

**Prof. Riccardo Alessandro**

**Pubblicazioni *in extenso* su riviste con impact factor**

1. Giallombardo M., Taverna S., Alessandro R., Hong D., Rolfo C. Exosome-mediated drug resistance in cancer: the near future is here. *Therapeutic Advances in Medical Oncology*, 1-3, 2016
2. Taverna S., Fontana S., Monteleone F., Pucci M., Saieva L., De Caro V., Cardinale Giunta V., Giallombardo M., Rolfo C., Vicario E., De Leo G., **Alessandro R.** Curcumin modulates Chronic Myelogenous Leukemia exosomes composition and affects angiogenic phenotype, via exosomal miR-21. In press *Oncotarget* 2016
3. Colomba P., Scalia S., Cammarata G., Zizzio C., Francofonte D., Savica V., **Alessandro R.**, Iemolo F., Duro G. Fabry disease, a complex pathology not easy to diagnose. *Cardiogenetics*, 5: 17-20, 2016
4. Baiocchini A., Montaldo C., Conigliaro A., Grimaldi A., Correani V., Mura F., Ciccocanti F., Rotiroti N., Brenna A., Montalbano M., D'Offizi G., Capobianchi M.R., **Alessandro R.**, Piacentini M., Schininà M.E., Maras B., Del Nonno F., Tripodi M., Mancone C. Extracellular matrix molecular remodeling in human liver fibrosis evolution. In Press, *PlosOne*, 2016
5. Corrado C., Saieva L., Raimondo S., Santoro A., De Leo G., and **Alessandro R.** Chronic myelogenous leukaemia exosomes modulate bone marrow microenvironment through activation of epidermal growth factor receptor. *J. Cell and Mol. Medicine*, accepted 2016 (IF 4)
6. Ciccio F., Guggino G., Ferrante A., Raimondo S., Bignone R., Rodolico V., Peralta S., Van Tok M., Cannizzaro A., Schinocca C., Ruscitti P., Cipriani P., Giacomelli R., **Alessandro R.**, Dieli F., Rizzo A., Baeten D., Triolo G. IL-9 over-expression and Th9 polarization characterize the inflamed gut, the synovial tissue and the peripheral blood of patients with psoriatic arthritis. *Arthritis and Rheumatology*. 2016 (IF 7.71)
7. Zizzo C., Monte I., Pisani A., Fantuzzo P., Riccio M., Rodolico M.S., Colomba P., Uva M., Cammarata G., **Alessandro R.**, Iemolo F., Duro G. Molecular and clinical studies in five index cases with novel mutations in the GLA gene. *Gene*, 578 (1): 100-4, 2016 (IF 2.13)
8. Taverna S., Giallombardo M., Gil-Bazo I., Carreca A.P., Castiglia M., Chacartegui J., Araujo A., **Alessandro R.**, Pauwels P., Peeters M., Rolfo C. Exosomes isolation and characterization in serum is feasible in Non-Small Cell Lung Cancer patients: critical analysis of evidence and potential role in clinical practice. In press *Oncotarget* 2016 (IF 6.36)
9. Conigliaro A., Costa V., Lo Dico A., Saieva L., Buccheri S., Dieli F., Manno M., Raccosta S., Mancone C., Tripodi M., De Leo G., **Alessandro R.** CD90+ Liver Cancer Cells Modulate Endothelial Cell Phenotype through the Release of Exosomes Containing H19 lncRNA. *Molecular Cancer*, 14:155, 2015 (IF 5.22)

