CURRICULUM VITAE

Nome: Ugo TESTA
Data di nascita:
Luogo di nascita:

Titoli di studio:

- Laurea in Medicina e Chirurgia con lode, conseguita nel 1977 presso l'Università di Napoli
- Specializzazione in Ematologia Clinica e di Laboratorio con lode, conseguita nel 1988 presso l'Università di Roma.

Attività di ricerca:

1972 Studente Interno presso l'Institut für Molekularbiologie, Universitat of Zurich (Prof. Ch. Weissman). Sequenziamento di RNA virale.

1973-1974 Studente interno presso l'Istituto di Biochimica, II Facoltà di Medicina e Chirurgia dell'Università di Napoli (Prof. Francesco De Lorenzo). Studio di mutanti batterici con alterazioni di una subunità dell'RNA polimerasi.

1975-1977 Studente interno presso l'Istituto Internazionale di Genetica e Biofisica, CNR, Napoli (Prof. Lucio Luzzatto).

1977 Tesi di Laurea sul polimorfismo genetico del deficit di glucosio-6-fosfato deidrogenasi in vari gruppi etnici.

1978-1984 **Ricercatore presso l'Unité de Recherches sur le Anemies, U-91 Inserm, Créteil, France (Prof. J. Rosa e J. Breton-Gorius).**

- Diagnosi prenatale delle emoglobinopatie
- Studio del differenziamento cellulare leucemico
- Analisi dei meccanismi cellulari e molecolari responsabili dell'espressione di antigeni"tumore-specifici" (Tn, i) in sindromi pre-leucemiche
- Studio dei meccanismi di controllo dell'espressione dei recettori della transferrina

1985-1986 **Ricercatore Ospite presso il Laboratorio di Ematologia ed Oncologia**

- Studio dell'espressione di oncogeni cellulari in cellule leucemiche umane
- Studio dell'emopoiesi umana embrionale e fetale

1987-1991 **Ricercatore di ruolo presso il Laboratorio di Ematologia ed Oncologia dell'istituto Superiore di Sanità**

- Studio dei meccanismi di controllo dell'espressione dei geni dell'emoglobina
- Analisi dei meccanismi molecolari attraverso i quali il ferro modula l'espressione del recettore della transferrina e della ferritina
- Purificazione delle cellule staminali e dei progenitori emopoietici umani normali

1991-2016 **Dirigente di ricerca presso il Laboratorio di Ematologia ed Oncologia dell'Istituto Superiore di Sanità e Direttore prima del Reparto di Oncologia Sperimentale e poi di Oncologia Medica**

- Studio dei meccanismi molecolari di controllo dell'ematopoiesi: studio dei fattori trascrizionali GATA-1, GATA-2, NFE-2 e Tal-1.
- Purificazione dei progenitori emopoietici ed allestimento di metodiche di colture "unilineage" di queste cellule.
- Studio dei meccanismi molecolari e cellulari attraverso i quali la proteina di fusione PML/RAR inibisce il differenziamento cellulare mieloide e protegge dall'apoptosi.
- Analisi dei meccanismi che mediano la ricostituzione del sistema ematopoietico dopo trapianto di cellule staminali autologhe: studio della produzione delle citochine endogene.
- Analisi dei meccanismi molecolari di controllo dell'espressione dei geni della ferritina.
- Studio del ruolo dei meccanismi apoptotici nel controllo dell'eritropoiesi.
- Analisi dei meccanismi cellulari e molecolari che controllano la differenziazione megacariocitaria, con particolare enfasi allo studio dei meccanismi di controllo della ploidia.
- Sviluppo di modelli cellulari per studiare gli effetti del VEGF su cellule emopoietiche umane.
- Identificazione delle cellule emopoietiche umane capaci di produrre VEGF ed altri fattori angiogenetici.
- Studio del rilascio in vivo di vari tipi di fattori angiogenetici in malattie cardiovascolari.
- Studio dell'espressione dei recettori dei fattori di creascita emopoietici durante la differenziazione emopoietica normale e leucemica.
- Analisi dell'espressione del recettore dell'interleuchina 3 nelle leucemie acute mieloidi: identificazione di un subset di leucemie

che iperesprimono la catena alfa del recettore dell'IL-3 e loro targeting in vitro ed in vivo utilizzando imnterleuchina-3 coniugata con tossina difterica.

