

Curriculum Vitae

ESPERIENZA LAVORATIVA

• **Periodo lavorativo (dal 29/07/1996 – al 31/08/1996)**

• Nome della struttura

West Midlands Regional Genetic Services of Birmingham (UK)
(Prof. Maj Hulten)

• Campo di studio

Pediatria, metabolismo, genetica and biologia molecolare

• Ruolo presso la struttura

Visiting student

• **Periodo lavorativo (dal 01/08/1997 – al 01/09/1997)**

• Nome della struttura

International Center for Interdisciplinary Studies of Immunology,
Georgetown University (Prof. Joseph Bellanti)

• Campo di studio

Pediatria, metabolismo, immunologia

• Ruolo presso la struttura

Visiting student

• **Periodo lavorativo (from 2002 – to 2004)**

• Nome della struttura

Department of Pharmacology, New York Medical College,
Valhalla, NY (Prof. Nader G. Abraham)

• Campo di studio

Eme Ossigenasi, Malattie cardiovascolari, Stress Ossidativo

• Ruolo presso la struttura

Research Associate

• **Periodo lavorativo (dal 2005 – al 2006)**

• Nome della struttura

Dipartimento di Anatomia Umana, Università di Brescia, Brescia
(Italia) (Prof. Luigi Rodella)

• Campo di studio

Eme Ossigenasi, Fisiologia renale, Stress Ossidativo

• Ruolo presso la struttura

Postdoctoral Fellow

• **Periodo lavorativo (dal 2006 – ad oggi)**

• Nome della struttura

Dipartimento di Chimica Biologica, Facoltà di Farmacia,
Università di Catania

• Campo di Studio

Eme Ossigenasi, Stress Ossidativo

• Ruolo presso la struttura

Professore Associato di Biochimica

CARRIERA SCOLASTICA

• **Periodo (dal 1994 – al 2000)**

• Nome della struttura

Università di Catania, Facoltà di Medicina

• Campo di studio

Pediatria, Biochimica, Patologia

• Titolo conseguito

Dottore in Medicina e Chirurgia

• Votazione

110/110 e lode e proposta al premio "Longo"

• **Periodo (dal 2000 – al 2004)**

• Nome della struttura

Università di Catania, Dipartimento di Pediatria

- Campo di Studio Pediatria, Biochimica
- Titolo conseguito Dottore di ricerca
- Votazione 70/70 e lode

- **Dates (2006)**

- Nome della struttura Università' di Catania, Fondazione CRUI
- Campo di Studio Operative Management of Research Projects

Attività Didattica

Dal 2007 ad oggi: Biochimica Sistemica Umana ed Applicata (BIO/10) presso il Corso di Laurea in Farmacia dell'Università degli Studi di Catania (9 CFU), Facoltà di Farmacia, Università di Catania

Dal 2008 al 2012: Biochimica Sistemica Umana ed Applicata (BIO/10) presso il Corso di Laurea in Farmacia dell'Università degli Studi di Catania (9 CFU) (Corso M-Z), Facoltà di Farmacia, Università di Catania

Tecniche di diagnosi biomolecolare, Master in "Scienze Biomolecolari", Università di Catania

Attività organizzativa

- Dal 2010 a tutt'oggi: Direttore del Dipartimento di Medicina dello stress presso l'Istituto EuroMediterraneo di Scienza e Tecnologia, Palermo
- Ha fatto parte del comitato organizzatore dei seguenti congress: Congresso nazionale della Società Italiana di Biochimica; Inflammation, oxidative stress and Metabolic diseases

Attività scientifica

Finanziamenti per la ricerca

Role of heme oxygenase-1 in endothelial homeostasis" granted by the University of Catania (Years 2007-2008). The aim of this research is directed at elucidating the role of Heme oxygenase in renal protection.

"Role of natural heme oxygenase-1 inducers in non alcoholic steatohepatitis" granted by IBI pharmaceuticals. The aim of this research is directed at elucidating the putative role of Heme oxygenase in liver protection in db/db mice developing insulin resistance.

