

Pubblicazioni Area Ricerca di base e preclinica AA 2012 - 2013

1. Cisplatin-induced apoptosis inhibits autophagy, which acts as a pro-survival mechanism in human melanoma cells. Del Bello B, Toscano M, Moretti D, **Maellaro E**. PLoS One. 2013;8(2):e57236.
2. The role of preoperative oxidative stress and mandibular third molar postoperative outcome. Chisci G, De Felice C, Parrini S, **Signorini C**, Leoncini S, **Ciccoli L**, Volpi N, Capuano A. Int J Oral Maxillofac Surg. 2013 Aug 8.
3. Isoprostanes and 4-hydroxy-2-nonenal: markers or mediators of disease? Focus on Rett syndrome as a model of autism spectrum disorder. **Signorini C**, De Felice C, Durand T, Oger C, Galano JM, Leoncini S, Pecorelli A, Valacchi G, **Ciccoli L**, Hayek J. Oxid Med Cell Longev. 2013;2013:343824.
4. Scavenger receptor B1 post-translational modifications in Rett syndrome. Sticozzi C, Belmonte G, Pecorelli A, Cervellati F, Leoncini S, **Signorini C**, **Ciccoli L**, De Felice C, Hayek J, Valacchi G. FEBS Lett. 2013 Jul 11;587(14):2199-204.
5. Isoprostanes and neuroprostanes: Total synthesis, biological activity and biomarkers of oxidative stress in humans. Galano JM, Mas E, Barden A, Mori TA, **Signorini C**, De Felice C, Barrett A, Opere C, Pinot E, Schwedhelm E, Benndorf R, Roy J, Le Guennec JY, Oger C, Durand T. Prostaglandins Other Lipid Mediat. 2013 May 2.
6. Revealing the complexity of a monogenic disease: rett syndrome exome sequencing. Grillo E, Lo Rizzo C, Bianciardi L, Bizzarri V, Baldassarri M, Spiga O, Furini S, De Felice C, **Signorini C**, Leoncini S, Pecorelli A, **Ciccoli L**, Mencarelli MA, Hayek J, Meloni I, Ariani F, Mari F, Renieri A. PLoS One. 2013;8(2):e56599.
7. F(2)-Dihomo-isoprostanes and brain white matter damage in stage 1 Rett syndrome. Durand T, De Felice C, **Signorini C**, Oger C, Bultel-Poncé V, Guy A, Galano JM, Leoncini S, **Ciccoli L**, Pecorelli A, Valacchi G, Hayek J. Biochimie. 2013 Jan;95(1):86-90.
8. F2-Isoprostanes in soft oral tissues and degree of oral disability after mandibular third molar surgery. Parrini S, Chisci G, Leoncini S, **Signorini C**, Volpi N, Capuano A, **Ciccoli L**, De Felice C. Oral Surg Oral Med Oral Pathol Oral Radiol. 2012 Sep;114(3):344-9.
9. The role of oxidative stress in Rett syndrome: an overview. De Felice C, **Signorini C**, Leoncini S, Pecorelli A, Durand T, Valacchi G, **Ciccoli L**, Hayek J. Ann N Y Acad Sci. 2012 Jul;1259:121-35.
10. Non-protein-bound iron and 4-hydroxynonenal protein adducts in classic autism. Pecorelli A, Leoncini S, De Felice C, **Signorini C**, Cerrone C, Valacchi G, **Ciccoli L**, Hayek J. Brain Dev. 2013 Feb;35(2):146-54.
11. Partial rescue of Rett syndrome by ω -3 polyunsaturated fatty acids (PUFAs) oil. De Felice C, **Signorini C**, Durand T, **Ciccoli L**, Leoncini S, D'Esposito M, Filosa S, Oger C, Guy A, Bultel-Poncé V, Galano JM, Pecorelli A, De Felice L, Valacchi G, Hayek J. Genes Nutr. 2012 Jul;7(3):447-58.

12. Morphological changes and oxidative damage in Rett Syndrome erythrocytes. **Ciccoli L**, De Felice C, Paccagnini E, Leoncini S, Pecorelli A, **Signorini C**, Belmonte G, Valacchi G, Rossi M, Hayek J. *Biochim Biophys Acta*. 2012 Apr;1820(4):511-20.
13. Subclinical myocardial dysfunction in Rett syndrome. De Felice C, Maffei S, **Signorini C**, Leoncini S, Lunghetti S, Valacchi G, D'Esposito M, Filosa S, Della Ragione F, Butera G, Favilli R, **Ciccoli L**, Hayek J. *Eur Heart J Cardiovasc Imaging*. 2012 Apr;13(4):339-45.