10. Guggino G., Ciccia F., Raimondo S., Giardina G., **Alessandro R.**, Dieli F., Sireci G., Triolo G. Invariant NKT cells are expanded in peripheral blood but are undetectable in salivary glands of patients with primary Sjogren Syndrome. In Press, Clinical Experimental Rheumatology 2015 (IF 2.43)
11. Craparo E.F., Licciardi M., Sardo C., Giammona G., Conigliaro A., **Alessandro R.**, De Leo, G., Cavallaro G. Hepatocyte-targeted fluorescent nanoparticles based on a polyaspartamide for potential theranostic applications. In Press, Polymer 2015 (IF 3.91)
12. Taverna S., Giallombardo M., Pucci M., Flugy A., Manno M., Raccosta S., Rolfo C., De Leo G. and **Alessandro R.** Curcumin inhibits *in vitro* and *in vivo* Chronic Myelogenous Leukemia cells growth: a possible role for exosomal disposal of miR-21. Oncotarget 6(26):21918-33, 2015 (IF 6.36)
13. Raimondo S., Naselli F., Fontana S., Monteleone F., Lo Dico A., Saieva L., Zito G., Flugy A., Manno M., Di Bella MA., De Leo G., **Alessandro R.** *Citrus limon* L.-derived nanovesicles induce TRAIL-mediated cancer cell death. Oncotarget 6(23):19514-27, 2015 (IF 6.36)
14. Ciccia F., Accardo-Palumbo A., **Alessandro R.**, Alessandri C., Priori R., Guggino G., Raimondo S., Carubbi F., Giacomelli R., Valesini G., Rizzo A. and Triolo G. IL-36 axis is modulated in patients with primary Sjogren's Syndrome. Clinical Experimental Immunology 181(2):230-8, 2015 (IF 3.26)
15. Raimondo S., Corrado C., Raimondi L., De Leo G., and **Alessandro R.** Role of Extracellular Vesicles in Hematological Malignancies. Biomed Research International Reports, 2015 (IF 1.59)
16. Cammarata G., Salemi D., Agueli C., Augugliaro L., Corrado C., Bica M.G., Raimondo S., Marfia A., Scavo E., Dragotto P., Di Raimondo F., **Alessandro R.**, Fabbiano F. and Santoro A. MiR-155 regulative network in FLT3 mutated acute myeloid leukemia. Leukemia Research 39(8):883-96, 2015 (IF 2.41)
17. Ciccia F., Guggino G., Rizzo A., Bombardieri M., Raimondo S., Carubbi F., Cannizzaro A., Sireci G., Dieli F., Campisi G., De Leo G., Giacomelli R., **Alessandro R.** and Triolo G. IL-22 receptor 1 is aberrantly overexpressed in patients with primary Sjogren's Syndrome and Sjogren-associated non-Hodgkin lymphomas and regulated by IL-18. Clinical and Experimental Rheumatology 181(2):219-29, 2015 (IF 2.43)
18. Ciccia F., Guggino G., Rizzo A., Saieva L., Peralta S., Giardina A.R., **Alessandro R.**, Triolo G. Type 3 innate lymphoid cells producing IL-17 and IL-22 (IL-23R<sup>+</sup>CD3<sup>+</sup>/CD3<sup>-</sup>CD4<sup>-</sup>CD8<sup>-</sup>CD56<sup>+</sup>RORc<sup>-</sup>T-bet<sup>+</sup>NKp44<sup>+</sup>) are expanded in the gut and in the peripheral blood, synovial fluid and bone marrow of patients with Ankylosing Spondylitis. Annals of Rheumatic Disease, 74(9),1739-1747, 2015 (IF 9.64)
19. Raimondi L., De Luca A., Amodio N., Manno M., Raccosta S., Taverna S., Bellavia D., Naselli F., Fontana S., Schillaci O., Giardino R., Fini M., Tassone P., Santoro A., De Leo G., Giavaresi G., **Alessandro R.** Involvement of multiple myeloma cell-derived exosomes in osteoclast differentiation. Oncotarget 6(15),13772-1389, 2015 (IF 6.36)