- Ruolo del fattore trascrizionale PLZF nella differenziazione emopoietica normale e leucemica.
- Studio dei meccanismi cellulari e molecolari attraverso i quali gli inibitori del proteasoma ed alcuni triterpenoidi sintetici inducono apoptosi delle cellule di carcinomi ovarici e di leucemie mieloidi acute.
- Identificazione ed analisi delle capacità differenziative dei progenitori emangioblastici umani presenti nel sangue di cordone
- Studio dei progenitori emopoietici ed endoteliali nelle malattie polmonari croniche e nelle malattie cardiovascolari aterosclerotiche.
- Identificazione ed analisi dei meccanismi attraverso i quali alcuni fattori di crescita, in particolare lo Stem Cell Factor, inducono riattivazione della sintesi di emoglobina fetale in cellule umane eritroidi adulte: studi in soggetti normali e talassemici. Possibili applicazioni terapeutiche.
- I micro RNA: master regulators del differenziamento normale e leucemico.
- Studio del recettore 2 della Transferrin (TfR2): identificazione della localizzazione di questo recettore nei lipid rafts, del cell signaling originato dall'attivazione di questo recettore ed analisi della sua espressione nei tumori del sistema nervoso centrale e del colon.
- Partecipazione in qualità di principale sperimentatore a studi clinici oncologici implicanti o l'utilizzo di cellule linfocitarie autologhe coltivate in vitro (studi d'immunoterapia adottiva con IL-2) o l'utilizzo di test in vitro per predire la chemiosensibilità/chemioresistenza (studi clinici controllati basati sul test dell' "Extreme Drug Resistance").
- L'acido ascorbico ad alte dosi come induttore selettivo della morte nelle cellule leucemiche umane: suo possibile utilizzo in clinica.
- Studio dei meccanismi molecolari attraverso i quali il PML/RAR induce attivazione dei geni angiogenetici nelle cellule leucemiche.
- La salinomicina, un farmaco attivo contro le cellule staminali tumorali: studi preclinici.

Attività istituzionale

1987-2016 - Attività istituzionale in qualità di esperto di Oncologia nell'ambito della valutazione dei farmaci di nuova istituzione nel settore oncologico, con valutazione di oltre 500 domande di analisi di dossier di fase I/II. Supervisore della maggior parte delle richieste di sperimentazione clinica nel settore oncologico.

- Membro della Commissione di Comma c per la valutazione dei farmaci di nuova istituzione dal 2012 (dal 2012 al 2014; dal 2014 al 2016).

- Attività istituzionale in qualità di esperto di terapie cellulari e partecipazione alla stesura delle nuove linee guida.

- Attività istituzionale nell'ambito del monitoraggio degli studi di terapia genica.

Appartenenza ad organismi scientifici internazionali

- Membro dell'American Association for the Advancement of Science
- Membro della New York Academy of Science
- Membro dell'American Society of Hematology
- Membro dell'American Association for Cancer Research
- Membro dell'European School of Oncology e dell'European Society of Oncology
- Presente nell'elenco dei top scientists italiani

Pubblicazioni

Autore di più di 350 pubblicazioni su riviste a diffusione internazionale.
Autore di più di trenta pubblicazioni con più di 100 citazioni.
Indice H **63** su Google Scholar
Autore di vari libri scientifici a diffusione internazionale.

Reviewer di istituti scientifici

- Fondation Recherche Medicale, Paris, France
- ANR (Agence Nationale de Recherche), Paris, France
- INSERM, Paris, France
- INCa (Institut National du Cancer), Paris, France
- Leukemia Society, USA
- University of Padova (Padova, Italy)
- Lady Tata Foundation, UK
- Bloodwise Org., UK
- Fundaçao para a Ciencia e a Tecnologia, Portugal
- Helmholtz Foundation (Helmholtz-Gemeinschaft Deutscher Forscungszentren), Germania.

