

Prof. G. Musci

Papers on international Journals (with peer reviewing)

- 1. Low temperature resonance Raman spectra of Japanese lacquer tree (*Rhus vernicifera*) laccase, type-2-copper-depleted laccase and H₂O₂ -treated type-2-copper-depleted laccase.**
G. Musci, A. Desideri, L. Morpurgo, A. Garnier-Suillerot, L. Tosi
Biochem. J. (1983) **213**, 503-506.
- 2. Effects of laser radiation on *Rhus vernicifera* laccase, type-2-copper-depleted laccase and stellacyanin.**
G. Musci, L. Tosi, A. Desideri, L. Morpurgo, A. Garnier-Suillerot
J. Inorg. Biochem. (1984) **20**, 87-92.
- 3. A resonance Raman study of native stellacyanin and its Ni(II)-derivative. On the origin of the 450 nm electronic absorption.**
G. Musci, A. Desideri, L. Morpurgo, L. Tosi
J. Inorg. Biochem. (1985) **23**, 93-102.
- 4. 4,4'-Bis[8-(phenylamino)naphtalene-1-sulfonate] binding to human thrombins: a sensitive exo site fluorescent affinity probe.**
G. Musci, G. Metz, H. Tsunematsu, L.J. Berliner
Biochemistry (1985) **24**, 2034-2039.
- 5. Probing different conformational states of bovine α -lactalbumin: fluorescence studies with 4,4'-Bis[1-(phenylamino)-8-naphtalenesulfonate].**
G. Musci, L.J. Berliner
Biochemistry (1985) **24**, 3852-3856.
- 6. Physiological roles of zinc and calcium binding to α -lactalbumin in lactose biosynthesis.**
G. Musci, L.J. Berliner
Biochemistry (1985) **24**, 6945-6948
- 7. An electron paramagnetic resonance study of α -lactalbumin-metal-ion complexes.**
G. Musci, G. H. Reed, L.J. Berliner
J. Inorg. Biochem. (1986) **26**, 229-236.

- 8. Binding of N-acetylgalactosamine-specific lectins to spin-labeled galactosamine derivatives.**
L.J. Berliner, G. Musci, M. Maliarik, N.R. Plessas, I.J. Goldstein
Biochemistry (1986) **25**, 4457-4461.
- 9. Intramolecular distance measurements in bovine α -lactalbumin.**
G. Musci, L.J. Berliner
Biochemistry (1986) **25**, 4887-4891.
- 10. Thrombin: active site topography.**
L.J. Berliner, J.J. Birktoft, T.L. Miller, G. Musci, J.E. Scheffler, Y.Y. Shen, Y. Sugawara
Ann. New York Acad. Sciences (1986) **425**, 80-86.
- 11. Mechanism of the scavenger-like action of bendazac.**
G. Musci, B. Silvestrini
Drugs Expl. Clin. Res. (1987) **13**, 289-292.
- 12. Ligands which effect human protein C activation by thrombin.**
G. Musci, L.J. Berliner
J. Biol. Chem. (1987) **262**, 13889-13891.
- 13. Evidence for superoxide generation during the autoxidation of the favism-inducing compound divicine.**
G. Musci, I. Mavelli, G. Rotilio
Biochim. Biophys. Acta (1987) **926**, 369-372.
- 14. Evidence for multiple conformational changes in the active center of thrombin induced by complex formation with thrombomodulin: an analysis employing nitroxide spin labels.**
G. Musci, L.J. Berliner, C.T. Esmon
Biochemistry (1988) **27**, 769-773.
- 15. Methionine-90-spin-labeled bovine α -lactalbumin: electron spin resonance and NMR distance measurements.**
G. Musci, K. Koga, L.J. Berliner
Biochemistry (1988) **27**, 1260-1265.