"Role of antioxidants in organ protection" " granted by the University of Catania (Years 2008-2009). The aim of this research is directed at elucidating the role of antioxidants in organ protection during different experimental conditions

"Mechanisms by which selective head cooling during CPR decreases cerebral and myocardial ischemic injury" granted by American Heart Association (2010-2013). The present research will elucidate the pathophysiological mechanism(s) underlying brain and heart injury following cardiac arrest

ESF COST Action BM0806 'Recent advances in histamine receptor H4R research', financed by EU-FP7

"Role of adrenomedullin in the treatment of respiratory distress syndrome", founded by Chiesi Foundation

Attività di Scientific Editing

Plos One, FASEB Journal, Circulation, Trends In Cardiovascular Medicine, Clinical Chemistry, Antioxidants & Redox Signaling, PlosOne, The International Journal Of

Biochemistry & Cell Biology, American Journal Of Physiology - Renal Physiology, Toxicology, Toxicology Letters, Experimental And Molecular Pathology, American Journal Of Obstetrics & Gynecology, Pharmacological Research, International Journal Of Immunopathology And Pharmacology, The Medical Gas Research, Journal Of Neuroimmunology, Journal Of Gastroenterology And Hepatology Research, Alimentary Pharmacology & Therapeutics, Current Pharmaceutical Design, Cells Tissues Organs, Current Enzyme Inhibition, European Journal Of Pharmacology, Acta Pharmacologica Sinica, Frontiers In Bioscience, Neuroscience Letters, Digestive And Liver Disease, Microscopy Research And Technique, PPAR Research, Minerva Anestesiologica, Journal Of Plant Physiology, Obesity, Current Eye Research, Immunity & Ageing, Microvascular Research, The Tohoku Journal Of Experimental Medicine, Critical Care, Journal Of Cellular And Molecular Medicine, Current Alzheimer Research, Journal Of Anatomy, European Journal Of Anaesthesiology, The Scandinavian Journal Of Clinical & Laboratory Investigation, BMC Cancer, Neuroscience

Publicazioni ultimi cinque anni

1: Li Volti G. Pharmacological and molecular targets in cellular redox status maintenance. *Curr Pharm Des.* 2012 Oct 18. [Epub ahead of print] PubMed PMID:23092329.

2: Tibullo D, Barbagallo I, Giallongo C, La Cava P, Parrinello N, Vanella L, Stagno F, Palumbo GA, Li Volti G, Di Raimondo F. Nuclear translocation of heme oxygenase-1 confers resistance to Imatinib in chronic myeloid leukemia cells. *Curr Pharm Des.* 2012 Oct 18. [Epub ahead of print] PubMed PMID: 23092325.

3: Barbagallo I, Galvano F, Frigiola A, Cappello F, Riccioni G, Murabito P, D'Orazio N, Torella M, Gazzolo D, Li Volti G. Potential Therapeutic Effects of Natural Heme Oxygenase-1 Inducers in Cardiovascular Diseases. *Antioxid Redox Signal.* 2012 Nov 6. [Epub ahead of print] PubMed PMID: 23025298.

4: Di Giacomo C, Acquaviva R, Santangelo R, Sorrenti V, Vanella L, Li Volti G, D'Orazio N, Vanella A, Galvano F. Effect of Treatment with Cyanidin-3-O- β -D-Glucoside on Rat Ischemic/Reperfusion Brain Damage. *Evid Based Complement Alternat Med.* 2012;2012:285750. Epub 2012 Sep 13. PubMed PMID: 23008739; PubMed Central PMCID: PMC3449154.

5: Risso FM, Sannia A, Gavilanes DA, Vles HJ, Colivicchi M, Ricotti A, Li Volti G, Gazzolo D. Biomarkers of brain damage in preterm infants. *J Matern Fetal Neonatal Med.* 2012 Oct;25 Suppl 4:101-4. doi: 10.3109/14767058.2012.715024.

6: Bramanti V, Tomassoni D, Grasso S, Bronzi D, Napoli M, Campisi A, Li Volti G, Ientile R, Amenta F, Avola R. Cholinergic Precursors Modulate the Expression of Heme Oxygenase-1, p21 During Astroglial Cell Proliferation and Differentiation in

Culture. *Neurochem Res.* 2012 Sep 7. [Epub ahead of print] PubMed PMID: 22956150.

7: Picone S, Ritieni A, Fabiano A, Troise AD, Graziani G, Paolillo P, Li Volti G, D'Orazio N, Galvano F, Gazzolo D. Arterial cord blood lutein levels in preterm and term healthy newborns are sex and gestational age dependent. *Clin Biochem.* 2012 Aug 3. [Epub ahead of print] PubMed PMID: 22885018.

