

1. Bruno A, Pagani A, Magnani E, Rossi T, Noonan DM, Cantelmo AR, Albini A. Inflammatory angiogenesis and the tumor microenvironment as targets for cancer therapy and prevention. *Cancer Treat Res.* 2014;159:401-26.
2. Puccio G, Brambilla P, Conti M, Bartolini D, Noonan D, Albini A. Surface-activated chemical ionization-electrospray mass spectrometry in the analysis of urinary thiodiglycolic acid. *Rapid Commun Mass Spectrom.* 2013 Feb 15;27(3):476-80.
3. Bruno A, Focaccetti C, Pagani A, Imperatori AS, Spagnoletti M, Rotolo N, Cantelmo AR, Franzì F, Capella C, Ferlazzo G, Mortara L, Albini A, Noonan DM. The proangiogenic phenotype of natural killer cells in patients with non-small cell lung cancer. *Neoplasia.* 2013 Feb;15(2):133-42.
4. Amaro AA, Esposito AI, Mirisola V, Mehilli A, Rosano C, Noonan DM, Albini A, Pfeffer U, Angelini G. Endocrine disruptor agent Nonyl phenol exerts an estrogen-like transcriptional activity on estrogen receptor positive breast cancer cells. *Curr Med Chem.* 2013;in press.
5. Solinas M, Massi P, Cantelmo A, Cattaneo M, Cammarota R, Bartolini D, Cinquina V, Valenti M, Vicentini L, Noonan D, Albini A, Parolaro D. Cannabidiol Inhibits Angiogenesis by Multiple Mechanisms. *Br J Pharmacol.* 2012 May 25;167(6):1218-31.
6. Sogno I, Conti M, Consonni P, Noonan DM, Albini A. Surface-activated chemical ionization-electrospray ionization source improves biomarker discovery with mass spectrometry. *Rapid Commun Mass Spectrom.* 2012 May 30;26(10):1213-8.
7. Albini A, Tosetti F, Li VW, Noonan DM, Li WW. Cancer prevention by targeting angiogenesis. *Nat Rev Clin Oncol.* 2012 Aug 14;9(9):498-509.
8. Albini A, Noonan DM. Angiopoietin2 and tie2: tied to lymphangiogenesis and lung metastasis. New perspectives in antimetastatic antiangiogenic therapy. *J Natl Cancer Inst.* 2012 Mar 21;104(6):429-31.
9. Albini A, Donatelli F, Noonan D, D'Elios MM, Prisco D. Bringing new players into the field: onco-pharmacovigilance in the era of cardio-oncology. *Intern Emerg Med.* 2012 Apr;7(2):99-101.
10. Albini A, Donatelli F, Focaccetti C, D'Elios MM, Noonan DM. Renal dysfunction and increased risk of cardiotoxicity with trastuzumab therapy: a new challenge in cardio-oncology. *Intern Emerg Med.* 2012 Oct;7(5):399-401.
11. Noonan DM, Ventura A, Bruno A, Pagani A, Albini A. The Angiogenic Switch: Role of Immune Cells. In: Wang E, Marincola F, editors. *Immunologic Signatures of Rejection.* New York, NY: Springer; 2011. p. 57-75.
12. Noonan DM, Sogno I, Albini A. Plants and plant-derived products as cancer chemopreventive agents. In: Bagetta G, Cosentino M, Corasaniti MT, Sakurada S, editors. *Herbal Medicines: Development and Validation of Plant-derived Medicines for Human Health.* ISBN-10: 1439837686
ISBN-13: 9781439837689: CRC Press Inc; 2011. p. 285-306.
13. Molteni LP, Cergnul M, Scaglietti U, Noonan DM, Bucci EO, Gottardi O, Albini A.

Response to the letter to the editor. *Breast J.* 2011 Sep;17(5):566-7.

14. Grimaldi A, Banfi S, Vizioli J, Tettamanti G, Noonan DM, de Eguileor M. Cytokine Loaded Biopolymers as a Novel Strategy to Study Stem Cells during Wound-Healing Processes. *Macromol Biosci.* 2011 Aug 11;11(8):1008-19.
15. Ferrari N, Tosetti F, De Flora S, Donatelli F, Sogno I, Noonan DM, Albini A. Diet-derived phytochemicals: from cancer chemoprevention to cardio-oncological prevention. *Curr Drug Targets.* 2011 Dec 1;12(13):1909-24.
16. Albini A, Donatelli F, Sessa F, Noonan D, Tosetti F. Response: Re: Neurocognitive Functioning in Adult Survivors of Childhood Noncentral Nervous System Cancers. *J Natl Cancer Inst.* 2011;103(7):608-9.
17. Albini A, Cesana E, Noonan DM. Cancer stem cells and the tumor microenvironment: soloists or choral singers. *Curr Pharm Biotechnol.* 2011 Feb 1;12(2):171-81.
18. Albini A, Cesana E, Donatelli F, Cammarota R, Bucci EO, Baravelli M, Anza C, Noonan DM. Cardio-oncology in targeting the HER receptor family: the puzzle of different cardiotoxicities of HER2 inhibitors. *Future Cardiol.* 2011 Sep;7(5):693-704.
19. Acquati F, Bertilaccio S, Grimaldi A, Monti L, Cinquetti R, Bonetti P, Lualdi M, Vidalino L, Fabbri M, Sacco MG, van Rooijen N, Campomenosi P, Vigetti D, Passi A, Riva C, Capella C, Sanvito F, Doglioni C, Gribaldo L, Macchi P, Sica A, Noonan DM, Ghia P, Taramelli R. Microenvironmental control of malignancy exerted by RNASET2, a widely conserved extracellular RNase. *Proc Natl Acad Sci U S A.* 2011 Jan 18;108(3):1104-9.
20. Sogno I, Vene R, Ferrari N, De Censi A, Imperatori A, Noonan DM, Tosetti F, Albini A. Angioprevention with fenretinide: targeting angiogenesis in prevention and therapeutic strategies. *Crit Rev Oncol Hematol.* 2010 Jul;75(1):2-14.
21. Noonan DM, Pennesi G, Albini A. Invasion and Metastasis. In: Bagley RG, editor. *The Tumor Microenvironment.* New York, NY: Springer Science+Business Media; 2010. p. 213-28.
22. Molteni LP, Rampinelli I, Cergnul M, Scaglietti U, Paino AM, Noonan DM, Bucci EO, Gottardi O, Albini A. Capecitabine in breast cancer: the issue of cardiotoxicity during fluoropyrimidine treatment. *Breast J.* 2010 Sep-Oct;16 Suppl 1:S45-8.
23. Grimaldi A, Banfi S, Bianchi C, Gabriella G, Tettamanti G, Noonan DM, Valvassori R, de Eguileor M. The leech: a novel invertebrate model for studying muscle regeneration and diseases. *Curr Pharm Des.* 2010;16(8):968-77.
24. Cantelmo AR, Cammarota R, Noonan DM, Focaccetti C, Comoglio PM, Prat M, Albini A. Cell delivery of Met docking site peptides inhibit angiogenesis and vascular tumor growth. *Oncogene.* 2010 Sep 23;29(38):5286-98.
25. Cammarota R, Bertolini V, Pennesi G, Bucci EO, Gottardi O, Garlanda C, Laghi L, Barberis MC, Sessa F, Noonan DM, Albini A. The tumor microenvironment of colo-rectal cancer; stromal TLR-4 expression as a potential prognostic marker. *J Transl Med.* 2010 Nov 8;8(1):112.
26. Albini A, Pennesi G, Donatelli F, Cammarota R, De Flora S, Noonan DM. Cardiotoxicity of anticancer drugs: the need for cardio-oncology and cardio-oncological prevention. *J Natl*