20. Cammarata G., Fatuzzo P., Rodolico M. S., Colomba P., Sicurella L., Iemolo F., Zizzo C., **Alessandro R.**, Bartolotta C., Duro G. and Monte I. High variability of Fabry disease manifestations in an extended Italian family. *BioMed Research International* 2015:504784, 2015 (IF 1.59)
21. Ciccina F., Guggino G., Rizzo A., Manzo A., Vitolo B., La Manna M.P., Giardina G., Sireci G., Dieli F., Montecucco C.M., **Alessandro R.** and Triolo G. Potential involvement of IL-9 and Th9 cells in the pathogenesis of rheumatoid arthritis. *Rheumatology* 54 (12):2264-72, 2015 (IF 4.47)
22. Fontana S., Giallombardo M., Frinchi M., Schillaci O., Morici G., Di Liberto V., De Leo G., **Alessandro R.**, Belluardo N., Mudò G. Reduction of dystrophic muscle degeneration process by low-intensity endurance exercise: a quadriceps muscle proteomic profiling of exercised versus sedentary mdx mice. *Biosci. Rep.*, 35(3), 2015 (IF 2.31)
23. Raimondo S., Saieva L., Corrado C., Fontana S., De Leo G., and **Alessandro R.** Chronic Myeloid Leukemia cells-derived exosomes promote tumor growth and survival through an autocrine mechanism. *Cell Communication and Signalling*, 13(1),8, 2015 (IF 4.95)
24. Ciccina F., Rizzo A., Guggino G., Cavazza A., **Alessandro R.**, Maugeri R., Cannizzaro A., Boiardi L., Iacopino D.G., Salvarani C., and Triolo G. Difference in the expression of IL-9 and IL-17 correlates with different histologic pattern of vascular wall injury in Giant cell arteritis. *Clinical and Experimental Rheumatology* 54(9),1596-1604,2015 (IF 2.43)
25. Kenna T.J., Lau M.C., Keith P., Ciccina F., Costello M., Bradbury L., Low P., Agrawal N., Triolo G., **Alessandro R.**, Robinson P.C., Thomas G.P., Brown M.A. Disease-associated polymorphisms in *ERAPI* do not alter endoplasmic reticulum stress in patients with ankylosing spondylitis. *Genes and Immunity*, 16(1):35-42, 2015 (IF 3.11)
26. Colomba P., Fontana S., Salemi G., Barranca M., Lo Sicco C., Mazzola M.A., Ragonese P., Savettieri G., De Leo G., **Alessandro R.**, and Duro G. Identification of Biomarkers in Cerebrospinal Fluid and Serum of Multiple Sclerosis Patients by Immunoproteomic Approach. *Int J Mol Sci*, 15(12):23269-23282, 2014 (IF 2.98)
27. Rolfo C.D., Castiglia M., **Alessandro R.**, Mertens I., Baggerman G., Zwaenepoel K., Gil-Bazo I., Passiglia F., Carreca A.P., Taverna S., Vento R., Santini D., Peeters M., Russo A., Pauwels P. Liquid Biopsies in Lung Cancer: The new Ambrosia of researchers. *BBA*, 1846(2):539-546, 2014 (IF 8.81)
28. Allegra A., Raimondo S., Volpes A., Fanale D., Marino A., Cicero G., De Leo G., Sammartano F., Allegra G., **Alessandro R.** Gene expression profiling of cumulus oophorus cells reveals significant altered pathways in patients with endometriosis. *Journal of Assisted Reproduction and Genetics*, 31(10):1277-85, 2014 (IF 1.89)
29. Taverna S., Amodeo V., Saieva L., Russo A., Giallombardo M., De Leo G., and **Alessandro R.** Exosomal shuttling of miR-126 in endothelial cells modulates adhesive and migratory abilities of chronic myelogenous leukemia cells. *Molecular Cancer*, 13(1):169-182, 2014 (IF 5.22)
30. Raimondi L., Amodio N., Di Martino T., Altomare E., Leotta M., Caracciolo D., Gullà A., Neri A., Taverna S., **Alessandro R.**, Giordano A., Tagliaferri P. and Tassone P. Targeting

of multiple myeloma-related angiogenesis by miR-199a-5p mimics: in vitro and in vivo anti-tumor activity. *Oncotarget*, 5(10):3039-3054, 2014 (IF 6.36)

