blood**, 89: 883-895, 1997. (IF: 9.507)
60. THE IMP-DEHYDROGENASE INHIBITOR, TIAZOFURIN, INDUCES APOPTOSIS IN K562 HUMAN ERYTHROLEUKEMIA CELLS. M.Vitale, L.Zamai, E.Falcieri, G.Zauli, P.Gobbi, S.Santi, C.Cinti, G.Weber. **Cytometry**, 30: 61-66, 1997. (IF: 2.150)
61. G.Zauli, M.Vitale, E.Falcieri, D.Gibellini, A.Bassini, C.Celghini, M.Clumbaro, S.Capitani. *IN VITRO* SENESCENCE AND APOPTOTIC CELL DEATH OF HUMAN MEGAKARYOCYTES. **Blood**, 90: 2234-2243, 1997. (IF: 9.507)
62. M.Vitale, G.Zauli, A.Bassini, G.Visani, R.Rezzani, Croce C.M., F.A.Manzoli. SELECTIVE ENRICHMENT IN HUMAN MEGAKARYOCYTE PROGENITORS BY THE B203.13 SURFACE DIFFERENTIATION ANTIGEN. **Br. J. Hematol.**, 99: 766-769, 1997. (IF: 3.370)
63. R.Di Pietro, E.Santavenere, L.Centurione, L.Stuppia, M.A.Centurione, M.Vitale, R.Rana. TNF- α -INDUCED APOPTOSIS IN DAUDI CELLS: MULTIPARAMETRIC ANALYSIS. **Cytokine**, 9: 463-470, 1997. (IF: 2.076)
64. M.Vitale, R.Rezzani, L.Rodella, G.Zauli, P.Grigolato, M.Cadei, D.J.Hicklin, S.Ferrone. HLA CLASS I ANTIGEN AND TRANSPORTER ASSOCIATED WITH ANTIGEN PROCESSING (TAP1 AND TAP2) DOWN-REGULATION IN HIGH GRADE PRIMARY BREAST CARCINOMA LESIONS. **Cancer Research**, 58: 737-742, 1998. (IF: 8.426)

65. G.Zauli, D.Gibellini, M.Vitale, P.Secchiero, C.Celeghini, A.Bassini, S.Pierpaoli, M.Marchisio, L.Guidotti, S.Capitani. THE INDUCTION OF MEGAKARYOCYTE DIFFERENTIATION IS ACCOMPANIED BY THE SELECTIVE Ser¹³³ PHOSPHORILATION OF THE TRANSCRIPTION FACTOR CREB IN BOTH HEL CELL LINE AND PRIMARY CD34⁺ CELLS. **Blood**, 92: 472-480, 1998. (IF: 9.507)
66. L.Rodella, R.Rezzani, G.Zauli, A.R.Mariani, R.Rizzoli, M.Vitale. APOPTOSIS INDUCED BY NATURAL KILLER CELLS IS MODULATED BY THE NK ACTIVE CYTOKINES IL-2 AND IL-12. **Int. Immunol.**, 10: 719-725, 1998. (IF: 3.548)
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