Cancer Inst. 2010 Jan 6;102(1):14-25.

27. Albini A, Noonan DM. The 'chemoinvasion' assay, 25 years and still going strong: the use of reconstituted basement membranes to study cell invasion and angiogenesis. *Curr Opin Cell Biol.* 2010 Oct;22(5):677-89.
28. Albini A, Mussi V, Parodi A, Ventura A, Principi E, Tegami S, Rocchia M, Francheschi E, Sogno I, Cammarota R, Finzi G, Sessa F, Noonan DM, Valbusa U. Interactions of single-wall carbon nanotubes with endothelial cells. *Nanomedicine.* 2010 Apr;6(2):277-88.
29. Albini A, Magnani E, Noonan DM. The tumor microenvironment: biology of a complex cellular and tissue society. *Q J Nucl Med Mol Imaging.* 2010 Jun;54(3):244-8.
30. Albini A, Indraccolo S, Noonan DM, Pfeffer U. Functional genomics of endothelial cells treated with anti-angiogenic or angiopreventive drugs. *Clin Exp Metastasis.* 2010 Aug;27(6):419-39.
31. Tosetti F, Noonan DM, Albini A. Metabolic regulation and redox activity as mechanisms for angioprevention by dietary phytochemicals. *Int J Cancer.* 2009 Nov 1;125(9):1997-2003.
32. Sogno I, Vannini N, Lorusso G, Cammarota R, Noonan DM, Generoso L, Sporn MB, Albini A. Anti-angiogenic activity of a novel class of chemopreventive compounds: oleanic acid terpenoids. *Recent Results Cancer Res.* 2009;181:209-12.
33. Pfeffer U, Romeo F, Noonan DM, Albini A. Prediction of breast cancer metastasis by genomic profiling: where do we stand? *Clin Exp Metastasis.* 2009;26(6):547-58.
34. Lorusso G, Vannini N, Sogno I, Generoso L, Garbisa S, Noonan DM, Albini A. Mechanisms of Hyperforin as an anti-angiogenic angioprevention agent. *Eur J Cancer.* 2009 May;45(8):1474-84.
35. Grimaldi A, Banfi S, Gerosa L, Tettamanti G, Noonan DM, Valvassori R, de Eguileor M. Identification, isolation and expansion of myoendothelial cells involved in leech muscle regeneration. *PLoS One.* 2009;4(10):e7652.
36. Albini A, Brigati C, Ventura A, Lorusso G, Pinter M, Morini M, Mancino A, Sica A, Noonan DM. Angiostatin anti-angiogenesis requires IL-12: The innate immune system as a key target. *J Transl Med.* 2009 Jan 14;7(1):5.
37. Abbadessa G, Accolla R, Aiuti F, Albini A, Aldovini A, Alfano M, Antonelli G, Bartholomew C, Bentwich Z, Bertazzoni U, Berzofsky JA, Biberfeld P, Boeri E, Buonaguro L, Buonaguro FM, Bukrinsky M, Burny A, Caruso A, Cassol S, Chandra P, Ceccherini-Nelli L, Chieco-Bianchi L, Clerici M, Colombini-Hatch S, de Giuli Morghen C, de Maria A, de Rossi A, Dierich M, Della-Favera R, Dolei A, Douek D, Erfle V, Felber B, Fiorentini S, Franchini G, Gershoni JM, Gotch F, Green P, Greene WC, Hall W, Haseltine W, Jacobson S, Kallings LO, Kalyanaraman VS, Katinger H, Khalili K, Klein G, Klein E, Klotman M, Klotman P, Kotler M, Kurth R, Lafeuillade A, La Placa M, Lewis J, Lillo F, Lisziewicz J, Lomonico A, Lopalco L, Lori F, Lusso P, Macchi B, Malim M, Margolis L, Markham PD, McClure M, Miller N, Mingari MC, Moretta L, Noonan D, O'Brien S, Okamoto T, Pal R, Palese P, Panet A, Pantaleo G, Pavlakis G, Pistello M, Plotkin S, Poli G, Pomerantz R, Radaelli A, Robertguroff M, Roederer M, Sarngadharan MG, Schols D, Secchiero P, Shearer G, Siccardi A, Stevenson M, Svoboda J,