31. Corrado C., Raimondo S., Saieva L., Flugy A., De Leo G., and **Alessandro R.** Exosome-mediated crosstalk between bone marrow stromal cells and chronic myelogenous leukemia cells triggers an Interleukin 8-dependent survival of tumor cells. *Cancer Letters*, 348, 71-76, 2014 (IF 4.95)
32. Ciccía F., Rizzo A., **Alessandro R.**, Guggino F., Carubbi F., Santoro A., Giardina A.R., Cipriani P., Giacomelli R., Triolo G. Rituximab modulates the IL-17 immune response in patients with primary Sjogren's syndrome. *Rheumatology*, 53(7):1313-1320, 2014 (IF 4.67)
33. Ciccía F., Rizzo A., **Alessandro R.**, Guggino G., Maugeri R., Saieva L., Carubbi F., Cannizzaro A., Giardina A.R., Cipriani P., De Leo G., Iacopino D.G., Giacomelli R. and Triolo G. Activated IL-22 pathway occurs in the muscle tissues of patients with polymyositis or dermatomyositis and is correlated with disease activity. *Rheumatology*, 53(7):1307-1312, 2014 (IF 4.67)
34. Fontana S., Flugy A., Schillaci O., Cannizzaro A., Gargano M.L., Saitta A., De Leo G., Venturella G. and **Alessandro R.** In vitro antitumor effects of the cold water extracts of Mediterranean species of genus pleurotus (higher basidiomycetes) on human colon cancer cells. *International Journal of medicinal mushrooms*, 16(1), 49-63, 2014 (IF 0.92)
35. Ciccía F., **Alessandro R.**, Rizzo A., Accardo-Palumbo A., Raimondo S., Raiata F., Guggino F., Giardina A.R., De Leo G., Sireci G., Triolo G. Macrophage phenotype in the subclinical gut inflammation of patients with ankylosing spondylitis. *Rheumatology*, 53(1):104-113, 2014 (IF 4.67)
36. Guggino G., Giardina A., Raimondo S., Giardina G., Dieli F., Sireci G., **Alessandro R.**, Triolo G. and Ciccía F. Targeting IL-6 signaling in early rheumatoid arthritis is followed by Th1 and Th17 suppression and Th2 expansion. *Clinical and Experimental Rheumatology*, 32(1):77-81, 2014 (IF 2.43)
37. Ciccía F., Accardo-Palumbo A., Rizzo A., Guggino G., Raimondo S., Giardina A.R., **Alessandro R.** and Triolo G. Evidence that autophagy, but not the unfolded protein response, regulates the expression of IL-23 in the gut of patients with ankylosing spondylitis and subclinical gut inflammation. *Annals of Rheumatic Disease*, 73(8):1566-1574, 2013 (IF 9.64)
38. Corrado C., Raimondo S., Chiesi A., Ciccía F., De Leo G., **Alessandro R.** Exosomes as intercellular signaling organelles involved in health and disease: basic science and clinical applications. *International Journal of Molecular Science*, 14, 5338-5366, 2013 (IF 2.86)
39. Ciccía F., **Alessandro R.**, Rodolico V., Guggino G., Raimondo S., Campisi G., Accardo-Palumbo A., De Leo G., Triolo G. IL-34 is over-expressed in the inflamed salivary glands of patients with Sjogren's syndrome and is associated with the local expansion of pro-inflammatory CD14<sup>(bright)</sup> CD16<sup>+</sup> monocytes. *Rheumatology*, 52(6), 1009-17, 2013 (IF 4.21)

40. Fontana S., Saieva L., Taverna S., and **Alessandro R.** Contribution of proteomic science in understanding the role of tumor-derived exosomes in cancer progression: state of the art and new perspectives. *Proteomics*, 13(10-11):1581-94, 2013 (IF 4.5)
41. Ciccia F, **Alessandro R.**, Rizzo A., Raimondo S., Giardina A.R., Raiata F., Boiardi L., Cavazza A., Guggino G., De Leo G., Salvarani C., Triolo G. IL-33 is over-expressed in the inflamed arteries of patients with giant cell arteritis. *Annals of Rheumatic Disease*, 72(2), 258-64, 2013 (IF 8.7)
42. Corrado C., Taverna S., Raimondo S., Flugy A., Guggino G., Karmali R., De Leo G., **Alessandro R.** Carboxyamidotriazole-orotate inhibits the growth of imatinib-resistant chronic myeloid leukemia cells and modulates exosomes-stimulated angiogenesis. *PlosOne*, 7 (8), e42310, 2012 (IF 4)
43. Pisani A., Imbraco M., Zizzo C., Albeggiani G., Colomba P., **Alessandro R.**, Iemolo F., Duro G. A classical phenotype of Anderson-Fabry disease in a female patient with intronic mutations of the GLA gene: a case report. *BMC Cardiovascular disorders*, 12, 39-44, 2012 (IF 2)
44. Ciccia F., Rizzo A., Accardo-Palumbo A., Bombardieri M., Guggino G., Taverna S., De Leo G., Giardina A.R., **Alessandro R.**, and Triolo G. Increased expression of interleukin-32 in the inflamed ileum of Ankylosing Spondylitis patients. *Rheumatology*, 51(11), 1966-1972, 2012 (IF 4.21)
45. Principe S., Kim Y., Fontana S., Ignatchenko V., Nyalwidhe J.O, Lance R.S., Troyer D.A., **Alessandro R.**, Semmes O.J., Kislinger T., Drake R.R., Medin J.A. Identification of prostate-enriched proteins by in-depth proteomic analyses of expressed prostatic secretions in urine. *Journal of Proteome Research*, 11(4), 2386-2396, 2012 (IF 5.460)
46. Yu M, Henning R, Walker A, Kim G, Perroy A, **Alessandro R**, Virador V, and Kohn EC. L-asparaginase inhibits invasive and angiogenic activity and induces autophagy in ovarian cancer. *Journal of Cellular and Molecular Medicine*, 15 (1), 33-45, 2012 (IF 4.608)
47. Ciccia F., Accardo-Palumbo A., **Alessandro R.**, Rizzo A., Principe S., Peralta S., Giardina A.M., De Leo G., and Triolo G. Interleukin-22 and IL-22-producing Nkp44+ NK cells in the subclinical gut inflammation of patients with Ankylosing Spondylitis. *Arthritis and Rheumatology*, 64(6):1869-78, 2012 (IF 8,435)
48. Mineo M, Garfield SH, Taverna S., Flugy A., De Leo G., **Alessandro R**, Kohn EC. Exosomes released by k562 chronic myeloid leukemia cells promote endothelial cell tubular differentiation through uptake and cell-to-cell transfer. *Angiogenesis* 15(1):33-45, 2012 (IF 6.188)
49. Ciccia F., Guggino G., Rizzo A., Ferrante A., Raimondo S., Giardina A.R., Dieli F., Campisi G., **Alessandro R.** and Triolo G. Potential involvement of IL-22 and IL-22-producing cells in the inflamed salivary glands of primary Sjogren syndrome. *Annals of Rheumatic Disease*, 71(2):295-301, 2012 (IF 9)
50. Taverna S., Flugy A.M., Saieva L., Kohn E.C., Santoro A., Meraviglia S., De Leo G. and **Alessandro R.** Role of exosomes released by chronic myeloid leukemia cells in angiogenesis. *International Journal of Cancer*, 130, 2033–2043, 2012 (IF 4,9)