8: Salamone F, Li Volti G, Titta L, Puzzo L, Barbagallo I, La Delia F, Zelber-Sagi S, Malaguarnera M, Pelicci PG, Giorgio M, Galvano F. Moro orange juice prevents fatty liver in mice. *World J Gastroenterol.* 2012 Aug 7;18(29):3862-8. PubMed PMID: 22876038; PubMed Central PMCID: PMC3413058.

9: Li Volti G, Musumeci T, Pignatello R, Murabito P, Barbagallo I, Carbone C, Gullo A, Puglisi G. Antioxidant potential of different melatonin-loaded nanomedicines in an experimental model of sepsis. *Exp Biol Med (Maywood).* 2012 Jun;237(6):670-7. doi: 10.1258/ebm.2012.011425. Epub 2012 Jun 22. PubMed PMID:22728708.

10: Vecchio M, Malaguarnera G, Giordano M, Malaguarnera M, Li Volti G, Galvano F, Drago F, Basile F, Malaguarnera M. A musician's dystonia. *Lancet.* 2012 Jun 2;379(9831):2116. PubMed PMID: 22656885.

11: Salamone F, Galvano F, Cappello F, Mangiameli A, Barbagallo I, Li Volti G. Silibinin modulates lipid homeostasis and inhibits nuclear factor kappa B activation in experimental nonalcoholic steatohepatitis. *Transl Res.* 2012 Jun;159(6):477-86. Epub 2012 Jan 2. PubMed PMID: 22633099.

12: Scavuzzo A, Favilla V, Cimino S, Madonia M, Li Volti G, Morgia G. [The relationship between oxidative stress and obesity in prostate disease]. *Urologia.* 2012 Apr-Jun;79(2):156-8. doi: 10.5301/RU.2012.9206. Italian. PubMed PMID: 22522464.

13: Masella R, Santangelo C, D'Archivio M, Li Volti G, Giovannini C, Galvano F. Protocatechuic acid and human disease prevention: biological activities and molecular mechanisms. *Curr Med Chem.* 2012;19(18):2901-17. Review. PubMed PMID:22519395.

14: Berretta M, Lleshi A, Fisichella R, Berretta S, Basile F, Li Volti G, Bolognese A, Biondi A, De Paoli P, Tirelli U, Cappellani A. The role of nutrition in the development of esophageal cancer: what do we know? *Front Biosci (Elite Ed).* 2012 Jan 1;4:351-7. Review. PubMed PMID: 22201877.

- 15: Barbagallo I, Marrazzo G, Frigiola A, Zappala A, Li Volti G. Role of carbon monoxide in vascular diseases. *Curr Pharm Biotechnol*. 2012 May;13(6):787-96. Review. PubMed PMID: 22201604.
- 16: Salamone F, Galvano F, Marino Gammazza A, Paternostro C, Tibullo D, Bucchieri F, Mangiameli A, Parola M, Bugianesi E, Li Volti G. Silibinin improves hepatic and myocardial injury in mice with nonalcoholic steatohepatitis. *Dig Liver Dis*. 2012 Apr;44(4):334-42. doi: 10.1016/j.dld.2011.11.010.
- 17: Malaguarnera M, Vacante M, Giordano M, Motta M, Bertino G, Pennisi M, Neri S, Malaguarnera M, Li Volti G, Galvano F. L-carnitine supplementation improves hematological pattern in patients affected by HCV treated with Peg interferon- α 2b plus ribavirin. *World J Gastroenterol*. 2011 Oct 21;17(39):4414-20.
- 18: Malaguarnera M, Vacante M, Russo C, Gargante MP, Giordano M, Bertino G, Neri S, Malaguarnera M, Galvano F, Li Volti G. Rosuvastatin reduces nonalcoholic fatty liver disease in patients with chronic hepatitis C treated with α -interferon and ribavirin: Rosuvastatin reduces NAFLD in HCV patients. *Hepat Mon*. 2011 Feb;11(2):92-8. PubMed PMID: 22087124; PubMed Central PMCID: PMC3206670.
- 19: Bellissima V, Visser GH, Ververs TF, van Bel F, Termote JU, van der Heide M, Florio P, Li Volti G, Gazzolo D. Antenatal maternal antidepressants drugs affect Activin A concentrations in maternal blood, in amniotic fluid and in fetal cord blood. *J Matern Fetal Neonatal Med*. 2011 Oct;24 Suppl 2:31-4. PubMed PMID: 21767104.
- 20: Marrazzo G, Bosco P, La Delia F, Scapagnini G, Di Giacomo C, Malaguarnera M, Galvano F, Nicolosi A, Li Volti G. Neuroprotective effect of silibinin in diabetic mice. *Neurosci Lett*. 2011 Oct 31;504(3):252-6. Epub 2011 Sep 28. PubMed PMID: 21970972.
- 21: Malaguarnera M, Vacante M, Antic T, Giordano M, Chisari G, Acquaviva R, Mastrojeni S, Malaguarnera G, Mistretta A, Li Volti G, Galvano F. Bifidobacterium longum with fructo-oligosaccharides in patients with non alcoholic steatohepatitis. *Dig Dis Sci*. 2012 Feb;57(2):545-53. Epub 2011 Sep 8. PubMed PMID: 21901256.
- 22: Rodriguez F, Lopez B, Perez C, Fenoy FJ, Hernandez I, Stec DE, Li Volti G, Salom MG. Chronic tempol treatment attenuates the renal hemodynamic effects induced by a heme oxygenase inhibitor in streptozotocin diabetic rats. *Am J Physiol Regul Integr Comp Physiol*. 2011 Nov;301(5):R1540-8. Epub 2011 Aug 17. PubMed PMID: 21849637.