Reviewer di riviste scientifiche

- Blood
- British Journal of Haematology
- Oncogene
- Cell Death Differentiation
- Haematologica
- British Journal of Phamacology
- Journal of Immunology
- Stem Cells
- Biochemical Pharmacology
- Leukemia
- Cancer Research
- Clinical Cancer Research
- Oncotarget
- Cancers
- British Journal of Cancer
- Journal of Hematology and Oncology
- Journal of Biological Chemistry
- International Journal of Cancer
- Cell Stem Cell
- Leukemia Research
- Blood Cancer Journal
- Science
- Translational Science

Attività di tipo scientifico-manageriale

- Responsabile del gruppo di studio e di supporto laboratoristico allo studio sull'utilizzo del test dell' Extreme Drug Resistance nella terapia dei tumori, Programma Oncotecnologico
- Responsabile del gruppo di studio e di supporto laboratoristico allo studio sull'utilizzo dell'Interleuchina-2 nell'immunoterapia dei tumori, Programma Italia-USA sulla Terapia dei Tumori.
- Responsabile scientifico di progetti finanziati dall'associazione Italiana di Ricerca su Cancro, dal Ministero della Salute (Programma di Ricerca Speciale sulle Cellule Staminali, Progetto sulle Terapie Innovative in Oncologia).
- Direttore del reparto di Oncologia Sperimentale prima e poi di Oncologia Medica (dal 1991 al 2016) dell'Istituto Superiore di Sanità.

Attività di docenza

- Docente presso la scuola di specializzazione in Ematologia Clinica e di Laboratorio dell'Università Cattolica del Sacro Cuore, Roma (Direttore Prof. Leone)

- Docente presso Scuola Superiore di Oncologia e Scienze Biotecnologiche, Santa Margherita Ligure.
- Docente in corsi istituzionali relative ai farmaci di nuova istituzione presso Istituto Superiore di Sanità.
- Attività quale relatore o co-relatore nell'ambito di corsi di laurea in Scienze Biologiche, Medicina e Farmacia (tesi di laurea sperimentali effettuate presso il Reparto) e Dottorati di Ricerca In Patologia Generale.