51. Ciccia F., **Alessandro R.**, Rizzo A., Principe S., Raiata F., Cavazza A., Accardo Palombo A., Guggino G., Principato A., Giardina A., Ferrante A., De Leo G., Salvarani C., Triolo G. Expression of interleukin-32 in the inflamed arteries of patients with giant cell arteritis. *Arthritis and Rheumatology*, 63 (7), 2097-2104, 2011 (IF 8,435)
52. Corrado C, Raimondo S., Flugy A., Fontana S., Santoro A, Stassi G., Marfia A., Iovino F., Arlinghaus R., Kohn EC., De Leo G. and **Alessandro R.** Carboxamidotriazole inhibits cell growth of imatinib-resistant chronic myeloid leukaemia cells including T315I Bcr-Abl mutant by a redox-mediated mechanism. *Cancer Letters*, 300 205–214, 2011 (IF 4, 8)
53. Ciccia F., Accardo Palombo A., Giardina A., Principato A., Bombardieri M., **Alessandro R.**, Ferrante A., Peralta S., Tripodo C. Guarnotta C., Di Maggio P. Drago S., De Leo G., Triolo G. Expansion of intestinal cd4+cd25<sup>high</sup> Treg in patients with ankylosing spondylitis.. *Arthritis and Rheumatology*, 62 (10), 3625-3634, 2010 (IF 8,4)
54. Barranca M., Fontana F., Taverna S., Duro G., Zanella-Cleon I., Becchi M., De Leo G., and **Alessandro R.** Proteomic analysis of *Parietaria judaica* pollen and allergen profiling by an immunoproteomic approach. *Biotechnology Letters*, 32(4):565-570 2010 (IF 1,76)
55. **Alessandro R.**, Gallo A., Barranca M., Principe S., Duro G., Cassata G., Becchi M., Fontana S., and De Leo G. Production Of An Egg Yolk Antibody Against *Parietaria judaica* 2 Allergen. *Poultry Science*, 88(8), 1773-17738, 2009 (IF 1,58)
56. **Alessandro R.**, Fontana S. and De Leo G. Cancer Invasion and Metastasis: Discovering New Targets For Diagnosis and Therapeutics. *Current Signal Transduction Therapy*, 4 (3), 152-161, 2009 (IF 0,69)
57. Di Bella M. A., Carbone M. C., D'Amato M., **Alessandro R.**, De Leo G. The identification and localization of two intermediate filament proteins in the tunic of *Styela placata* (Tunicata, Styelidae). *Tissue & Cell*, 41(6), 381-389, 2009 (IF 1,69)
58. Delle Monache S., **Alessandro R.**, Iorio R., Gualtieri G., Colonna R. Extremely low frequency electromagnetic fields (ELF-EMFs) induce in vitro angiogenesis process in human endothelial cells. *Bioelectromagnetics*, 29(8):640-648, 2008 (IF: 2,29)
59. Taverna, S., Flugy A.M., Colomba P., Barranca M., De Leo G., and **Alessandro R.** Effects of *Parietaria judaica* pollen extract on human lung microvascular endothelial cells. *Biochem. Biophys. Res. Commun.*, 372/4, 644-649, 2008 (IF:2,855)
60. **Alessandro R.**, Fontana S., Giordano M., Corrado C., Colomba P., Flugy A.M., Santoro A., Kohn E.C., De Leo G. Effects of carboxamidotriazole on Imatinib-resistant chronic myeloid leukemia cells. *J. Cellular Phys.*, 215(1), 111-121, 2008 (IF:4)
61. Fontana S., **Alessandro R.**, Barranca M., Giordano M., Corrado C., Zanella-Cleon I., Becchi M., Kohn E.C. , and De Leo G. Comparative proteome profiling and functional analysis of chronic myelogenous leukemia cell lines. *Journal of Proteome Research*, 6(11), 4330-4342, 2007 (IF: 5,45)
62. **Alessandro R.**, Seidita G., Flugy A., Damiani F., M., Russo A., Corrado C., Colomba P., Gullotti L., Buettne R., Bruno L., and De Leo G. Role of S128R polymorphism of E-