- Tartaglia J, Torelli G, Tornesello ML, Tschachler E, Vaccarezza M, Vallbracht A, van Lunzen J, Varnier O, Vicenzi E, von Melchner H, Witz I, Zagury D, Zagury JF, Zauli G, Zipeto D. Unsung hero Robert C. Gallo. *Science*. 2009 Jan 9;323(5911):206-7.
38. Vannini N, Pfeffer U, Lorusso G, Noonan DM, Albini A. Endothelial cell aging and apoptosis in prevention and disease: E-selectin expression and modulation as a model. *Curr Pharm Des*. 2008;14(3):221-5.
39. Paleari L, Vannini N, Lorusso G, Stigliani S, Puppo P, Noonan DM, Albini A. Role of angiogenesis and inflammation in prostate cancer development: Targets for therapy and prevention. In: Maragoudakis ME, Papadimitriou E, editors. *Angiogenesis: Basic Science and Clinical Applications*. Trivandrum, India: Transworld Research Network; 2008.
40. Noonan DM, De Lerma Barbaro A, Vannini N, Mortara L, Albini A. Inflammation, inflammatory cells and angiogenesis: decisions and indecisions. *Cancer Metastasis Rev*. 2008 Mar;27(1):31-40.
41. Monti L, Rudolfo M, Lo Russo G, Noonan D, Acquati F, Taramelli R. RNASSET2 as a tumor antagonizing gene in a melanoma cancer model. *Oncol Res*. 2008;17(2):69-74.
42. Grimaldi A, Bianchi C, Greco G, Tettamanti G, Noonan DM, Valvassori R, de Eguileor M. In vivo isolation and characterization of stem cells with diverse phenotypes using growth factor impregnated biomatrices. *PLoS ONE*. 2008;3(4):e1910.
43. Faggioli F, Soldati S, Scanziani E, Cato EM, Adorni F, Vezzoni P, Noonan DM, Sacco MG. Effects of IL-12 gene therapy on spontaneous transgenic and transplanted breast tumors. *Breast Cancer Res Treat*. 2008 Jul;110(2):223-6.
44. Vene R, Arena G, Poggi A, D'Arrigo C, Mormino M, Noonan DM, Albini A, Tosetti F. Novel cell death pathways induced by N-(4-hydroxyphenyl)retinamide: therapeutic implications. *Mol Cancer Ther*. 2007 Jan;6(1):286-98.
45. Vannini N, Lorusso G, Cammarota R, Barberis M, Noonan DM, Sporn MB, Albini A. The synthetic oleanane triterpenoid, CDDO-methyl ester, is a potent antiangiogenic agent. *Mol Cancer Ther*. 2007 Dec;6(12):3139-46.
46. Noonan DM, Benelli R, Albini A. Angiogenesis and cancer prevention: a vision. *Recent Results Cancer Res*. 2007;174:219-24.
47. Mortara L, Giuliani L, De Lerma Barbaro A, Accolla RS, Noonan DM. Experimental therapeutic approaches to adenocarcinoma: the potential of tumor cells engineered to express MHC class II molecules combined with naked DNA interleukin-12 gene transfer. *Surg Oncol*. 2007 Dec;16 Suppl 1:S33-6.
48. Larghero P, Vene R, Minghelli S, Travaini G, Morini M, Ferrari N, Pfeffer U, Noonan DM, Albini A, Benelli R. Biological assays and genomic analysis reveal lipoic acid modulation of endothelial cell behavior and gene expression. *Carcinogenesis*. 2007 May;28(5):1008-20.
49. Indraccolo S, Pfeffer U, Minuzzo S, Esposito G, Roni V, Mandruzzato S, Ferrari N, Anfosso L, Dell'eva R, Noonan DM, Chieco-Bianchi L, Albini A, Amadori A. Identification of Genes Selectively Regulated by IFNs in Endothelial Cells. *J Immunol*. 2007 Jan 15;178(2):1122-35.
50. Dell'Eva R, Ambrosini C, Minghelli S, Noonan DM, Albini A, Ferrari N. The Akt inhibitor

deguelin, is an angiopreventive agent also acting on the NF-kappaB pathway. *Carcinogenesis*. 2007 Feb;28(2):404-13.

51. Albini A, Noonan DM, Ferrari N. Molecular pathways for cancer angioprevention. *Clin Cancer Res*. 2007 Aug 1;13(15 Pt 1):4320-5.
52. Albini A, Fassina G, Nicolo M, Dell'eva R, Vene R, Cammarota R, Barberis M, Noonan DM. Inhibition of a vascular ocular tumor growth by IL-12 gene transfer. *Clin Exp Metastasis*. 2007;24(7):485-93.
53. Tosetti F, Noonan DM, Albini A. Choking hypoxia-inducible factor 1 alpha: a novel mechanism for connective tissue growth factor inhibition of angiogenesis. *J Natl Cancer Inst*. 2006 Jul 19;98(14):946-8.
54. Tettamanti G, Malagoli D, Benelli R, Albini A, Grimaldi A, Perletti G, Noonan DM, de Eguileor M, Ottaviani E. Growth factors and chemokines: a comparative functional approach between invertebrates and vertebrates. *Curr Med Chem*. 2006;13(23):2737-50.
55. Sangiorgi S, Congiu T, Manelli A, Dell'Eva R, Noonan DM. The three-dimensional microvascular architecture of the human Kaposi sarcoma implanted in nude mice: A SEM corrosion casting study. *Microvasc Res*. 2006 Nov;72(3):128-35.
56. Paleari L, Trombino S, Falugi C, Gallus L, Carlone S, Angelini C, Sepcic K, Turk T, Faimali M, Noonan DM, Albini A. Marine sponge-derived polymeric alkylpyridinium salts as a novel tumor chemotherapeutic targeting the cholinergic system in lung tumors. *Int J Oncol*. 2006 Dec;29(6):1381-8.
57. Cantarella G, Risuglia N, Dell'eva R, Lempereur L, Albini A, Pennisi G, Scoto GM, Noonan DM, Bernardini R. TRAIL inhibits angiogenesis stimulated by VEGF expression in human glioblastoma cells. *Br J Cancer*. 2006 May 22;94(10):1428-35.
58. Benelli R, Lorusso G, Albini A, Noonan DM. Cytokines and chemokines as regulators of angiogenesis in health and disease. *Curr Pharm Des*. 2006;12(24):3101-15.
59. Benelli R, Frumento G, Albini A, Noonan DM. Models of Inflammatory Processes in Cancer. In: Stevenson CS, Marshall LA, Morgan DW, editors. *In vivo Models of Inflammation*. 2nd Edition ed. Basel: Birkhäuser Verlag AG; 2006. p. 83-102.
60. Albini A, Dell'Eva R, Vene R, Ferrari N, Buhler DR, Noonan DM, Fassina G. Mechanisms of the antiangiogenic activity by the hop flavonoid xanthohumol: NF-kappaB and Akt as targets. *Faseb J*. 2006 Mar;20(3):527-9.
61. Pfeffer U, Ferrari N, Dell'eva R, Indraccolo S, Morini M, Noonan DM, Albini A. Molecular mechanisms of action of angiopreventive anti-oxidants on endothelial cells: Microarray gene expression analyses. *Mutat Res*. 2005 Dec 11;591(1-2):198-211.
62. Paleari L, Brigati C, Anfosso L, Dell'Eva R, Albini A, Noonan DM. Anti-angiogenesis in Search of Mechanisms: Angiostatin as a Prototype. In: Weber GF, editor. *Cancer Therapy: Molecular Targets in Tumor-Host Interactions*. Norfolk: Horizon Scientific Press; 2005. p. 143-68.
63. Noonan DM, Severino A, Morini M, Tritarelli A, Manente L, D'Agnano I, Starace G, Baldi A, Lombardi D, Albini A, Felsani A, Paggi MG. In vitro and in vivo tumor growth inhibition by a p16-mimicking peptide in p16(INK4A)-defective, pRb-positive human melanoma cells. *J*