14. Downregulation of NOX4 Expression by Roflumilast N-Oxide Reduces Markers of Fibrosis in Lung Fibroblasts. Vecchio D, Acquaviva A, Arezzini B, Tenor H, Martorana PA, **Gardi C**. *Mediators Inflamm*. 2013;2013:745984.
15. Signaling pathways involved in isoprostane-mediated fibrogenic effects in rat hepatic stellate cells. Acquaviva A, Vecchio D, Arezzini B, Comporti M, **Gardi C**. *Free Radic Biol Med*. 2013 Jun 20;65C:201-207.
16. NRF2 activation is involved in ozonated human serum upregulation of HO-1 in endothelial cells. Pecorelli A, Bocci V, Acquaviva A, Belmonte G, **Gardi C**, Virgili F, **Ciccoli L**, Valacchi G. *Toxicol Appl Pharmacol*. 2013 Feb 15;267(1):30-40.
17. Cigarette smoke and ozone effect on murine inflammatory responses. **Gardi C**, Valacchi G. *Ann N Y Acad Sci*. 2012 Jul;1259:104-11.
18. Cigarette smoke affects keratinocytes SRB1 expression and localization via H2O2 production and HNE protein adducts formation. Sticozzi C, Belmonte G, Pecorelli A, Arezzini B, **Gardi C**, Maioli E, Miracco C, Toscano M, Forman HJ, Valacchi G. *PLoS One*. 2012;7(3):e33592.
19. Transient knockdown of presenilin-1 provokes endoplasmic reticulum stress related formation of autophagosomes in HepG2 cells. Száraz P, Bánhegyi G, **Marcolongo P**, Benedetti A. *Arch Biochem Biophys*. 2013 Aug 11.
20. Multiple roles of glucose-6-phosphatases in pathophysiology: state of the art and future trends. **Marcolongo P**, **Fulceri R**, **Gamberucci A**, Czegle I, Banhegyi G, Benedetti A. *Biochim Biophys Acta*. 2013 Mar;1830(3):2608-18. Review.
21. The glucose-6-phosphate transport is not mediated by a glucose-6-phosphate/phosphate exchange in liver microsomes. **Marcolongo P**, **Fulceri R**, Giunti R, Margittai E, Banhegyi G, Benedetti A. *FEBS Lett*. 2012 Sep 21;586(19):3354-9.
22. p66Shc-dependent apoptosis requires Lck and CamKII activity. Patrussi L, Giommoni N, Pellegrini M, **Gamberucci A**, Baldari CT. *Apoptosis*. 2012 Feb;17(2):174-86.
23. Ligand-Dependent Activation of EGFR in Follicular Dendritic Cells Sarcoma is Sustained by Local Production of Cognate Ligands. Vermi W, **Giurisato E**, Lonardi S, Balzarini P, Rossi E, Medicina D, Bosisio D, Sozzani S, Pellegrini W, Doglioni C, Marchetti A, Rossi G, Pileri S, Facchetti F. *Clin Cancer Res*. 2013 Sep 5. [Epub ahead of print]

24. Obscurin is required for ankyrinB-dependent dystrophin localization and sarcolemma integrity. Randazzo D, **Giacomello E**, Lorenzini S, **Rossi D**, Pierantozzi E, Blaauw B, Reggiani C, Lange S, Peter AK, Chen J, **Sorrentino V**. *J Cell Biol.* 2013 Feb 18;200(4):523-
25. A proteolytic cleavage to separate the sarcolemma/T-tubule from the sarcoplasmic reticulum. **Sorrentino V**. *J Physiol.* 2013 Feb 1;591(Pt 3):601.
26. FGD1 as a central regulator of extracellular matrix remodelling--lessons from faciogenital dysplasia. Genot E, Daubon T, **Sorrentino V**, Buccione R. *J Cell Sci.* 2012 Jul 15;125(Pt 14):3265-70.
27. Role of triadin in the organization of reticulum membrane at the muscle triad. Fourest-Lieuvin A, Rendu J, Osseni A, Pernet-Gallay K, Rossi D, Oddoux S, Brocard J, **Sorrentino V**, Marty I, Fauré J. *J Cell Sci.* 2012 Jul 15;125(Pt 14):3443-53.