- 16. Chicken ceruloplasmin: evidence in support of a trinuclear cluster involving type 2 and 3 copper centers.**
L. Calabrese, M. Carbonaro, G. Musci
J. Biol. Chem. (1988) **263**, 6480-6483.
- 17. Spin-label and fluorescence labeling studies of the thioester bond in human $\beta 2$ - macroglobulin.**
B. Zhao, G. Musci, Y. Sugawara, L.J. Berliner
Biochemistry (1988) **27**, 5304-5308.
- 18. Electron spin resonance characterization of the radicals produced by enzymatic or chemical cleavage of vicine.**
J.Z. Pedersen, G. Musci, G. Rotilio
Biochemistry (1988) **27**, 8534-8536.
- 19. Formation and stability of vicine radicals studied by electron spin resonance.**
G. Musci, J.Z. Pedersen, G. Rotilio
In *Medical, Biochemical and Chemical Aspects of Free Radicals* (E. Hayaishi, M. Niki, T. Yoshikawa eds.) Elsevier Science Publishers, Amsterdam (1989), pp. 841-844.
- 20. Detection of free radicals in biochemistry by electron spin resonance spectroscopy.**
J.Z. Pedersen, G. Musci, G. Rotilio
In *Free Radicals in Synthesis and Biology* (F. Minisci ed.) Kuwer Acad. Publishers, Dordrecht, R.F.G. (1989), pp. 361-372.
- 21. ESR and fluorescence studies on the adenine binding sites of lectins using a spin-labeled analogue.**
M. Maliarik, N. R. Plessas, I.J. Goldstein, G. Musci, L.J. Berliner
Biochemistry (1989) **28**, 912-917.
- 22. Presence of coupled trinuclear cluster in mammalian ceruloplasmin is essential for efficient electron transfer to oxygen.**
L. Calabrese, M. Carbonaro, G. Musci
J. Biol. Chem. (1989) **264**, 6183-6187.

- 23. Effects of the alcaptonuria-related compound homogentisic acid on purified human hemoglobin and intact erythrocytes.**
L. Zolla, G. Cantalupo, R. Tacconi, M. Coletta, G. Musci
Clin. Chem. Enzym. Comms. (1989) **1**, 275-281.
- 24. Spectroscopic properties of turtle ceruloplasmin.**
A. Galtieri, A. Lania, G. Musci, S. Di Marco., L. Calabrese
ItaL.J. Biochem. (1990) **39**, 126-127.
- 25. The interaction of ceruloplasmin with Kupffer cells.**
L. Dini, M. Carbonaro, G. Musci, L. Calabrese
Eur. J. Cell. Biol. (1990), **52**, 207-212.
- 26. Unusual stability properties of a reptilian ceruloplasmin.**
G. Musci, M. Carbonaro, A. Adriani, A. Lania, A. Galtieri, L. Calabrese
Arch. Biochem. Biophys. (1990) **279**, 8-13.
- 27. The reaction of Pseudomonas nitrite reductase and nitrite: a stopped flow and EPR study.**
M.C. Silvestrini, M.G. Tordi, G. Musci, M. Brunori
J. Biol. Chem. (1990) **265**, 11783-11787.
- 28. NMR studies of the structure and environment of the milk protein α -lactalbumin.**
L.J. Berliner, R. Kaptein, K. Koga, G. Musci
In *NMR Applications in Biopolymers* (J. W. Finley, S. J Schmidt and A. S. Serianni eds.), Plenum Publishing Co., New York (1990) pp. 231-253
- 29. The multidomain structure of ceruloplasmin from calorimetric and limited proteolysis studies.**
M.C. Bonaccorsi di Patti, G. Musci, A. Giartosio, S. D'Alessio, L. Calabrese
J. Biol. Chem. (1990) **265**, 21016-21022.
- 30. Spectroscopic and redox properties of ceruloplasmin after limited proteolysis.**
M.C. Bonaccorsi di Patti, G. Musci, L. Calabrese
ItaL.J. Biochem. (1991) **40**, 263-264.