ELENCO DELLE PUBBLICAZIONI del Dott. Ugo Testa

1. Pelosi E, Labbaye C, Castelli G, Testa U. Oxidative stress and hypoxia in normal and leukemic stem cells. **Exp Hematol** 2016; 44: 540-560.
2. Testa U, Saulle E, Castelli G, Pelosi E. Endothelial progenitor cells in hematologic malignancies. **Stem Cell Investigtion** 2016.
3. Testa U, Castelli G, Pelosi E. IL-3 receptor alpha chain is a biomarker and a therapeutic target of myeloid neoplasms. **J Mol Biomarkers & Diagnosis** 2016.
4. Saulle E, Petronelli A, Pelosi E, Coppotelli E, Pasquini L, Ilari R, Lo-Coco F, Testa U. PML-RAR alpha induces the downmodulation of HHEX: a key event responsible for the induction of an angiogenetic response. **J Hematol Oncol** 2016; 9:33.
5. Testa U, Lo-Coco F. Prognostic factors in acute promyelocytic leukemia: strategies to define high-risk patients. **Ann Hematol** 2016; 95: 673-680.
6. Pelosi E, Castelli G, Testa U. Targeting LSCs through membrane antigens selectively or preferentially expressed on these cells. **Blood Cells Mol Dis** 2015; 55: 336-346.
7. Testa U, Castelli G, Pelosi E. Experimental and investigational therapies for chemotherapy-induced anemia. **Expert Opin Invest Drugs** 2015; 24: 1433-1445.
8. Mastrangelo D, Massai L, Lo Coco F, Noguera NI, Borgia L, Fioritoni G, Berardi A, Iacone A, Muscettol M, Pelosi E, Castelli G, Testa U, Di Pisa F, Grasso G. Cytotoxic effect of high concentrations of sodium ascorbater on human myeloid cell lines. 2015; 94: 1807-1816. **Ann Hematol** 2015; 94: 1807-1816.
9. Paolillo R, Spinello I, Quaranta MT, Pasquini L, Pelosi E, Lo Coco F, Testa U, labbaye C. Human TM9SF4 is a new gene down-regulated by hypoxia and involved in cell adhesion of leukemic cells. **PLoS ONE** 10: e0126968.
10. Spinello I, Quaranta MT, Paolillo R, Pelosi E, Cerio AM, Saulle E, Lo Coco F, Testa U, Labbaye C. Differential hypoxic regulation of the microRNA-146a/CXCR4 pathway in normal and leukemic monocytic cells: impact on response to chemotherapy. **Haematologica** 2015; 100: 1160-1171.
11. Testa U, Lo-Coco F. Targeting of leukemia-initiating cells in acute promyelocytic leukemia. **Stem Cell Invest** 2015; in press.
12. Pannitteri G, Riccioni R, Mangieri E, Mariani G, Tanzilli G, Riti V, Barillà F, Testa U. Erythropoietin, hemoglobin and endothelial progenitor cell levels in patients with acute myocartdial infarction. **J Cardiovasc Dis** 2015; in press.
13. Riccioni R, Lulli V, Castelli G, Biffoni M, Tiberio R, Pelosi E, Lo-Coco F, Testa U. miR-21 is overexpressed in NPM1-mutant acute myeloid leukemia. **Leuk Res** 2015; 39: 221-228.
14. Cattaneo M, Pelosi E, Castelli G, Cerio AM, D'Angiò A, Porretti L, Rebulla P, Pavesi L, Russo G, Giordano A, Cicconi L, Lo-Coco F, Testa U, Biunno I. A miRNA signature in human cord blood stem and progenitor cells as potential biomarker of specific acute myeloid leukemia subtypes. **J Cell Physiol** 2015; 230: 1770-1780.
15. Castelli G, D'Angiò A, Grassi G, Costa V, Pasquini L, Tiberio R, Cerio AM, Testa U, Tripodi M, Pelosi E. Human cord blood-derived hemogenic endothelium generates mast cells. **Blood Cells Mol Dis** 2015; 54: 195-197.
16. Lulli V, Romania P, Morsilli O, Ilari R, Gabbianelli M, Testa U, Marziali G. SCF-mediated gamma-globin gene expression in adult human erythroid cells is associated with KLF1, BCL11A and SOX6 down-regulation. **Blood Cells Mol Dis** 2015; 54: 1-3.
17. Testa U, Pelosi E. MicroRNA expressed in hematopoietic stem/progenitor cells are deregulated in acute myeloid leukemias. **Leuk Lymphoma** 2015; 21:1-9.