23: Scazzocchio B, Vari R, Filesi C, D'Archivio M, Santangelo C, Giovannini C, Iacovelli A, Silecchia G, Li Volti G, Galvano F, Masella R. Cyanidin-3-O- β -glucoside and protocatechuic acid exert insulin-like effects by upregulating PPAR γ activity in human omental adipocytes. *Diabetes*. 2011 Sep;60(9):2234-44. Epub 2011 Jul 25. PubMed PMID: 21788573; PubMed Central PMCID: PMC3161313.

24: Li Volti G, Salomone S, Sorrenti V, Mangiameli A, Urso V, Siarkos I, Galvano F, Salamone F. Effect of silibinin on endothelial dysfunction and ADMA levels in obese diabetic mice. *Cardiovasc Diabetol*. 2011 Jul 14;10:62. PubMed PMID: 21756303; PubMed Central PMCID: PMC3152512.

25: Marrazzo G, Bellner L, Halilovic A, Li Volti G, Drago F, Dunn MW, Schwartzman ML. The role of neutrophils in corneal wound healing in HO-2 null mice. *PLoS One*. 2011;6(6):e21180. Epub 2011 Jun 17. PubMed PMID: 21695050; PubMed Central PMCID: PMC3117875.

26: Stacchiotti A, Li Volti G, Lavazza A, Schena I, Aleo MF, Rodella LF, Rezzani R. Different role of Schisandrin B on mercury-induced renal damage in vivo and in vitro. *Toxicology*. 2011 Aug 15;286(1-3):48-57. Epub 2011 May 17. PubMed PMID: 21616119.

27: Salamone F, Galvano F, Li Volti G. Insulin resistance links non-alcoholic fatty liver to cardiovascular diseases. *Hepatology*. 2011 May;53(5):1785-6. doi: 10.1002/hep.24115. PubMed PMID: 21520192.

28: Novo G, Cappello F, Rizzo M, Fazio G, Zambuto S, Tortorici E, Marino Gammazza A, Corrao S, Zummo G, De Macario EC, Macario AJ, Assennato P, Novo S, Li Volti G. Hsp60 and heme oxygenase-1 (Hsp32) in acute myocardial infarction. *Transl Res*. 2011 May;157(5):285-92. doi: 10.1016/j.trsl.2011.01.003. Epub 2011 Feb 5.

29: Malaguarnera M, Vacante M, Giordano M, Pennisi G, Bella R, Rampello L, Malaguarnera M, Li Volti G, Galvano F. Oral acetyl-L-carnitine therapy reduces fatigue in overt hepatic encephalopathy: a randomized, double-blind, placebo-controlled study. *Am J Clin Nutr*. 2011 Apr;93(4):799-808. Epub 2011 Feb 10. PubMed PMID: 21310833.