- 31. Involvement of the copper in the inhibition of Cu,Zn superoxide dismutase activity at high pH.**
L. Calabrese, F. Polticelli, C. Capo, G. Musci
Free Rad. Res. Comms. (1991), **13**, 205-212.
- 32. Functional implications resulting from disruption of the calcium binding loop in bovine α -lactalbumin.**
L.J. Berliner, D.C. Meinholtz, Y. Hirai, G. Musci, M.P. Thompson
J. Dairy Sci. (1991) **74**, 2394-2402.
- 33. On the formation mechanism of the phenoxazinonic system present in ommochrome pigments.**
A. Bolognese, G. Musci
Gazzetta Chimica Italiana (1991) **121**, 241-243.
- 34. Interaction of nitric oxide with ceruloplasmin lacking an EPR-detectable type 2 copper.**
G. Musci, S. Di Marco, M.C. Bonaccorsi di Patti, L. Calabrese
Biochemistry (1991) **30**, 9866-9872.
- 35. Chemical modification of rhodanese with sulfite.**
R. Berni, G. Musci, R. Pallini, C. Cannella
Free Rad. Res. Commun. (1991), **15**, 203-209.
- 36. Catalytic properties of turtle ceruloplasmin.**
A. Lania, A. Galtieri, S. Di Marco, M.C. Bonaccorsi di Patti, G. Musci, L. Calabrese
ItaL.J. Biochem. (1992) **41**, 254-255.
- 37. Variation of the state of copper sites in ceruloplasmin in the interaction with exogenous ligands and proteases.**
G. Musci, M.C. Bonaccorsi di Patti, S. Di Marco, L. Calabrese
ItaL.J. Biochem. (1992) **41**, 144-145.
- 38. Copper sites of turtle ceruloplasmin.**
A. Lania, A. Galtieri, G. Musci, S. Di Marco, M.C. Bonaccorsi di Patti, L. Calabrese
ItaL.J. Biochem. (1992) **41**, 255-256.

- 39. Dolphin ceruloplasmin. The first proteolitically stable mammalian ceruloplasmin.**
M.C. Bonaccorsi di Patti, A. Galtieri, A. Giartosio, G. Musci, L. Calabrese
Comp. Biochem. Physiol. (1992) **103B**, 183-188.
- 40. Effects of limited proteolysis on ceruloplasmin.**
M.C. Bonaccorsi di Patti, G. Musci, L. Calabrese
Life Sci. Adv. (Biochemistry) (1992), **11**, 197-204.
- 41. Ceruloplasmin in human plasma and its relationships with the copper-albumin complex.**
G. Musci, M.C. Bonaccorsi di Patti, P. Carlini, L. Calabrese
Eur. J. Biochemistry (1992), **210**, 635-640.
- 42. Age-related changes in human ceruloplasmin. Evidence for oxidative modifications.**
G. Musci, M.C. Bonaccorsi di Patti, U. Fagiolo, L. Calabrese
J. Biol. Chem. (1993) **268**, 13388-13395.
- 43. The state of the copper sites in human ceruloplasmin.**
G. Musci, M.C. Bonaccorsi di Patti, L. Calabrese
Arch. Biochem. Biophys. (1993) **306**, 111-118.
- 44. Possible involvement of nitric oxide in neuronal degeneration.**
G. Bagetta, G. Melino, M.T. Corasaniti, R.L. Tartaglia, L. Calabrese, G. Musci, G. Federici, G. Nisticò, A. Finazzi-Agrò
In *Nitric Oxide: Brain and Immune System* (S. Moncada, G. Nisticò and E.A. Higgs eds.), Portland Press, London (1993) pp. 111-119.
- 45. Some biochemical properties of melanins from opioid peptides.**
M.A. Rosei, L. Mosca, R. Coccia, C. Blarzino, G. Musci, C. De Marco
Biochim. Biophys. Acta (1994), **1199**, 123-129.
- 46. The oxidation reaction of *o*-anisidine in alkaline medium. A product characterization and an EPR study.**
A. Bolognese, M. Buonanno, A. Cantilena, G. Musci, A. Alberti
Canad. J. Chem. (1994) **72**, 120.