Cell Physiol. 2005 Mar;202(3):922-8.

64. Margheri F, D'Alessio S, Serrati S, Pucci M, Del Rosso A, Benelli R, Ferrari N, Noonan D, Albini A, Fibbi G, Del Rosso M. The urokinase-type plasminogen activator, its receptor and u-PA inhibitor type-1 affect in vitro growth and invasion of Kaposi's sarcoma and capillary endothelial cells: role of HIV-Tat protein. *Int J Oncol.* 2005;27(1):223-35.
65. Ferrari N, Pfeffer U, Dell'Eva R, Ambrosini C, Noonan DM, Albini A. The transforming growth factor-beta family members bone morphogenetic protein-2 and macrophage inhibitory cytokine-1 as mediators of the antiangiogenic activity of N-(4-hydroxyphenyl)retinamide. *Clin Cancer Res.* 2005 Jun 15;11(12):4610-9.
66. Bachmeier BE, Vene R, Iancu CM, Pfeffer U, Mayer B, Noonan D, Albini A, Jochum M, Nerlich AG. Transcriptional control of cell density dependent regulation of matrix metalloproteinase and TIMP expression in breast cancer cell lines. *Thromb Haemost.* 2005 Apr;93(4):761-9.
67. Bachmeier BE, Albini A, Vene R, Benelli R, Noonan D, Weigert C, Weiler C, Lichtinghagen R, Jochum M, Nerlich AG. Cell density-dependent regulation of matrix metalloproteinase and TIMP expression in differently tumorigenic breast cancer cell lines. *Exp Cell Res.* 2005 Apr 15;305(1):83-98.
68. Albini A, Tosetti F, Benelli R, Noonan DM. Tumor inflammatory angiogenesis and its chemoprevention. *Cancer Res.* 2005 Dec 1;65(23):10637-41.
69. Albini A, Noonan DM. Rescuing COX-2 Inhibitors From the Waste Bin [Letter]. *J Natl Cancer Inst.* 2005;97(11):859-60.
70. Zacchigna S, Zentilin L, Morini M, Dell'Eva R, Noonan DM, Albini A, Giacca M. AAV-mediated gene transfer of tissue inhibitor of metalloproteinases-1 inhibits vascular tumor growth and angiogenesis in vivo. *Cancer Gene Ther.* 2004 Jan;11(1):73-80.
71. Scapini P, Morini M, Tecchio C, Minghelli S, Di Carlo E, Tanghetti E, Albini A, Lowell C, Berton G, Noonan DM, Cassatella MA. CXCL1/macrophage inflammatory protein-2-induced angiogenesis in vivo is mediated by neutrophil-derived vascular endothelial growth factor-A. *J Immunol.* 2004 Apr 15;172(8):5034-40.
72. Morini M, Roccatagliata L, Dell'Eva R, Pedemonte E, Furlan R, Minghelli S, Giunti D, Pfeffer U, Marchese M, Noonan D, Mancardi G, Albini A, Uccelli A. Alpha-lipoic acid is effective in prevention and treatment of experimental autoimmune encephalomyelitis. *J Neuroimmunol.* 2004 Mar;148(1-2):146-53.
73. Morini M, Albini A, Lorusso G, Moelling K, Lu B, Cilli M, Ferrini S, Noonan DM. Prevention of angiogenesis by naked DNA IL-12 gene transfer: angioprevention by immunogene therapy. *Gene Ther.* 2004 Feb;11(3):284-91.
74. Fassina G, Vene R, Morini M, Minghelli S, Benelli R, Noonan DM, Albini A. Mechanisms of inhibition of tumor angiogenesis and vascular tumor growth by epigallocatechin-3-gallate. *Clin Cancer Res.* 2004 Jul 15;10(14):4865-73.
75. Albini A, Benelli R, Noonan DM, Brigati C. The "chemoinvasion assay": a tool to study tumor and endothelial cell invasion of basement membranes. *Int J Dev Biol.* 2004;48(5-6):563-71.