18. Calzolari A, Saulle E, De Angelis ML, Pasquini L, Boe A, Pelacchi F, Ricci-Vitiani L, Baiocchi M, Testa U. Salinomycin potentiates the cytotoxic effects of TRAIL on glioblastoma cell lines. **PLoS ONE** 2014; 9: e94438.
19. Testa U, Pelosi E, Frankel A. CD123 is a membrane biomarker and a therapeutic target in hematologic malignancies. **Biomark Res** 2014; 2:4.
20. Pelosi E, Castelli G, Testa U. Endothelial progenitors. **Blood Cells Mol Dis** 2014; 52: 186-194.
21. Vian L, Di Carlo M, Pelosi E, Fazi F, Sanotoro S, Cerio AM, Boe A, Rotilio V, Billi M, Racanicchi S, Testa U, Grignani F, Nerci C. Transcriptional fine-tuning of microRNA-223 levels directs lineage choice of human hematopoietic progenitors. **Cell Death Differ** 2014; 21: 290-301.
22. Testa U, Pelosi E. The impact of FLT3 mutations on the development of acute myeloid leukemias. **Leuk Res Treat** 2013; 2013: 275760.
23. Pelosi A, Careccia S, Lulli V, Romania P, Marziali G, Testa U, Lavorgna S, Lo-Coco F, Petti MC, Calabretta B, Levrero M, Piaggio G, Rizzo MG. miRNA let-7c promotes granulocytic differentiation in acute myeloid leukemia. **Oncogene** 2013; 32: 3648-3654.
24. Lulli V, Romania P, Morsilli O, Cianciulli P, Gabbianelli M, Testa U, Giuliani A, Marziali G. Micro RNA-486-3p regulates gamma-globin expression in human erythroid cells by directly modulating BCL11A. **PLoS ONE** 2013; 8: e60436.
25. Pelosi E, Castelli G, Martin-Padura I, Bordoni V, Santoro S, Conigliaro A, Cerio AM, De Santis Puzzonia M, Marighetti P, Biffoni M, Alonzi T, Amicone L, Alacalay M, Bertolini F, Testa U, Tripodi M. Human hemato-endothelial precursors: cord blood CD34+ cells produce hemogenic endothelium. **PLoS ONE** 2012; 7: e51109.
26. Pelosi A, Careccia S, Lulli V, Romania P, Marziali G, Testa U, Lavorgna S, Lo-Coco F, Petti MC, Calabretta B, Levrero M, Paggio G, Rizzo MG. miRNA let-7c promotes granulocytic differentiation in acute myeloid leukemia. **Oncogene** 2012; doi:10.1038/onc.2012.398.
27. Spinello I, Quaranta MT, Riccioni R, Riti V, Pasquini L, Boe A, Pelosi E, Vitale A, Foa R, Testa U, Labbaye C. MicroRNA-146° and AMD3100, two ways to control CXCR4 expression in acute myeloid leukemias. **Blood Cancer J** 2011; 1: e26.
28. Saulle E, Guerriero R, Petronelli A, Coppotelli E, Gabbianelli M, Morsilli O, Spinello I, Pelosi E, Castelli G, Testa U, Coppola S. Autocrine role of angiopoietins during megakaryocytic differentiation. **PLoS ONE** 2012; 7: e39796.
29. Petrucci E, Pasquini L, Bernabei M, Saulle E, Biffoni M, Accarpio F, Sibio S, Di Giorgio A, Di Donato V, Casorelli A, Benedetti-Panici P, Testa U. A small molecule SMAC mimic LBW242 potentiates TRAIL and anticancer-mediated cell death of ovarian cancer cells. **PLoS ONE** 2012; 7: e35073.
30. Labbaye C, Testa U. The emerging role of miR-146° in the control of hematopoiesis, immune function and cancer. **J Hematol Oncol** 2012; 5: 13.
31. Pelosi E, Castelli G, Testa U. Human umbilical cord blood is a unique and safe source of variouds types of stem cells suitable for treatment of hematological diseases and for regenerative medicine. **Blood Cells Mol Dis** 2012; 49: 20-28.
32. Testa U. Colon cancer stem cells. **Advances in Cancer stem cell biology** 2012; 155-179.
33. Riccioni R, Pelosi E, Riti V, Catelli G, Lo-Coco F, Testa U. Immunophenotypic features of ascute myeloid leukaemia patients exhibiting high FLT3 expression not associated with mutations. **Brit J Haematol**, 2011; 153: 33-42..
34. Testa U. Leukemia stem cells. **Ann Hematol**, 2011; 90: 245-272.
35. Petronelli A, Pelosi E, Santoro S, Saulle E, Cerio AM, Mariani G, Labbaye C, Testa U. CDDO-Im is a stimulator of megakaryocytic differentiation. **Leuk Res**, 2011; 35: 534-544.
36. Bonsignore MR, Morici G, Riccioni R, Huertas A, Petrucci E, Veca M, Mariani G, Bonanno A, Chimenti L, Gioia M, Palange P, Testa U. Hemopoietic and angiogenetic progenitors in helthy atlete: different responses to endurance and maximal exercise. **J Apll Physiol** 2010; 109: 60-67.
37. Riccioni R, Dupuis ML, Bernabei M, Petrucci E, Pasquini L, Mariani G, Cianfriglia M, Testa U. The cancer stem cell selective inhibitor salinomycin is a p-glycoprotein inhibitor. **Blood Cells Mol Dis** 2010; 45: 86-92.