47. **A thermal stability study of Cu,ZnSOD.**
M.C. Bonaccorsi di Patti, A. Giartosio, G. Musci, P. Carlini, L. Calabrese
In *Frontiers of reactive oxygen species in biology and medicine* (K. Asada and T. Yoshikawa eds.) Elsevier Science B.V., Amsterdam (1994) pp 129-130.

48. **Modulation of the redox state of the copper sites of human ceruloplasmin by chloride.**
G. Musci, M.C. Bonaccorsi di Patti, L. Calabrese
J. Prot. Chem. (1995) **14**, 611-619.

49. **New control materials for the determination of copper and zinc in serum.**
M. Patriarca, A. Menditto, F. Luchetti, F. Chiodo, A. Minoprio, G. Morisi, G. Bellenchi, A.L. Mancini, G. Musci, L. Calabrese
J. Trace Elem. Exp. Med. (1995) **8**, 104-105.

50. **Divalent cation binding to ceruloplasmin.**
G. Musci, M.C. Bonaccorsi di Patti, R. Petruzzelli, A. Giartosio, L. Calabrese
Biometals (1996) **9**, 66-72.

51. **Reconstitution of apoceruloplasmin by the Cu(I)-glutathione complex. Evidence for a role of Mg^{2+} and ATP.**
G. Musci, S. Di Marco, G.C. Bellenchi, L. Calabrese
J. Biol Chem. (1996) **271**, 1972-1978.

52. **Effect of ceruloplasmin on 6-hydroxydopamine oxidation.**
R. Medda, L. Calabrese, G. Musci, A. Padiglia, G. Floris
Biochem. Mol. Biol. Int. (1996), **38**, 721-728.

53. **The discharge mechanism of acontial nematocytes involves the release of nitric oxide.**
A. Salleo, G. Musci, P.F. A. Barra, L. Calabrese
J. Exp. Biol. (1996), **199**, 1261-1267.

54. **Molecular properties of ceruloplasmin from different species.**
L. Calabrese, G. Musci
In *Multi-copper oxidases* (A. Messerschmidt ed.), World Scientific Publishing Co., Singapore (1997), pp. 305-352.

- 55. Nitric oxide involvement in *Hydra vulgaris* very primitive olfactory-like system.**
M. Colasanti, G. Venturini, A. Merante, G. Musci, G.M. Lauro
J. Neurosci. (1997), **17**, 493-499.
- 56. The cuprous bis-cysteine complex is involved in the copper catalysed oxidation of cysteine.**
L. Pecci, G. Montefoschi, G. Musci, D. Cavallini
Aminoacids (1997) **13**, 355-367 .
- 57. Ceruloplasmin impairs endothelium-dependent relaxation of rabbit aorta.**
M. Cappelli-Bigazzi, G. Ambrosio, G. Musci, C. Battaglia, M C. Bonaccorsi di Patti, P. Golino, M. Ragni, M. Chiariello, L. Calabrese.
Am. J. Physiol. (1997) **273**, H2843-2849.
- 58. Control of discharge of acontial nematocytes in *Aiptasia diaphana*.**
P.F.A. Barra , G. Musci, A. Salleo
In *Proceedings of the 6th International Conference on Coelenterate Biology* (1997), pp. 39-46.
- 59. Structure/function relationships in ceruloplasmin.**
G. Musci, F. Polticelli, L. Calabrese
Adv. Exp. Med. Biol. (1999) **448**, 175-182.
- 60. On the lability and the functional significance of the type 1 copper pool in ceruloplasmin.**
G. Musci, T.Z. Fraterrigo, L. Calabrese, D.R. McMillin
J. Biol. Inorg. Chem. (1999) **4**, 441-446.
- 61. The multifunctional oxidase activity of ceruloplasmin as revealed by anions binding studies.**
G. Musci, G. C. Bellenchi, L. Calabrese
Eur. J. Biochem. (1999) **265**, 589-597.
- 62. Inhibition of endothelial nitric oxide synthase by ceruloplasmin.**
A. Bianchini, G. Musci, L. Calabrese
J. Biol. Chem. (1999) **274**, 20265-20270.

