

## Maria Rosa Ciriolo

### *Curriculum vitae*

- 2002 ad oggi: Prof. Ordinario di Biochimica, Dipartimento di Biologia, Facoltà di Scienze M.F.N., Università di Roma "Tor Vergata";
- 1994-2002: Prof. Ordinario di Biochimica, Dipartimento di Scienze Biomediche, Facoltà di Medicina e Chirurgia, Università di Chieti "G. D'Annunzio";
- 1993-1995: Supplente di Biochimica Macromolecolare, Dipartimento di Biologia, Facoltà di Scienze M.F.N., Università di Roma "Tor Vergata";
- 1983-1994: Ricercatore, Facoltà di Scienze M.F.N., Università di Roma "Tor Vergata";
- 1986-1988: Research Associate, Dipartimento di Farmacologia, Yeshiva University, New York, U.S.A.
- Dal 1982 è membro della Società Italiana di Biochimica.
- Dal 1983 è iscritta all'Ordine Nazionale dei Biologi.
- Dal 1993 fa parte del Consorzio Interuniversitario I.N.B.B. (Istituto Nazionale Biostrutture e Biosistemi).
- Dal 2002 è membro del Comitato Scientifico dell'Istituto Superiore di Sanità, sulla valutazione volontaria del rischio del rame.
- Dal 1° Novembre 2002 fa parte del Collegio dei Docenti del Dottorato in Biologia Cellulare e Molecolare presso il Dipartimento di Biologia, Facoltà di Scienze MM.FF.NN., Università di Roma "Tor Vergata".

#### **Publicazioni scelte dal 2005**

1. Dutra,F., **Ciriolo,M.R.**, Calabrese,L. and Bechara,EJ.H. Aminoacetone induces oxidative modification to human plasma ceruloplasmin. *Chem.Res.Toxicol.* 18, 755-760 (2005).
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4. Palamara,A.T., Nencioni,L., Aquilano,K., De Chiara,G., Hernandez,L., Cozzolino,F., **Ciriolo,M.R.** and Garaci,E. Inhibition of influenza A virus replication by resveratrol. *J.Infect. Dis.* 191, 1719-1729 (2005).
5. Turella,P., Cerella,C., Filomeni,G., Bullo,A., De Maria,F., Ghibelli,L., **Ciriolo,M.R.**, Cianfriglia,M., Mattei,M., Federici,G., Ricci,G. and Caccuri,A.M. Pro-apoptotic activity of new glutathione S-transferase inhibitors. *Cancer Res.* 65, 3751-3761 (2005).
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7. Cerchiaro,G., Aquilano,K., Filomeni,G., Rotilio,G., **Ciriolo,M.R.** and Da Costa Ferriera,A.M. Isatin-Schiff base Copper(II) complexes and their influence on cellular viability. *J.Inorg.Biochem.* 99, 1433-1440 (2005).
8. D'Alessio,M., De Nicola,M., Coppola,S., Gualandi,G., Pugliese,L., Cerella,C., Cristofanon,S., Civitareale,P., **Ciriolo,M.R.**, Bergamaschi,A. Magrini,A. and Ghibelli,L. Oxidative Bax dimerisation promotes its translocation independently of apoptosis. *FASEB J.* 19, 1504-1506 (2005).

9. Filomeni,G., Rotilio,G. and **Ciriolo,M.R.** Disulfide relays and phosphorylative cascade: partners in redox-mediated signaling pathways. *Cell Death Differ.* 12, 1555-1563 (2005).
10. Filomeni,G., Aquilano,K., Rotilio,G. and **Ciriolo,M.R.** Glutathione-related systems and modulation of extracellular signal-regulated kinases are involved in resistance of AGS adenocarcinoma gastric cells to diallyl disulfide-induced apoptosis. *Cancer Res.* 65, 11735-11742 (2005).
11. Marfè,G., De Martino,L., Filomeni,G., De Stefano,C., Giganti,M.G. Pagnini,U., Napoletano,F., Iovane,G., **Ciriolo,M.R.** and Sinibaldi Salimei,P. Degenerate PCR method for identification of an antiapoptotic gene in BHV-1. *J. Cell.Biochem.* 97, 813-823 (2006).
12. De Martino,A., Filomeni,G., Aquilano,K., **Ciriolo,M.R.** and Rotilio,G. Effects of water garlic extracts on cell cycle and viability of HepG2 hepatoma cells. *J.Nutr.Biochem.* 17, 742-749 (2006).
13. Filomeni,G. and **Ciriolo,M.R.** Redox control of apoptosis: An Update. *Antiox.Redox Signal* 8, 2187-2192 (2006).
14. Turella,P., Filomeni,G., Dupuis,M.L., **Ciriolo,M.R.**, Molinari,A., De Maria,F., Tombesi,M., Cianfruglia,M., Federici,G., Ricci,G. and Caccuri,A.M. A strong glutathione S-transferase inhibitor overcomes the P-glycoprotein mediated resistance in tumor cells. NBDHEX triggers a caspase-dependent apoptosis in MDR1-expressing leukemia cells. *J Biol Chem.* 281, 23725-23732 (2006).
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18. Carlini,P., Ferranti,P., Polizio,F., **Ciriolo,M.R.** and Rotilio,G. Purification and characterization of alpha-fetoprotein from the human hepatoblastoma HepG2 cell line in serum-free medium. *Biometals* 20, 869-878 (2007).
19. Aquilano,K., Filomeni,G., Di Renzo,L., Di Vito, P., Di Stefano,C., Sinibaldi Salimei,P., **Ciriolo,M.R.** and Marfè,G. Reactive oxygen and nitrogen species are involved in sorbitol-induced apoptosis of human erithroleukaemia cells K562. *Free Rad.Res.* 41, 452-460 (2007).
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