30: Li Volti G, Zappalà A, Leggio GM, Mazzola C, Drago F, La Delia F, Serapide MF, Pellitteri R, Giannone I, Spatuzza M, Cicerata V, Cicerata F. Tin chloride enhances parvalbumin-positive interneuron survival by modulating heme metabolism in a model of cerebral ischemia. *Neurosci Lett*. 2011 Mar 29;492(1):33-8. Epub 2011 Jan 27. PubMed PMID: 21276833.

31: Gazzolo D, Abella R, Frigiola A, Giamberti A, Tina G, Nigro F, Florio P, Colivicchi M, Temporini F, Ricotti A, Li Volti G, Galvano F. Neuromarkers and unconventional biological fluids. *J Matern Fetal Neonatal Med.* 2010 Oct;23 Suppl 3:66-9. Review. PubMed PMID: 20836729.

32: Salamone F, Li Volti G. Targeting heme oxygenase/adiponectin axis for chronic hepatitis C treatment. *Hepatology.* 2010 Aug;52(2):801. PubMed PMID: 20683976.

33: Salamone F, Galvano F, Li Volti G. Treating fatty liver for the prevention of cardiovascular diseases. *Hepatology.* 2010 Sep;52(3):1174-5. PubMed PMID: 20658467.

34: Salamone F, Galvano F, Li Volti G. Apolipoprotein C3 gene variants in nonalcoholic fatty liver disease. *N Engl J Med.* 2010 Jul 8;363(2):194-5; author reply 195. PubMed PMID: 20653078.

35: Gullo A, Foti A, Murabito P, Li Volti G, Astuto M, Stissi C, Rubulotta F, Sanfilippo F, Santonocito C, Sganga G, Ristagno G. Spectrum of sepsis, mediators, source control and management of bundles. *Front Biosci (Elite Ed).* 2010 Jun 1;2:906-11. Review. PubMed PMID: 20515762.

36: Sciacca P, Betta P, Mattia C, Li Volti G, Frigiola A, Curreri S, Amato M, Distefano G. Pentraxin-3 in late-preterm newborns with hypoxic respiratory failure. *Front Biosci (Elite Ed).* 2010 Jun 1;2:805-9. PubMed PMID: 20515753.

37: Vadalà S, Calderera G, Cinardi N, Manusia M, Li Volti G, Giannone G. Serous cystadenocarcinoma of the pancreas with portal thrombosis. *Clin Ter.* 2010;161(2):149-52. PubMed PMID: 20499029.

38: Pomara C, D'Errico S, Zummo L, Cappello F, Li Volti G. MDMA administration and heat shock proteins response: foreseeing a molecular link. *Curr Pharm Biotechnol.* 2010 Aug;11(5):496-9. PubMed PMID: 20420569.

39: Vadala' S, Caldara G, Li Volti G, Biondi A, Giannone G. Laparoscopic enucleation of a jejunal mesenteric cyst: a case report. *Clin Ter.* 2010;161(1):63-4. PubMed PMID: 20393682.

40: Song F, Shan Y, Cappello F, Rappa F, Ristagno G, Yu T, Li Volti G, Sun S, Weil MH, Tang W. Apoptosis is not involved in the mechanism of myocardial dysfunction after resuscitation in a rat model of cardiac arrest and cardiopulmonary resuscitation. *Crit Care Med.* 2010 May;38(5):1329-34. PubMed PMID: 20228676.

41: Malaguarnera M, Gargante MP, Russo C, Antic T, Vacante M, Malaguarnera M, Avitabile T, Li Volti G, Galvano F. L-carnitine supplementation to diet: a new tool in treatment of nonalcoholic steatohepatitis--a randomized and controlled clinical trial. *Am J Gastroenterol*. 2010 Jun;105(6):1338-45. Epub 2010 Jan 12. PubMed PMID: 20068559.

42: Sanfilippo F, Li Volti G, Ristagno G, Murabito P, Pellis T, Astuto M, Gullo A. Clinical biomarkers in brain injury: a lesson from cardiac arrest. *Front Biosci (Schol Ed)*. 2010 Jan 1;2:623-40. Review. PubMed PMID: 20036973.

43: Scapagnini G, Caruso C, Vasto S, Pascale A, Romeo L, D'Agata V, Intrieri M, Sapere N, Li Volti G. Genetic risk factors and candidate biomarkers for Alzheimer's disease. *Front Biosci (Schol Ed)*. 2010 Jan 1;2:616-22. Review. PubMed PMID: 20036972.