- selectin in colon metastasis formation. *International Journal of Cancer*, 121(3), 528-535, 2007, (IF:4,9)
63. **Alessandro R.**, Di Bella M.A., Flugy A.M., Fontana S., Damiani F., Corrado C., Colomba P., Todaro M., Russo D., Kohn EC, and De Leo G. Comparative study of T84 and T84SF human colon carcinoma cells: *in vitro* and *in vivo* ultrastructural and functional characterization of cell culture and metastasis. *Virchow Arch.*, 449, 48-61, 2006 (IF:2,25)
64. **Alessandro R.**, Flugy A.M., Russo D., Stassi G., De Leo A., Corrado C., Alaimo G., and De Leo G. Identification and phenotypic characterization of a subpopulation of T84 human colon cancer cells, after selection on activated endothelial cells. *J. Cellular Phys.*, 203(1): 261-272, 2005 (IF:4)
65. **Alessandro R.**, Belluco C. and Kohn E.C. Proteomic approaches in colon cancer: promising tools for new cancer markers and drug targets discovery. *Clinical Colorectal Cancer*, 4(6), 396-402, 2005 (IF:2,72)
66. **Alessandro R.**, Fontana S., Kohn E.C. and De Leo G. Proteomic strategies and their application in cancer research. *Tumori*, 91, 447-455, 2005 (IF: 1)
67. Merkelbach-Bruse S., Volkmar H., Mathiak M., Sanguedolce R., **Alessandro R.**, Ruschoff J., Buttner R., and Gullotti L. Associations between polymorphisms in the thymidylate synthase gene, the expression of thymidylate synthase mRNA and the microsatellite instability phenotype of colorectal cancer. *Oncology Reports*, 11 (4), 839-843, 2004 (IF:1,56)
68. Di Bella M.A., Flugy A.M., Russo D., D'Amato M., De Leo G., and **Alessandro R.** Different phenotypes of colon carcinoma cells interacting with endothelial cells: role of E-selectin and ultrastructural data. *Cell. Tissue Res.*, 312, 55-64, 2003 (IF:2,6)
69. D'Amato M., Flugy A.M., Alaimo G., Bauder B., Kohn E.C, De Leo G., and **Alessandro R.** Role of calcium in E-selectin induced phenotype of T84 colon carcinoma cells. *Biochem. Biophys. Res. Commun.*, 301(4), 907-914, 2003 (IF:2,855).
70. Flugy A.M., D'Amato M., Russo D., Di Bella M.A., Kohn E.C, De Leo G., and **Alessandro R.** E-Selectin modulates the malignant properties of T84 colon carcinoma cells. *Biochem. Biophys. Res. Commun.*, 99, 1099-1106, 2002 (IF:2,855)
71. **Alessandro R.** and Kohn E. Signal transduction targets in invasion. *Clin. Exp. Metastasis.*, 19 (3), 265-273, 2002 (IF: 2, 52)
72. Retta S.F., Cassarà G., D'Amato M., **Alessandro R.**, Degani S., De Leo G., Silengo L. e Tarone G. Cross-Talk between  $\beta 1$  and  $\alpha v$  integrins: compensatory functions and transdominant regulation. *Molecular Biology Cell*, 12 (10), 3126-3138, 2001 (IF: 7,45 - Anno Rif. 2000)
73. Dolcemascolo G., **Alessandro R.**, Gianguzza M. Ultrastructural and cytochemical investigations on the formation of chorion in oocyte of *Ascidia malaca*. *J. Submicrosc. Cytol. Pathol.*, 33, 201-215, 2001 (IF:0,9)