38. Lulli V, Romania P, Riccioni R, Boe A, Lo-Coco F, Testa U, Marziali G. Transcriptional silencing of Ets-1 oncogene contributes to human granulocytic differentiation. **Haematologica** 2010, 95: 1633-1641.

39. Gabbianelli M, Testa U, Morsilli O, Pelosi E, Saulle E, Petrucci E, Castelli E, Giovinazzi S, Mariani G, Fiori ME, Bonanno G, Massa A, Fontana L, Croce CM, Peschle C. Mechanism of human switching: a possible role of the kit receptor/miR 221-222 complex. **Haematologica**, 2010, 95: 1253-1260.

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41. Calzolari A, Larocca LM, Deaglio S, Finisguerra V, Boe A, Raggi C, Ricci-Vitani L, Pierconti F, Malavasi F, De Maria R, Testa U, Pallini R. Transferrin recetpor 2 is frequently and highly expressed in glioblastomas. **Transl Oncology** 2010, 3: 123-134.

42. Testa U. Erythropoietic stimulating agents. **Exper Opin Emerg Drugs** 2010; 15: 119-138.

43. Briguori C, Testa U, Riccioni R, Colombo A, Petruci E, Condorelli G, Mariani G, D'Andrea D, DeMicco F, Rivera NV, Puca AA, Peschle C, Condorelli G. Correlations between progression of coronary artery disease and circulating endothelial progenitor cells. **FASEB J** 2010; 24: 1981-1988.

44. Huertas A, Testa U, Riccioni R, Petrucci E, Riti V, Savi D, Serra P, Bonsignore MR, Palange P. Bone marrow-derived progenitors are greatly reduced in patients with severe COPD and low-BMI. **Respir Physiol Neurobiol** 2010; 28: 4034-4040.

45. Careccia S, Mainardi S, Pelosi A, Gurtner A, Diverio D, Riccioni R, Testa U, Pelosi E, Piaggio G, Sacchi A, Lavorgna S, lo-Coco F, Blandino G, Levrero M, Rizzo MG. A restricted signature of miRNAs distinguishes APL blasts from normal promyelocytes. **Oncogene** 2009; 28: 4034-4040.

46. Petronelli A, Pannitteri G, Testa U. Triterpenoids as new promising anticancer drugs. **Anticancer Drugs** 2009; 20: 880-892.

47. Calzolari A, Deaglio S, Maldi E, Cassoni P, Malavasi F, Testa U. TfR2 expression in human ciolon carcinomas. **Blood Cells Mol Dis** 2009; 43: 243-249.

48. Testa U. Proteasome inhibitors in cancer therapy. **Curr Drug Targets** 2009; 10: 968-981.

49. Pelosi E, Labbaye C, Testa U. MicroRNAs in normal and malignant myelopoiesis. **Leuk Res** 2009; 33: 1584-1593.

50. Testa U. Physiopathology and possible clinical use of hematopoietic stem cells. Recent advances. **Recenti Prog Med** 2009; 100: 144-155.

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52. Pasquini L, Petronelli A, Petrucci E, Saulle E, Mariani G, Scambia G, Benedetti-Panici P, Greggi S, Cognetti F, Testa U. Primary ovarian cancer cells are sensitive to the pro-apoptotic effects of proteasome inhibitors. **Int J Oncol**, 2010; 36: 707-713.

53. Petronelli A, Saulle E, Pasquini L, Petrucci E, Mariani G, Biffoni M, Ferretti G, Scambia G, Benedetti-Panici P, Greggi S, Cognetti F, Russo MA; Sporn M, Testa U. High sensitivity of ovarian cancer cells to the synthetic triterpenoid CDDO-Imidazolide. **Cancer Lett**, 2009; 282: 214-228.