28. PPAR-alpha agonists as novel antiepileptic drugs: preclinical findings. Puligheddu M, Pillolla G, Melis M, Lecca S, Marrosu F, **De Montis MG**, Scheggi S, Carta G, Murru E, Aroni S, Muntoni AL, Pistis M. *PLoS One.* 2013 May 27;8(5):e64541.
29. PPAR α regulates cholinergic-driven activity of midbrain dopamine neurons via a novel mechanism involving $\alpha 7$ nicotinic acetylcholine receptors. Melis M, Scheggi S, Carta G, Madeddu C, Lecca S, Luchicchi A, Cadeddu F, Frau R, Fattore L, Fadda P, Ennas MG, Castelli MP, Fratta W, Schilstrom B, Banni S, **De Montis MG**, Pistis M. *J Neurosci.* 2013 Apr 3;33(14):6203-11.
30. Influence of palatability on motivation to operate for caloric and non-caloric food in non food-deprived and food-deprived rats. Scheggi S, Secci ME, Marchese G, **De Montis MG**, **Gambarana C**. *Neuroscience.* 2013 Apr 16;236:320-31.
31. Anti-anhedonic activity of long-term lithium treatment in rats exposed to repeated unavoidable stress. Marchese G, Scheggi S, Secci ME, **De Montis MG**, **Gambarana C**. *Int J Neuropsychopharmacol.* 2013 Aug;16(7):1611-21.
32. Identification of cancer stem cells from human glioblastomas: growth and differentiation capabilities and CD133/prominin-1 expression. Gambelli F, Sasdelli F, Manini I, **Gambarana C**, Oliveri G, Miracco C, **Sorrentino V**. *Cell Biol Int.* 2012 Jan;36(1):29-38.
33. Downregulation of hypoxia-related responses by novel antitumor histone deacetylase inhibitors in MDAMB231 breast cancer cells. **Naldini A**, Filippi I, Cini E, Rodriquez M, **Carraro F**, Taddei M. *Anticancer Agents Med Chem.* 2012 May;12(4):407-13.
34. Hypoxia affects dendritic cell survival: role of the hypoxia-inducible factor-1 α and lipopolysaccharide. **Naldini A**, Morena E, Pucci A, Miglietta D, Riboldi E, Sozzani S, **Carraro F**. *J Cell Physiol.* 2012 Feb;227(2):587-95.
35. A novel CB2 agonist, COR167, potently protects rat brain cortical slices against OGD and reperfusion injury. Contartese A, Valoti M, Corelli F, Pasquini S, Mugnaini C, **Pessina F**, Aldinucci C, Sgaragli G, Frosini M. *Pharmacol Res.* 2012 Dec;66(6):555-63.

36. Effects of gold and silver nanoparticles in cultured human osteoarthritic chondrocytes. Pascarelli NA, **Moretti E**, Terzuoli G, Lamboglia A, **Renieri T**, Fioravanti A, **Collodel G**. *J Appl Toxicol*. 2013 Sep 11. doi: 10.1002/jat.2912. [Epub ahead of print]
37. Alterations of the FSH and LH receptor genes and evaluation of sperm ultrastructure in men with idiopathic hypergonadotropic hypogonadism. **Collodel G**, Cantara S, Di Cairano G, **Moretti E**, Taglianetti S, Pacini F. *J Assist Reprod Genet*. 2013 Jul 25. [Epub ahead of print]
38. The time-dependent effects of prostate granules and seminal plasma on the capacitation, acrosome reaction, and motility of rabbit sperm. Castellini C, Mattioli S, Ruggeri S, Dal Bosco A, **Collodel G**. *Anim Reprod Sci*. 2013 Jul;140(1-2):97-102. doi: 10.1016/j.anireprosci.2013.05.002. Epub 2013 May 14.
39. Antioxidants inhibit SAA formation and pro-inflammatory cytokine release in a human cell model of alkaptonuria. Spreafico A, Millucci L, Ghezzi L, Geminiani M, Braconi D, Amato L, Chellini F, Frediani B, **Moretti E**, **Collodel G**, Bernardini G, Santucci A. *Rheumatology (Oxford)*. 2013 Sep;52(9):1667-73.
40. Effects of regenerative radioelectric asymmetric conveyor treatment on human normal and osteoarthritic chondrocytes exposed to IL-1 β . A biochemical and morphological study. **Collodel G**, Fioravanti A, Pascarelli NA, Lamboglia A, Fontani V, Maioli M, Santaniello S, Pigliaru G, Castagna A, **Moretti E**, Iacoponi F, Rinaldi S, Ventura C. *Clin Interv Aging*. 2013;8:309-16.