76. Tosetti F, Vene R, Arena G, Morini M, Minghelli S, Noonan DM, Albini A. N-(4-hydroxyphenyl)retinamide inhibits retinoblastoma growth through reactive oxygen species-mediated cell death. *Mol Pharmacol.* 2003;63(3):565-73.
77. Pfeffer U, Noonan D, Albini A. Re: Microarray studies challenge theories of metastasis. *J Natl Cancer Inst.* 2003;95(11):829.
78. Pfeffer U, Ferrari N, Morini M, Benelli R, Noonan DM, Albini A. Antiangiogenic activity of chemopreventive drugs. *Int J Biol Markers.* 2003;18(1):70-4.
79. Noonan DM, Gringeri A, Meazza R, Rosso O, Mazza S, Muca-Perja M, Le Buanec H, Accolla RS, Albini A, Ferrini S. Identification of immunodominant epitopes in inactivated Tat-vaccinated healthy and HIV-1-infected volunteers. *J Acquir Immune Defic Syndr.* 2003;33(1):47-55.
80. Giunti D, Borsellino G, Benelli R, Marchese M, Capello E, Valle MT, Pedemonte E, Noonan D, Albini A, Bernardi G, Mancardi GL, Battistini L, Uccelli A. Phenotypic and functional analysis of T cells homing into the CSF of subjects with inflammatory diseases of the CNS. *J Leukoc Biol.* 2003;73(5):584-90.
81. Florio T, Morini M, Villa V, Arena S, Corsaro A, Thellung S, Culler MD, Pfeffer U, Noonan DM, Schettini G, Albini A. Somatostatin inhibits tumor angiogenesis and growth via somatostatin receptor-3-mediated regulation of endothelial nitric oxide synthase and mitogen-activated protein kinase activities. *Endocrinology.* 2003;144(4):1574-84.
82. Ferrari N, Morini M, Pfeffer U, Minghelli S, Noonan DM, Albini A. Inhibition of Kaposi's Sarcoma in Vivo by Fenretinide. *Clin Cancer Res.* 2003 Dec 1;9(16):6020-9.
83. Brigati C, Giacca M, Noonan DM, Albini A. HIV Tat, its TARgets and the control of viral gene expression. *FEMS Microbiol Lett.* 2003;220(1):57-65.
84. Benelli R, Morini M, Brigati C, Noonan DM, Albini A. Angiostatin inhibits extracellular HIV-Tat-induced inflammatory angiogenesis. *Int J Oncol.* 2003;22(1):87-91.
85. Benelli R, Albini A, Noonan D. Neutrophils and angiogenesis: potential initiators of the angiogenic cascade. In: Cassatella MA, editor. *The neutrophil: An emerging regulator of inflammatory and immune response.* Basel: Karger; 2003. p. 167-81.
86. Scapini P, Nesi L, Morini M, Tanghetti E, Belleri M, Noonan D, Presta M, Albini A, Cassatella MA. Generation of biologically active angiostatin kringle 1-3 by activated human neutrophils. *J Immunol.* 2002;168(11):5798-804.
87. Pfeffer U, Bisacchi D, Morini M, Benelli R, Minghelli S, Vacca A, Noonan DM, Albini A. Human Chorionic Gonadotropin Inhibits Kaposi's Sarcoma Associated Angiogenesis, Matrix Metalloprotease Activity, and Tumor Growth. *Endocrinology.* 2002;143(8):3114-21.
88. Indraccolo S, Gola E, Rosato A, Minuzzo S, Habeler W, Tisato V, Roni V, Esposito G, Morini M, Albini A, Noonan DM, Ferrantini M, Amadori A, Chieco-Bianchi L. Differential effects of angiostatin, endostatin and interferon-alpha(1) gene transfer on in vivo growth of human breast cancer cells. *Gene Ther.* 2002;9(13):867-78.
89. Giannelli G, Astigiano S, Antonaci S, Morini M, Barbieri O, Noonan DM, Albini A. Role of the alpha3beta1 and alpha6beta4 integrins in tumor invasion. *Clin Exp Metastasis.* 2002;19(3):217-23.

90. Fassina G, Buffa A, Benelli R, Varnier OE, Noonan DM, Albini A. Polyphenolic antioxidant (-)-epigallocatechin-3-gallate from green tea as a candidate anti-HIV agent. *Aids*. 2002;16(6):939-41.
91. Dell'Eva R, Pfeffer U, Indraccolo S, Albini A, Noonan D. Inhibition of tumor angiogenesis by angiostatin: from recombinant protein to gene therapy. *Endothelium*. 2002;9(1):3-10.
92. Brigati C, Noonan DM, Albini A, Benelli R. Tumors and inflammatory infiltrates: friends or foes? *Clin Exp Metastasis*. 2002;19(3):247-58.
93. Bisacchi D, Noonan DM, Carlone S, Albini A, Pfeffer U. Kaposi's sarcoma and human chorionic gonadotropin: mechanisms, moieties and mysteries. *Biol Chem*. 2002;383(9):1315-20.
94. Benelli R, Morini M, Carrozzino F, Ferrari N, Minghelli S, Santi L, Cassatella M, Noonan DM, Albini A. Neutrophils as a key cellular target for angiostatin: implications for regulation of angiogenesis and inflammation. *Faseb J*. 2002 Feb;16(2):267-9; 10.1096/fj.01-0651fje.
95. Baldi A, Luca AD, Morini M, Battista T, Felsani A, Baldi F, Catricala C, Amantea A, Noonan DM, Albini A, Natali PG, Lombardi D, Paggi MG. The HtrA1 serine protease is down-regulated during human melanoma progression and represses growth of metastatic melanoma cells. *Oncogene*. 2002;21(43):6684-8.
96. Vene R, Benelli R, Noonan DM, Albini A. HIV-Tat dependent chemotaxis and invasion, key aspects of tat mediated pathogenesis. *Clin Exp Metastasis*. 2001;18(7):533-8.
97. Rusnati M, Urbinati C, Musulin B, Ribatti D, Albini A, Noonan D, Marchisone C, Waltenberger J, Presta M. Activation of endothelial cell mitogen activated protein kinase ERK(1/2) by extracellular HIV-1 Tat protein. *Endothelium*. 2001;8(1):65-74.
98. La Greca G, Amore A, Armato U, Coles G, Esposito C, Deppisch R, Feriani M, Mason R, Noonan D, Schleicher E, Sterzel B, Gambaro G. The un-physiology of peritoneal dialysis solution and the peritoneal membrane: from basic research to clinical nephrology. *Nephrol Dial Transplant*. 2001;16(5):905-12.
99. Indraccolo S, Morini M, Gola E, Carrozzino F, Habeler W, Minghelli S, Santi L, Chieco-Bianchi L, Cao Y, Albini A, Noonan DM. Effects of angiostatin gene transfer on functional properties and in vivo growth of kaposi's sarcoma cells. *Cancer Res*. 2001;61(14):5441-6.
100. De Flora S, Izzotti A, D'Agostini F, Balansky RM, Noonan D, Albini A. Multiple points of intervention in the prevention of cancer and other mutation-related diseases. *Mutat Res*. 2001;480-481(1-2):9-22.
101. Corsaro A, Thellung S, Villa V, Arena S, Noonan D, Albini A, Schettini G, Florio T. Somatostatinergic control of Kaposi's sarcoma growth through the inhibition of angiogenesis. *Minerva Endocrinol*. 2001;26(4):273-6.
102. Bonavia R, Bajetto A, Barbero S, Albini A, Noonan DM, Schettini G. Hiv-1 tat causes apoptotic death and calcium homeostasis alterations in rat neurons. *Biochem Biophys Res Commun*. 2001;288(2):301-8.
103. Barbero A, Benelli R, Minghelli S, Tosetti F, Dorcaratto A, Ponzetto C, Wernig A, Cullen