54. Rutella S, Bonanno G, Procoli A, Mariotti A, Corallo M, Perillo A, Prisco MG, Eramo A, Napoletano C, Gallo D, Nuti M, Pierelli L, Testa U, Scambia G, Ferrandina G. Cells with characteristics of cancer stem/progenitor cells express the CD133 antigen in human endometrial tumors, **Clin Cancer Res**, 2009; 15: 4299-4311.

55. Saulle E, Riccioni R, Coppola S, Parolini I, Diverio D, Riti V, Mariani G, Laufer S, Sargiacomo M, Testa U. Colocalization of the VEGF-R2 and the common IL-3/GM-CSF receptor beta chain to lipid rafts leads to enhanced p38 activation. **Brit J Haematol**, 2009; 145: 399-411.

56. Riccioni R, Diverio D, Riti V, Buffolino S, Mariani G, Boe A, Cedrone M, Ottone T, Foà R, Testa U. Interleukin (IL)-3/granulocyte macrophage-colony stimulating factor/IL-5 receptor alpha and beta chains are preferentially expressed in acute myeloid leukaemias with mutated FMS-related tyrosine kinase 3 receptor. **Br J Haematol.** 2009 Feb;144(3):376-387.

57. Calzolari A, Finisguerra V, Oliviero I, Deaglio S, Mariani G, Malavasi F, Testa U. Regulation of transferrin receptor 2 in human cancer cell lines. **Blood Cells Mol Dis**. 2009 Jan-Feb;42(1):5-13.

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59. Testa U, Pannitteri G, Condorelli GL. Vascular endothelial growth factors in cardiovascular medicine. **J Cardiovasc Med** 2008 9: 1190-1221.
60. Labbaye C, Spinello I, Quaranta MT, Pelosi E, Pasquini L, Petrucci E, Biffoni M, Nuzzolo ER, Billi M, Foà R, Brunetti E, Grignani F, Testa U, Peschle C. A three-step pathway comprising PLZF/miR-146a/CXCR4 controls megakaryopoiesis. **Nature Cell Biology.** 2008 Jul;10(7):788-801.
61. Moret V, Laras Y, Cresteil T, Aubert G, Q Ping D, Di C, Barthélémy-Requin M, Béclin C, Peyrot V, Allegro D, Rolland A, De Angelis F, Gatti E, Pierre P, Pasquini L, Petrucci E, Testa U, Kraus JL. Discovery of a new family of bis-8-hydroxyquinoline substituted benzylamines with pro-apoptotic activity in cancer cells: Synthesis, structure-activity relationship, and action mechanism studies. **Eur J Med Chem.** 2008 Apr 10.
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64. Riccioni R, Senese M, Diverio D, Riti, Buffolino S, Mariani G, Boe A, Lo-Coco F, Foà R, Peschle C, Sporn M, Testa U. Resistance of acute myeloid leukemic cells to the triterpenoid CDDO-imidazolide is associated with low caspase-8 and FADD levels. **Leuk Res** 32:1244-1258, 2008.
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66. Testa U. Membrane tyrosine kinase receptors are an important target for the therapy of acute myeloid leukemia. **Current Therapy Reviews** 2007.
67. Testa U. Biology of erythropoietin. In Recombinant Human Erythropoietin in Clinical Oncology: scientific and clinical aspects of Anemia in Cancer. Nowrousian MR Ed., Spriger Verlag, IInd Edition, 1-87, 2007.
68. Mainardi S, Pelosi A, Palescandolo E, Riccioni R, Fontemaggi G, Diverio D, Testa U, Sacchi A, Grignani F, Lo-Coco F, Levrero M, Blandino G, Rizzo MG. DeltaN-p73 is a transcriptional target of the PML/RARalpha oncogene in myeloid differentiation. **Cell Death Differ** 14:1968-1971, 2007.
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