44: Ristagno G, Santonocito C, Li Y, Li Volti G, Gullo A. Biomarkers of myocardial injury after cardiac arrest or myocardial ischemia. *Front Biosci (Schol Ed)*. 2010 Jan 1;2:373-91. Review. PubMed PMID: 20036954.

45: Florio P, Abella R, Marinoni E, Di Iorio R, Li Volti G, Galvano F, Pongiglione G, Frigiola A, Pinzauti S, Petraglia F, Gazzolo D. Biochemical markers of perinatal brain damage. *Front Biosci (Schol Ed)*. 2010 Jan 1;2:47-72. Review. PubMed PMID: 20036928.

46: Ruggieri M, Pavone P, Scapagnini G, Romeo L, Lombardo I, Li Volti G, Corsello G, Pavone L. The aristaless (Arx) gene: one gene for many "interneuronopathies". *Front Biosci (Elite Ed)*. 2010 Jan 1;2:701-10. Review. PubMed PMID: 20036914.

47: Tina LG, Frigiola A, Abella R, Tagliabue P, Ventura L, Paterlini G, Li Volti G, Pinzauti S, Florio P, Bellissima V, Minetti C, Gazzolo D. S100B protein and near infrared spectroscopy in preterm and term newborns. *Front Biosci (Elite Ed)*. 2010 Jan 1;2:159-64. PubMed PMID: 20036866.

48: Florio P, Frigiola A, Battista R, Abdalla Ael H, Gazzolo D, Galleri L, Pinzauti S, Abella R, Li Volti G, Strambi M. Activin A in asphyxiated full-term newborns with hypoxic ischemic encephalopathy. *Front Biosci (Elite Ed)*. 2010 Jan 1;2:36-42. PubMed PMID: 20036850.

49: Li Volti G, Galvano F, Frigiola A, Guccione S, Di Giacomo C, Forte S, Tringali G, Caruso M, Adekoya OA, Gazzolo D. Potential immunoregulatory role of heme oxygenase-1 in human milk: a combined biochemical and molecular modelling approach. *J Nutr Biochem*. 2010 Sep;21(9):865-71. Epub 2009 Oct 31. PubMed PMID:19879747.

50: Praticò AD, Pavone P, Scuderi MG, Li Volti G, Bernardini R, Cantarella G, Pavone L. Symptomatic hypocalcemia in an epileptic child treated with valproic acid plus lamotrigine: a case report. *Cases J.* 2009 Jun 17;2:7394. PubMed PMID: 19829950; PubMed Central PMCID: PMC2740006.

51: Vadalà S, Aronica G, Biondi A, Magnano V, Valastro M, Li Volti G, Cordio S, Giannone G. Distal pancreatectomy with en bloc resection of the celiac axis for pancreatic adenocarcinoma. *Clin Ter.* 2009;160(4):287-90. PubMed PMID: 19795078.

52: Stacchiotti A, Li Volti G, Lavazza A, Rezzani R, Rodella LF. Schisandrin B stimulates a cytoprotective response in rat liver exposed to mercuric chloride. *Food Chem Toxicol.* 2009 Nov;47(11):2834-40. Epub 2009 Sep 9. PubMed PMID:19747521.

53: Malaguarnera M, Gargante MP, Malaguarnera G, Salmeri M, Mastrojeni S, Rampello L, Pennisi G, Li Volti G, Galvano F. Bifidobacterium combined with fructo-oligosaccharide versus lactulose in the treatment of patients with hepatic encephalopathy. *Eur J Gastroenterol Hepatol.* 2010 Feb;22(2):199-206. PubMed PMID:19730107.

54: Gazzolo D, Abella R, Marinoni E, di Iorio R, Li Volti G, Galvano F, Frigiola A, Temporini F, Moresco L, Colivicchi M, Sabatini M, Ricotti A, Strozzi MC, Crivelli S, Risso FM, Sannia A, Florio P. New markers of neonatal neurology. *J Matern Fetal Neonatal Med.* 2009;22 Suppl 3:57-61. Review. PubMed PMID: 19718579.