41. The effect of radio electric asymmetric conveyor treatment on sperm parameters of subfertile stallions: a pilot study. **Collodel G**, Rinaldi S, **Moretti E**, Fontani V, Castagna A, Iacoponi F, Terzuoli G, Cubeddu F, Careddu GM, Cossu I, Passino ES. *Reprod Biol*. 2012 Nov;12(3):277-84. doi: 10.1016/j.repbio.2012.09.007. Epub 2012 Oct 22.
42. In vitro effect of gold and silver nanoparticles on human spermatozoa. **Moretti E**, Terzuoli G, **Renieri T**, Iacoponi F, Castellini C, Giordano C, **Collodel G**. *Andrologia*. 2012 Nov 1. doi: 10.1111/and.12028. [Epub ahead of print]
43. Effect of quercetin, rutin, naringenin and epicatechin on lipid peroxidation induced in human sperm. **Moretti E**, Mazzi L, Terzuoli G, Bonechi C, Iacoponi F, Martini S, Rossi C, **Collodel G**. *Reprod Toxicol*. 2012 Dec;34(4):651-7.
44. Light, polarizing, and transmission electron microscopy: three methods for the evaluation of sperm quality. **Collodel G**, Iacoponi F, Mazzi L, Terzuoli G, Pascarelli NA, **Moretti E**. *Syst Biol Reprod Med*. 2013 Feb;59(1):27-33.
45. Polysorbate 80 and *Helicobacter pylori*: a microbiological and ultrastructural study. Figura N, Marcolongo R, Cavallo G, Santucci A, **Collodel G**, Spreafico A, **Moretti E**. *BMC Microbiol*. 2012 Sep 22;12:217. doi: 10.1186/1471-2180-12-217.
46. Genetic variation in SPAG16 regions encoding the WD40 repeats is not associated with reduced sperm motility and axonemal defects in a population of infertile males.

- Nagarkatti-Gude DR, Collodel G, Hill LD, Moretti E, Geminiani M, Zhang Z, Strauss JF 3rd. BMC Urol. 2012 Sep 10;12:27.
47. Secretion patterns and effect of prostate-derived granules on the sperm acrosome reaction of rabbit buck. Castellini C, Mourvaki E, Cardinali R, **Collodel G**, Lasagna E, Del Vecchio MT, Dal Bosco A. Theriogenology. 2012 Sep 1;78(4):715-23.
48. Immunolocalization of aquaporin 7 in human sperm and its relationship with semen parameters. **Moretti E**, Terzuoli G, Mazzi L, Iacoponi F, **Collodel G**. Syst Biol Reprod Med. 2012 Jun;58(3):129-35.
49. Influence of Helicobacter pylori infection on levels of ghrelin and obestatin in human semen. **Moretti E**, **Collodel G**, Campagna MS, Franci MB, Iacoponi F, Mazzi L, Figura N. J Androl. 2012 Sep-Oct;33(5):938-43. Epub 2011 Dec 15.
50. Role of rabbit prostate granules on sperm viability and acrosome reaction evaluated with different methods.
51. **Collodel G**, Cardinali R, **Moretti E**, Mattioli S, Ruggeri S, Castellini C. Theriogenology. 2012 Mar 15;77(5):1021-6.
52. Effect of a bacterial lipopolysaccharide treatment on rabbit testis and ejaculated sperm. **Collodel G**, Castellini C, del Vecchio MT, Cardinali R, Geminiani M, Rossi B, Spreafico A, **Moretti E**. Reprod Domest Anim. 2012 Jun;47(3):372-8. 17.
53. Factors modulating the outcome of treatment for the eradication of Helicobacter pylori infection. Figura N, **Moretti E**, Vaglio L, Langone F, Vernillo R, Vindigni C, Giordano N. New Microbiol. 2012 Jul;35(3):335-40.
54. cagA structural types of Helicobacter pylori strains isolated from patients with gastric carcinoma and chronic gastritis only. Figura N, **Moretti E**, Roviello F, Papini F, Marrelli D. Intern Emerg Med. 2012 Sep;7 Suppl 2:S103-5. doi: 10.1007/s11739-012-0759-z. Epub 2012 Feb 5. No abstract available.
55. Morphometric analysis of intralobular, interlobular and pleural lymphatics in normal human lung. Sozio F, Rossi A, **Weber E**, Abraham DJ, Nicholson AG, Wells AU, Renzoni EA, Sestini P. J Anat. 2012 Apr;220(4):396-404.