- MJ, Albini A, Noonan DM. Growth factor supplemented matrigel improves ectopic skeletal muscle formation--a cell therapy approach. *J Cell Physiol.* 2001;186(2):183-92.
104. Albini A, Morini M, D'Agostini F, Ferrari N, Campelli F, Arena G, Noonan DM, Pesce C, De Flora S. Inhibition of angiogenesis-driven Kaposi's sarcoma tumor growth in nude mice by oral N-acetylcysteine. *Cancer Res.* 2001;61(22):8171-8.
105. Tosi G, Meazza R, De Lerma Barbaro A, D'Agostino A, Mazza S, Corradin G, Albini A, Noonan DM, Ferrini S, Accolla RS. Highly stable oligomerization forms of HIV-1 tat detected by monoclonal antibodies and requirement of monomeric forms for the transactivating function on the HIV-1 LTR. *Eur J Immunol.* 2000;30(4):1120-6.
106. Rusnati M, Taraboletti G, Urbinati C, Tulipano G, Giuliani R, Molinari-Tosatti MP, Sennino B, Giacca M, Tyagi M, Albini A, Noonan D, Giavazzi R, Presta M. Thrombospondin-1/HIV-1 Tat protein interaction: modulation of the biological activity of extracellular Tat. *Faseb J.* 2000;14(13):1917-30.
107. Noonan DM, Albini A. From the outside in: extracellular activities of HIV Tat. In: Jeang KT, editor. *HIV: Molecular Mechanisms and Clinical Applications.* San Diego, CA: Academic Press; 2000. p. 229-50.
108. Morini M, Mottolose M, Ferrari N, Ghiorzo F, Buglioni S, Mortarini R, Noonan DM, Natali PG, Albini A. The alpha3beta1 integrin is associated with mammary carcinoma cell metastasis, invasion, and gelatinase B (mmp-9) activity. *Int J Cancer.* 2000;87(3):336-42.
109. Morini M, Benelli R, Giunciuglio D, Carlone S, Arena G, Noonan DM, Albini A. Kaposi's sarcoma cells of different etiologic origins respond to HIV- Tat through the flk-1/KDR (VEGFR-2): relevance in AIDS-KS pathology. *Biochem Biophys Res Commun.* 2000;273(1):267-71.
110. Montaldo F, Maffe A, Morini M, Noonan D, Giordano S, Albini A, Prat M. Expression of functional tyrosine kinases on immortalized Kaposi's sarcoma cells. *J Cell Physiol.* 2000;184(2):246-54.
111. Marchisone C, Pfeiffer U, Del Grosso F, Noonan DM, Santi L, Albini A. Progress towards gene therapy for cancer. *J Exp Clin Cancer Res.* 2000;19(3):261-70.
112. Marchisone C, Del Grosso F, Masiello L, Prat M, Santi L, Noonan DM. Phenotypic Alterations in Kaposi s Sarcoma Cells by Antisense Reduction of Perlecan. *Pathol Oncol Res.* 2000;6(1):10-7.
113. Ghezzi S, Noonan DM, Aluigi MG, Vallanti G, Cota M, Benelli R, Morini M, Reeves JD, Vicenzi E, Poli G, Albini A. Inhibition of CXCR4-dependent HIV-1 infection by extracellular HIV-1 Tat. *Biochem Biophys Res Commun.* 2000;270(3):992-6.
114. Fassina G, Ferrari N, Brigati C, Benelli R, Santi L, Noonan DM, Albini A. Tissue inhibitors of metalloproteases: regulation and biological activities. *Clin Exp Metastasis.* 2000;18(2):111-20.
115. Benelli R, Barbero A, Ferrini S, Scapini P, Cassatella M, Bussolino F, Tacchetti C, Noonan DM, Albini A. Human Immunodeficiency Virus Transactivator Protein (Tat) Stimulates Chemotaxis, Calcium Mobilization, and Activation of Human Polymorphonuclear Leukocytes: Implications for Tat-Mediated Pathogenesis. *J Infect Dis.* 2000;182(6):1643-

51.

116. Benelli R, Barbero A, Buffa A, Aluigi MG, Masiello L, Morbidelli L, Ziche M, Albini A, Noonan D. Distinct chemotactic and angiogenic activities of peptides derived from Kaposi's sarcoma virus encoded chemokines. *Int J Oncol.* 2000;17(1):75-81.
117. Albini A, Marchisone C, Del Grosso F, Benelli R, Masiello L, Tacchetti C, Bono M, Ferrantini M, Rozera C, Truini M, Belardelli F, Santi L, Noonan DM. Inhibition of Angiogenesis and Vascular Tumor Growth by Interferon- Producing Cells : A Gene Therapy Approach. *Am J Pathol.* 2000;156(4):1381-93.
118. Morini M, Cai T, Aluigi MG, Noonan DM, Masiello L, De Flora S, D'Agostini F, Albini A, Fassina G. The role of the thiol N-acetylcysteine in the prevention of tumor invasion and angiogenesis. *Int J Biol Markers.* 1999;14(4):268-71.
119. Marchisone C, Benelli R, Albini A, Santi L, Noonan DM. Inhibition of angiogenesis by type I interferons in models of Kaposi's sarcoma. *Int J Biol Markers.* 1999;14(4):257-62.
120. Indraccolo S, Minuzzo S, Gola E, Habeler W, Carrozzino F, Noonan D, Albini A, Santi L, Amadori A, Chieco-Bianchi L. Generation of expression plasmids for angiostatin, endostatin and TIMP- 2 for cancer gene therapy. *Int J Biol Markers.* 1999;14(4):251-6.
121. Cai T, Fassina G, Morini M, Aluigi MG, Masiello L, Fontanini G, D'Agostini F, De Flora S, Noonan DM, Albini A. N-acetylcysteine inhibits endothelial cell invasion and angiogenesis. *Lab Invest.* 1999;79(9):1151-9.
122. Albini A, Noonan D, Santi L. Angiogenesis at the interface between basic and clinical research. *Int J Biol Markers.* 1999;14(4):202-6.
123. Albini A, Florio T, Giunciuglio D, Masiello L, Carlone S, Corsaro A, Thellung S, Cai T, Noonan DM, Schettini G. Somatostatin controls Kaposi's sarcoma tumor growth through inhibition of angiogenesis. *Faseb J.* 1999;13(6):647-55.
124. Noonan D, Albini A. Anti-KS activity still a mystery [letter]. *Nat Med.* 1998;4(7):748.
125. Benelli R, Mortarini R, Anichini A, Giunciuglio D, Noonan DM, Montalti S, Tacchetti C, Albini A. Monocyte-derived dendritic cells and monocytes migrate to HIV-Tat RGD and basic peptides. *Aids.* 1998;12(3):261-8.
126. Albini A, Ferrini S, Benelli R, Sforzini S, Giunciuglio D, Aluigi MG, Proudfoot AE, Alouani S, Wells TN, Mariani G, Rabin RL, Farber JM, Noonan DM. HIV-1 Tat protein mimicry of chemokines. *Proc Natl Acad Sci U S A.* 1998;95(22):13153-8.
127. Albini A, Benelli R, Giunciuglio D, Cai T, Mariani G, Ferrini S, Noonan DM. Identification of a novel domain of HIV tat involved in monocyte chemotaxis. *J Biol Chem.* 1998;273(26):15895-900.
128. Rusnati M, Coltrini D, Oreste P, Zoppetti G, Albini A, Noonan D, di Fagagna F, Giacca M, Presta M. Interaction of HIV-1 Tat protein with heparin. Role of the backbone structure, sulfation, and size. *J Biol Chem.* 1997;272(17):11313-20.
129. Fassina G, Aluigi MG, Gentleman S, Wong P, Cai T, Albini A, Noonan DM. The cAMP analog 8-Cl-cAMP inhibits growth and induces differentiation and apoptosis in retinoblastoma cells. *Int J Cancer.* 1997;72(6):1088-94.
130. Benelli R, Masiello L, Paglialunga G, Noonan DM, Repetto L, Carlone S, Orengo G,