74. Sanguedolce R., **Alessandro R.**, Gullotti L., De Leo G., Sanguedolce F., Vultaggio G., Diana G., Girello B., and Rausa L. Failure of detection of the tyrosine to histidine substitution at the residue 33 of thymidylate synthase in human colorectal cancer. A preliminary study. *Anticancer Res.*, 20, 4347-4350, 2000 (IF:1,48)
75. **Alessandro R.**, Masiero L., Lapidos K., Spoonster J. and Kohn E.C. Endothelial cell spreading on type IV collagen and spreading-induced FAK phosphorylation is regulated by Ca<sup>2+</sup> influx. *Biochem. Biophys. Res. Comm.*, 248,635-640,1998 (IF:2,855)
76. Pucci Minafra I., Andriolo M., Basirico' L., **Alessandro R.**, Luparello,C., Buccellato C.,Garbelli, R.,and Minafra S. Absence of regular  $\alpha_2(I)$  collagen chains in colon carcinoma biopsy fragments. *Carcinogenesis*,19, 575-584, 1998 (IF:5,36)
77. **Alessandro R.**, Pugnaroni A., Biagini G., and Kohn E. C. Regulation of cellular tyrosine phosphorylation by stimulatory and inhibitory muscarinic acetylcholine receptors Regulation of cellular tyrosine phosphorylation by stimulatory and inhibitory muscarinic acetylcholine receptors. *Exp.Cell Res.*, 234, 18-26, 1997 (IF:3,78)
78. Kohn E.C., **Alessandro R.**, and Felder C.C. Characterization of an m5 muscarinic receptor in A2058 human melanoma cells: coupling to inhibition of adenylyl cyclase and stimulation of phospholipase A2. *J. Biol. Chem*, 271, 17476-17484, 1996 (IF:7,66 – Anno Rif. 1995)
79. **Alessandro R.**, Masiero L., and Kohn E.C. The role of calcium in the regulation of invasion and angiogenesis. *In Vivo* 10, 153-160, 1996 (IF:1,27)
80. Kohn E.C., **Alessandro R.**, Spoonster J., Wersto R., and Liotta L.A. Angiogenesis, role of calcium-mediated signal transduction. *Proc. Natl. Acad. Sci USA*, 92, 1307-1311, 1995 (IF: 10,27 - Anno Rif. 1995)
81. Kohn E.C., Jacobs W., Kim Y.S., **Alessandro R.**, and Liotta L.A. Calcium influx modulates MMP-2 expression (72 kDa collagenase, Gelatinase A). *J. Biol. Chem.*, 234, 21505-21511, 1994 (IF: 7,66 - Anno Rif. 1995)
82. **Alessandro R.**, and Kohn E.C. Molecular Genetics of Cancer. Tumor invasion and Angiogenesis. *Cancer* 75, 1874-1877, 1995 (IF: 4,58)
83. **Alessandro R.**,Minafra S., Pucci Minafra I., Onisto M., Garbisa S., Melchiori A., Tetlow L., and Wolley D. Metalloproteinases and TIMP expression by the human breast carcinoma cell line 8701-BC. *Int. J. Cancer*, 55, 250-255, 1993 (IF:4,7)
84. **Alessandro R.**, Pucci Minafra I., and Giallongo A. Absence of reverse transcriptase activity in virus-like particles released by a breast carcinoma cell line (8701-BC). *J. Submicrosc. Cytol. Pathol.*, 22, 635-6636, 1990 (IF:0,9)
85. Pucci Minafra I., Minafra S., **Alessandro R** and Faccini A. M.. An ultrastructural evaluation of cell heterogeneity in invasive ductal carcinoma of the human breast. II. An in vitro study. *J. Submicrosc. Cytol.Pathol.*, 21, 489-499, 1989 (IF:0,9)