- 63. Investigation of the anomalous spectroscopic features of the copper sites in chicken ceruloplasmin: comparison to human ceruloplasmin.**
T.E. Machonkin, G. Musci, H.H. Zhang, M.C. Bonaccorsi di Patti, L. Calabrese, B. Hedman, K.O. Hodgson, E.I. Solomon
Biochemistry (1999) **38**, 11093-11102.
- 64. Heat-induced aggregation of *Phaseolus vulgaris* L. proteins: an electron-spin resonance study.**
M. Carbonaro, S. Nicoli, G. Musci
J. Agric. Food Chem. (1999) **47**, 2188-2192.
- 65. The essential role of Glu-185 and Tyr354 residues in the ferroxidase activity of *Saccharomyces cerevisiae* Fet3.**
M.C. Bonaccorsi di Patti, M.R. Felice, A.P. Camuti, A. Lania, G. Musci
FEBS Letters (2000) **472**, 283-286.
- 66. Modulation of the nitric oxide pathway by copper in glial cells.**
M. Colasanti, T. Persichini, G. Venturini, F. Polticelli, G. Musci
Biochem. Biophys. Res. Commun. (2000) **275**, 776-782.
- 67. The physiopathological significance of ceruloplasmin. A possible therapeutical approach.**
G. Floris, R. Medda, A. Padiglia, G. Musci
Biochem. Pharmacol. (2000) **60**, 1735-1741.
- 68. Ceruloplasmin, the unique multi-copper oxidase of vertebrates.**
G. Musci
Prot. Pept. Letters. (2001) **8**, 159-169.
- 69. Mutational analysis of the iron binding site of *Saccharomyces cerevisiae* ferroxidase Fet3. An in vivo study.**
M.C. Bonaccorsi di Patti, M.P. Paronetto, V. Dolci, M.R. Felice, A. Lania, G. Musci
FEBS Letters (2001) **508**, 475-478.
- 70. Purification and partial characterization of camel (*Camelus dromedarius*) ceruloplasmin**
A.K. Essamadi, M. Bengoumi, D. Zaoui, B. Faye, G.C. Bellenchi, G. Musci, L. Calabrese
Comp. Biochem. Physiol. (2002) **131**, 509-517.

- 71. Thiol-induced discharge of acontial nematocytes.**
G. La Spada, G. Sorrenti, A. Soffli, B. Montaleone, A. Marino, G. Musci
Comp. Biochem. Physiol.(2002) **132**, 367-373.
- 72. Short-time non enzymatic nitric oxide synthesis from L-arginine and hydrogen peroxide induced by shock waves treatment**
G. Gotte, E. Amelio, S. Russo, E. Marlinghaus G. Musci, H. Suzuki
FEBS Letters (2002) **520**, 153-155.
- 73. β -Amyloid inhibits NOS activity by subtracting NADPH availability**
G. Venturini, M. Colasanti, T. Persichini, E. Fioravanti, P. Ascenzi, L. Palomba, O. Cantoni, G. Musci
FASEB J. (2002) **16**, 1970-1972.
- 74. Regulation of prostaglandin generation in carrageenan-induced pleurisy by inducible nitric oxide synthase in knockout mice**
A. Rossi, S. Cuzzocrea, E. Mazzon, I. Serraino, A. De Sarro, L. Dugo, M.R. Felice, F.A.J. Van de Loo, M. Di Rosa, G. Musci, A.P. Caputi,, L. Sautebin
Life Sci (2003) **72**, 1199-1208.
- 75. Copper induces type II nitric oxide synthase in vivo**
S. Cuzzocrea, T. Persichini, L. Dugo, M. Colasanti, G. Musci
Free Rad. Biol. Med. (2003) **34**, 1253-1262.
- 76. Sequential reconstitution of copper sites in the multicopper oxidase CueO.**
I. Galli, G. Musci, M.C. Bonaccorsi di Patti
J. Biol. Inorg. Chem. (2004) **9**, 90-95. Online Nov. 2003.
- 77. Hemolytic effects of crude venom from *Aiptasia mutabilis* nematocysts.**
A. Marino, G. Musci, G. La Spada
Chem Ecol. (2004) **20** (Suppl. 1), S451-S459.
- 78. Interleukin-1 β up-regulates iron efflux in rat C6 glioma cells through modulation of ceruloplasmin and ferroportin-1 synthesis.**
M.C. Bonaccorsi di Patti, T. Persichini, V. Mazzone, M. Colasanti, G. Musci
Neurosci. Lett. (2004) **363**, 182-186.