- Fontanini G, Albini A. IFN-alpha inhibits Tat-induced angiogenesis. In: Guenounou M, editor. HIV and cytokines. Paris: Les Editions INSERM; 1997. p. 447-58.
131. Aviezer D, Iozzo RV, Noonan DM, Yayon A. Suppression of autocrine and paracrine functions of basic fibroblast growth factor by stable expression of perlecan antisense cDNA. *Mol Cell Biol.* 1997;17(4):1938-46.
132. Adatia R, Albini A, Carlone S, Giunciuglio D, Benelli R, Santi L, Noonan DM. Suppression of invasive behavior of melanoma cells by stable expression of anti-sense perlecan cDNA. *Ann Oncol.* 1997;8(12):1257-61.
133. Valente P, Noonan DM, Ogle RC, Albini A. Altered production of laminin and nidogen by high and low metastatic variants of murine melanoma cells. *Oncol Res.* 1996;8(3):131-8.
134. Valente P, Melchiori A, Paggi MG, Masiello L, Ribatti D, Santi L, Takahashi R, Albini A, Noonan DM. RB1 oncosuppressor gene over-expression inhibits tumor progression and induces melanogenesis in metastatic melanoma cells. *Oncogene.* 1996;13(6):1169-78.
135. Aluigi MG, Cai T, Gentleman S, Wong P, Albini A, Noonan DM, Fassina GF. Induction of differentiation and apoptosis in retinoblastoma cells by cAMP analogs and laminin. *Fund Clin Immunology.* 1996;4:23-5.
136. Aluigi MG, Albini A, Carlone S, Repetto L, De MR, Icardi A, Moro M, Noonan D, Benelli R. KSHV sequences in biopsies and cultured spindle cells of epidemic, iatrogenic and Mediterranean forms of Kaposi's sarcoma. *Res Virol.* 1996;147(5):267-75.
137. Albini A, Soldi R, Giunciuglio D, Giraudo E, Benelli R, Primo L, Noonan D, Salio M, Camussi G, Rockl W, Bussolino F. The angiogenesis induced by HIV-1 tat protein is mediated by the Flk-1/KDR receptor on vascular endothelial cells. *Nat Med.* 1996;2(12):1371-5.
138. Albini A, Benelli R, Presta M, Rusnati M, Ziche M, Rubartelli A, Paglialunga G, Bussolino F, Noonan D. HIV-tat protein is a heparin-binding angiogenic growth factor. *Oncogene.* 1996;12(2):289-97.
139. Albini A, Aluigi MG, Benelli R, Berti E, Biberfeld P, Blasig C, Calabro ML, Calvo F, Chieco BL, Corbellino M, Del MA, Ekman M, Favero A, Hofschneider PH, Kaaya E, Lebbé C, Morel P, Neipel F, Noonan DM, Parravicini C, Repetto L, Schalling M, Stürzl M, Tschachler E. Oncogenesis in HIV-Infection: KSHV and Kaposi's Sarcoma. *Int J Oncol.* 1996;9:5-8.
140. Poggi L, Melchiori A, Pellegrini R, Defilippi P, Noonan D, Campbell MA, Gentleman S, Chader GJ, Albini A. Laminin-induced Y-79 retinoblastoma cell differentiation occurs in the absence of 'classic' laminin adhesion molecules. In: Epenetos A, Pignatelli M, editors. *Cell Adhesion Molecules in Cancer and Inflammation: Harwood Academic Publishers GmbH;* 1995. p. 59-73.
141. Melchiori A, Mortarini R, Carlone S, Marchisio PC, Anichini A, Noonan DM, Albini A. The alpha 3 beta 1 integrin is involved in melanoma cell migration and invasion. *Exp Cell Res.* 1995;219(1):233-42.
142. Giunciuglio D, Benelli R, Masiello L, Paglieri I, Pesarini A, Presta M, Noonan D, Albini A. Mechanisms of Kaposi's Sarcoma cell supernatant-induced vascular cell invasion. *Int J Oncol.* 1995;6:539-46.