55: Galvano F, Li Volti G, Malaguarnera M, Avitabile T, Antic T, Vacante M, Malaguarnera M. Effects of simvastatin and carnitine versus simvastatin on lipoprotein(a) and apoprotein(a) in type 2 diabetes mellitus. *Expert Opin Pharmacother.* 2009 Aug;10(12):1875-82. PubMed PMID: 19618992.

56: Malaguarnera M, Vacante M, Motta M, Malaguarnera M, Li Volti G, Galvano F. Effect of L-carnitine on the size of low-density lipoprotein particles in type 2 diabetes mellitus patients treated with simvastatin. *Metabolism.* 2009 Nov;58(11):1618-23. Epub 2009 Jul 15. PubMed PMID: 19604523.

57: Tina LG, Frigiola A, Abella R, Artale B, Puleo G, D'Angelo S, Musmarra C, Tagliabue P, Li Volti G, Florio P, Gazzolo D. Near Infrared Spectroscopy in healthy preterm and term newborns: correlation with gestational age and standard monitoring parameters. *Curr Neurovasc Res.* 2009 Aug;6(3):148-54. Epub 2009 Aug 1. PubMed PMID: 19534722.

58: Garnier Y, Frigiola A, Li Volti G, Florio P, Frulio R, Berger R, Alm S, von Duering MU, Coumans AB, Reis FM, Petraglia F, Hasaart TH, Abella R, Mufeed H, Gazzolo D. Increased maternal/fetal blood S100B levels following systemic endotoxin administration and periventricular white matter injury in preterm fetal sheep. *Reprod Sci.* 2009 Aug;16(8):758-66. Epub 2009 Jun 12. PubMed PMID:19525402.

59: Zimbone M, Baeri P, Barcellona ML, Li Volti G, Bonaventura G, Viscuso O. Light scattering study of natural DNAs over a wide range of molecular weights: Evidence for compaction of the large molecules. *Int J Biol Macromol.* 2009 Oct 1;45(3):242-7. Epub 2009 May 29. PubMed PMID: 19482041.

60: Di Rosa M, Zambito AM, Marsullo AR, Li Volti G, Malaguarnera L. Prolactin induces chitotriosidase expression in human macrophages through PTK, PI3-K, and MAPK pathways. *J Cell Biochem.* 2009 Aug 1;107(5):881-9. PubMed PMID: 19415692.

61: Galvano F, Frigiola A, Gazzolo D, Biondi A, Malaguarnera M, Li Volti G. Endothelial protective effects of anthocyanins: the underestimated role of their metabolites. *Ann Nutr Metab.* 2009;54(2):158-9. Epub 2009 Apr 22. PubMed PMID:19390167.

62: Gazzolo D, Abella R, Marinoni E, Di Iorio R, Li Volti G, Galvano F, Pongiglione G, Frigiola A, Bertino E, Florio P. Circulating biochemical markers of brain damage in infants complicated by ischemia reperfusion injury. *Cardiovasc Hematol Agents Med Chem.* 2009 Apr;7(2):108-26. Review. PubMed PMID: 19355873.

63: Li Volti G, Basile F, Murabito P, Galvano F, Di Giacomo C, Gazzolo D, Vadalà S, Azzolina R, D'Orazio N, Mufeed H, Vanella L, Nicolosi A, Basile G, Biondi A. Antioxidant properties of anesthetics: the biochemist, the surgeon and the anesthetist. *Clin Ter.* 2008 Nov-Dec;159(6):463-9. Review. PubMed PMID: 19169610.

64: Acquaviva R, Lanteri R, Li Destri G, Caltabiano R, Vanella L, Lanzafame S, Di Cataldo A, Li Volti G, Di Giacomo C. Beneficial effects of rutin and L-arginine coadministration in a rat model of liver ischemia-reperfusion injury. *Am J Physiol Gastrointest Liver Physiol.* 2009 Mar;296(3):G664-70. Epub 2008 Dec 24. PubMed PMID: 19109403.

65: Li Volti G, Sorrenti V, Acquaviva R, Murabito P, Gullo A, Barcellona ML, Galvano F, Rodella L, Rezzani R, Vanella L, Tringali G, Caruso M, Gazzolo D, Di Giacomo C. Effect of ischemia-reperfusion on renal expression and activity of N(G)-N(G)-dimethylarginine dimethylaminohydrolases. *Anesthesiology.* 2008 Dec;109(6):1054-62. PubMed PMID: 19034102.

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