79. **Cytotoxicity of the nematocyst venom from the sea anemone *Aiptasia mutabilis*.**
A. Marino, V. Valveri, C. Muià, R. Crupi, G. Rizzo, G. Musci, G. La Spada
Comp. Biochem. Physiol. C (2004) **139**, 295-301.

80. **Post-transcriptional regulation of the yeast high affinity iron transport system.**
M.R. Felice, I. De Domenico, L. Li, D. McVey Ward, G. Musci, J. Kaplan
J. Biol. Chem. (2005) **280**, 22181-22190.

81. **Specific aspartate residues in Fet3 control high affinity iron transport in *Saccharomyces cerevisiae***
M.C. Bonaccorsi di Patti, M.R. Felice, I. De Domenico, A. Lania, F. Alaleona, G. Musci
Yeast (2005) **22**, 677-687.

82. **The molecular basis of ferroportin-linked hemochromatosis.**
I. De Domenico, D.M. Ward, E. Nemeth, M. B. Vaughn, G. Musci, T. Ganz, J. Kaplan
Proc. Natl. Acad. USA (2005) **102**, 8955-8960.

83. **Nitric oxide mediates anti-inflammatory action of extracorporeal shock waves**
A.R. Ciampa, A. Carcereri de Prati, E. Amelio, E. Cavalieri, T. Persichini, M. Colasanti, G. Musci, E. Marlinghaus, H. Suzuki, S. Mariotto
FEBS Letters (2005) **579**, 6339-6845.

84. **Purification and characterization of recombinant *Caulobacter crescentus* Cu,Zn superoxide dismutase.**
I. De Domenico, A. Lania, M.C. Bonaccorsi di Patti, A. Battistoni, G. Musci, A. Desideri
Biochim. Biophys. Acta (2006) **1764**, 205-209.

85. **Iron overload due to mutations on ferroportin.**
I. De Domenico, D. McVey Ward G. Musci, J. Kaplan.
Haematologica (2006) **91**, 92-95.

86. **Nitrosative/oxidative modifications and ageing.**
G. Musci, T. Persichini, M. Casadai, V. Mazzone, G. Venturini, F. Polticelli, M. Colasanti
Mech. Ageing Dev. (2006) **127**, 544-551.

87. **Copper activates the NF-kB pathway in vivo.**
T. Persichini, Z. Percario, E. Mazzon, M. Colasanti, S. Cuzzocrea, G. Musci
Antiox. Red. Signal. (2006) **8**, 1897-1904.

88. **Molecular and clinical correlates in iron overload associated with mutations in ferroportin.**
I. De Domenico, D. McVey Ward, E. Nemeth, T. Ganz, E. Corradini, F. Ferrara, G. Musci, A. Pietrangelo, J. Kaplan
Haematologica (2006) **91**, 1092-1095.

89. **Ferroportin-mediated mobilization of ferritin iron precedes ferritin degradation by the proteasome.**
I. De Domenico, M.B. Vaughn, L. Li, D. Bagley, G. Musci, D. McVey. Ward, J. Kaplan
EMBO J. (2006) **25**, 5396-5404.