143. de Cupis A, Noonan D, Pirani P, Ferrera A, Clerico L, Favoni RE. Comparison between novel steroid-like and conventional nonsteroidal antioestrogens in inhibiting oestradiol- and IGF-I-induced proliferation of human breast cancer-derived cells. *Br J Pharmacol.* 1995;116(5):2391-400.
144. Bobola N, Hirsch E, Albini A, Altruda F, Noonan D, Ravazzolo R. A single cis-acting element in a short promoter segment of the gene encoding the interphotoreceptor retinoid-binding protein confers tissue- specific expression. *J Biol Chem.* 1995;270(3):1289-94.
145. Gambaro G, Venturini AP, Noonan DM, Fries W, Re G, Garbisa S, Milanese C, Pesarini A, Borsatti A, Marchi E, Baggio B. Treatment with a glycosaminoglycan formulation ameliorates experimental diabetic nephropathy. *Kidney Int.* 1994;46(3):797-806.
146. Favoni RE, Ravera F, Pirani P, Ardizzoni A, Noonan D, de Cupis A. Suramin interferes with auto/paracrine insulin-like growth factor I- controlled proliferative loop on human lung cancer cell lines. *Eur J Pharmacol.* 1994;264(2):199-206.
147. Favoni RE, de CA, Ravera F, Cantoni C, Pirani P, Ardizzoni A, Noonan D, Biassoni R. Expression and function of the insulin-like growth factor I system in human non-small-cell lung cancer and normal lung cell lines. *Int J Cancer.* 1994;56(6):858-66.
148. Albini A, Fontanini G, Masiello L, Tacchetti C, Bigini D, Luzzi P, Noonan DM, Stetler-Stevenson W. Angiogenic potential in vivo by Kaposi's sarcoma cell-free supernatants and HIV-1 tat product: inhibition of KS-like lesions by tissue inhibitor of metalloproteinase-2. *Aids.* 1994;8(9):1237-44.
149. Noonan DM, Hassell JR. Proteoglycans of basement membranes. In: Rohrbach DH, Timpl R, editors. *Molecular and Cellular Aspects of Basement Membranes*: Academic Press; 1993. p. 189-210.
150. Noonan DM, Hassell JR. Perlecan, the large low-density proteoglycan of basement membranes: structure and variant forms. *Kidney Int.* 1993;43(1):53-60.
151. Kofoed-Enevoldsen A, Noonan D, Deckert T. Diabetes mellitus induced inhibition of glucosaminyl N-deacetylase: effect of short-term blood glucose control in diabetic rats. *Diabetologia.* 1993;36(4):310-5.
152. Hassell JR, Blochberger TC, Rada JA, Chakravarti S, Noonan DM. Proteoglycan gene families. In: Kleinman HK, editor. *The Extracellular Matrix*. Greenwich, CT: JAI press Inc; 1993. p. 69-113.
153. Fassina G, Paglialunga G, Noonan DM, Chader GJ, Albini A. Modulation of Y-79 retinoblastoma and IRBP expression by dibutyryl cyclic AMP and laminin. *Int J Oncol.* 1993;2:745-51.
154. Colacci A, Albini A, Melchiori A, Nanni P, Nicoletti G, Noonan D, Parodi S, Grilli S. Induction of a malignant phenotype in BALB/c 3T3 cells by 1,1,2,2-tetrachloroethane. *Int J Oncol.* 1993;2:937-45.
155. Clerico L, Mancuso T, Noonan D, Albini A. Oncosuppressor genes: mechanisms of inactivation for the retinoblastoma gene and p53. *Boll Soc Ital Biol Sper.* 1993;69(12):725-34.
156. Albini A, Noonan DM, Melchiori A, Fassina GF, Percario M, Gentleman S, Toffenetti J,

- Chader GJ. Laminin-induced retinoblastoma cell differentiation: possible involvement of a 100-kDa cell-surface laminin-binding protein. *Proc Natl Acad Sci U S A*. 1992;89(6):2257-61.
157. Albin A, Melchiori A, Garofalo A, Noonan DM, Basolo F, Taraboletti G, Chader GJ, Gavazzi R. Matrigel promotes retinoblastoma cell growth in vitro and in vivo. *Int J Cancer*. 1992;52(2):234-40.
158. Noonan DM, Fulle A, Valente P, Cai S, Horigan E, Sasaki M, Yamada Y, Hassell JR. The complete sequence of perlecan, a basement membrane heparan sulfate proteoglycan, reveals extensive similarity with laminin A chain, low density lipoprotein-receptor, and the neural cell adhesion molecule. *J Biol Chem*. 1991;266(34):22939-47.
159. Wintle RF, Kisilevsky R, Noonan D, Duncan AM. In situ hybridization to human chromosome 1 of a cDNA probe for the gene encoding the basement membrane heparan sulfate proteoglycan (HSPG). *Cytogenet Cell Genet*. 1990;54(1-2):60-1.
160. Ledbetter S, Copeland EJ, Noonan D, Vogeli G, Hassell JR. Altered steady-state mRNA levels of basement membrane proteins in diabetic mouse kidneys and thromboxane synthase inhibition. *Diabetes*. 1990;39(2):196-203.
161. Albin A, Toffenetti J, Zhu Z, Chader GJ, Noonan DM. Hypomethylation of the interphotoreceptor retinoid-binding protein (IRBP) promoter and first exon is linked to expression of the gene. *Nucleic Acids Res*. 1990;18(17):5181-7.
162. Albin A, Aukerman SL, Ogle RC, Noonan DM, Fridman R, Martin GR, Fidler IJ. The in vitro invasiveness and interactions with laminin of K-1735 melanoma cells. Evidence for different laminin-binding affinities in high and low metastatic variants. *Clin Exp Metastasis*. 1989;7(4):437-51.
163. Noonan DM, Horigan EA, Ledbetter SR, Vogeli G, Sasaki M, Yamada Y, Hassell JR. Identification of cDNA clones encoding different domains of the basement membrane heparan sulfate proteoglycan. *J Biol Chem*. 1988;263(31):16379-87.
164. Noonan DM, Malemud DJ, Przybylski RJ. Biosynthesis of heparan sulfate proteoglycans of developing chick breast skeletal muscle in vitro. *Exp Cell Res*. 1986;166(2):327-39.
165. Hassell JR, Noonan DM, Ledbetter SR, Laurie GW. Biosynthesis and structure of the basement membrane proteoglycan containing heparan sulphate side-chains. *Ciba Found Symp*. 1986;124(204):204-22.
166. Hassell JR, Horton WE, Noonan DM, Doege KJ, Laurie GW. Structure and function of connective tissue proteoglycans. In: Laurent P, Grimaud JA, Bienvenu J, editors. *Marker Proteins in Inflammation*. Berlin, New York: Walter de Gruyter; 1986. p. 327-35.