86. Pucci Minafra I., Minafra S., Faccini A. M., and **Alessandro R.** An ultrastructural evaluation of cell heterogeneity in invasive ductal carcinoma of the human breast. I. An in vivo study. *J. Submicrosc. Cytol. Pathol.*, 21, 475-488, 1989 (IF:0,9)

## Reviews su riviste Peer-reviewed

1. Seidita G., De Leo G. and **Alessandro R.** SELE (selectin E, endothelial adhesion molecule 1). *Atlas Genet Cytogenet Oncol Haematol.*, 13(4), 285-292, 2009
2. Fontana S., De Leo G., Sedic M., Pavelic K., and **Alessandro R.** Proteomics in antitumor research. *Drug Discovery Today: Technologies*, 3(4), 441-449, 2006

## Capitoli di libri Internazionali

1. **Alessandro R.**, Clair T. Liotta L.A., and Kohn E. The Cellular Microenvironment. In "Clinical Oncology. 3rd ed". M. Abeloff, J. Armitage, M. Kastan, J. Niederhuber, D. Meloni eds. WB Saunders Company, Philadelphia, USA, 2004
2. **Alessandro R.**, Savage S.A, Mikkelsen T., and Kohn E.C. Invasion and Angiogenesis: Translational Therapeutic Targets. In "Brain Tumor Invasion: Biological, Clinical and Therapeutic Considerations. Mikkelsen T., Bjerkvig R., Laerum O.D., and Rosenblum M.L. (eds). 415-434, 1998
3. **Alessandro R.**, Bicher A., and Kohn E.C. Tumor Invasion and Metastasis. In Young, Hoskins and Perez (eds): Principle and Practice of Gynecologic Oncology. Philadelphia, J. P., Lippincot Co. 2<sup>nd</sup> ed(4), 87-106, 1997
4. **Alessandro R.**, Spoonster J., Wersto R., and Kohn E.C. Signal Transduction as a Therapeutic Target. In "Current Topic in Microbiology and Immunology". Gunthert U., Schlag P.M., and Birchmeier W (eds). Springer-Verlag. 213/III, 167-188, 1996
5. **Alessandro R.**, and Kohn E.C. Metastasis and Cancer Prevention. In William & Wilkins 8eds) "Comprehensive textbook of oncology" vol 1 (5), 1-9, 1993

## Capitoli di libri Nazionali

1. Tarone G, De Filippi P, Fontana S, **Alessandro R**, De Leo G. Funzioni della membrana cellulare; cap. 2, pp 231-312. In: "Biologia e Genetica". Eds. De Leo G., Ginelli E., Fasano S. EdiSes, Napoli, 2013.
2. Di Bella MA, **Alessandro R**, Fontana S, Seidita G, De Leo G. Le basi dell'organizzazione biologica, cap. 2, pp 55-138. In: "Biologia e Genetica". Eds. De Leo G., Ginelli E., Fasano S. EdiSes, Napoli, 2013
3. **Alessandro R**, De Leo G. Genetica del Cancro; cap. 12, pp 591-606. In: "Biologia e Genetica". Eds. De Leo G., Ginelli E., Fasano S. EdiSes, Napoli, 2013
4. Barranca M., Fontana S., Taverna S., De Leo G., and **Alessandro R.** Application of an immunoproteomic approach to detect anti-profilin antibodies in sera of paritaria judaica

allergic patients. In “Medical Biotechnologies and Forensic Medicine Reviews. Ciaccio M. Midiri M., and Procaccianti P. (eds). 69-74, 2012

5. Tarone G, De Filippi P, Fontana S, **Alessandro R**, De Leo G. Funzioni della membrana cellulare; cap. 2, pp 231-312. In: “Biologia e Genetica”. Eds. De Leo G., Ginelli E., Fasano S. EdiSes, Napoli, 2008.
6. Di Bella MA, **Alessandro R**, Fontana S, Seidita G, De Leo G. Le basi dell’organizzazione biologica, cap. 2, pp 55-138. In: “Biologia e Genetica”. Eds. De Leo G., Ginelli E., Fasano S. EdiSes, Napoli, 2008
7. **Alessandro R**, De Leo G. Genetica del Cancro; cap. 12, pp 591-606. In: “Biologia e Genetica”. Eds. De Leo G., Ginelli E., Fasano S. EdiSes, Napoli, 2008
8. **Alessandro R.**, e De Leo G. Principi di Genetica in Oncologia, in “Chirurgia Oncologica”, ed. EDISES Palermo, 20-35, 2001