90. **Evidence for the multimeric structure of ferroportin.**
I. De Domenico, D. Mcvey Ward, G. Musci, J. Kaplan
Blood (2007) **109**, 2205-2209.

91. **The molecular mechanism of hepcidin-mediated ferroportin down-regulation.**
I. De Domenico, D. Mcvey Ward, C. Langelier, M.B. Vaughn, E. Nemeth, W.I. Sundquist, T. Ganz, G. Musci, J. Kaplan.
Mol. Biol. Cell. (2007) **18**, 2569-2578.

92. **Ferroxidase activity is required for the stability of cell surface ferroportin in cells expressing GPI-ceruloplasmin.**
I. De Domenico, D. Mcvey Ward, M.C. Bonaccorsi di Patti, S.Y. Jeong, S. David, G. Musci, J. Kaplan.
EMBO J. (2007) **26**, 2823-2831.

93. **The unusual toxicity and stability properties of crude venom from isolated nematocysts of *Pelagia noctiluca* (Cnidaria, Scyphozoa).**
A. Marino, R. Crupi, G. Rizzo, R. Morabito, G. Musci, G. La Spada.
Cell. Mol. Biol. (2007) **53**, OL994-OL1002.

94. **S-glutathionylation of metallothioneins by nitrosative/oxidative stress.**
M. Casadei, T. Persichini, F. Polticelli, G. Musci, M. Colasanti
Exp. Gerontol. (2008) **43**, 415-422

- 95. Dominant mutants of ceruloplasmin impair the copper loading machinery in aceruloplasminemia.**
M.C. Bonaccorsi di Patti, N. Maio, G. Rizzo, G. De Francesco, T. Persichini, M. Colasanti, F. Polticelli, G. Musci
J. Biol. Chem.(2009) **284**, 4545-4554.
- 96. Cupryphans, metal-binding, redox active, redesigned conopeptides**
M. Barba, A.P. Sobolev, C. Romeo, M.E. Schininà, D. Pietraforte, L. Mannina, G. Musci, F. Polticelli
Protein Sci. (2009) **18**, 559-568.
- 97. Genistein up-regulates the iron efflux system in glial cells**
T. Persichini, N. Maio, M.C. Bonaccorsi di Patti, G. Rizzo, M. Colasanti, G. Musci
Neurosci. Lett. (2010) **470**, 145-149.
- 98. Role of external loops of human ceruloplasmin in copper loading by ATP7B and Ccc2p.**
N. Maio, F. Polticelli, G. De Francesco, G. Rizzo, M.C. Bonaccorsi di Patti, G. Musci
J. Biol. Chem.(2010) **285**, 20507-20513.
- 99. Interleukin-1 β induces ceruloplasmin and ferroportin-1 gene expression via MAP kinases and C/EBP β , AP-1 and NF- κ B activation**
T. Persichini, N. Maio, M.C. Bonaccorsi di Patti, G. Rizzo, M. Colasanti, G. Musci
Neurosci. Lett. (2010) **484**, 133-138.
- 100. Iron metabolism: the role of ferroportin and its connection with ferroxidases.**
M.C. Bonaccorsi di Patti, N. Maio, G. Musci.
In “Biochemical aspects of human nutrition” (L. Avigliano and L. Rossi eds.)
Research Signpost (2011) pp. 127-141.
- 101. Reactive oxygen species are involved in ferroportin degradation induced by ceruloplasmin mutant Arg701Trp.**
T. Persichini, G. De Francesco, C. Capone, A. Cutone, M.C. Bonaccorsi di Patti, M. Colasanti, G. Musci
Neurochem. Int. (2012) **60**, 360-364.

102. Cupricyclins, novel redox-active metallopeptides based on conotoxins scaffold.

M. Barba, A.P. Sobolev, V. Zobnina, M.C. Bonaccorsi di Patti, L. Cervoni, M.C. Spiezia, M.E. Schininà, D. Pietraforte, L. Mannina, G. Musci, F. Polticelli
PloS One (2012) 7, e30739.