

*Curriculum Vitæ*  
*Luca Tiano*

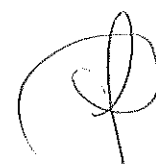


Born in Genoa April 1971

- 1996            Degree in Biological Sciences 110/110 e lode –Genova University
- 1997 /2001    PhD in Biochemistry at the University of Camerino. Thesis subject: *Trout erythrocyte as a model for the study of oxidative stress and ROS damage in ageing and environmental pollution*
- 2001/2002    EU Marie Curie Fellowship for the study: *Analysis of stress-induced gene expression in fishred blood cells after in vivo exposure to organotin pollutants* , Marine Laboratory – FisheriesResearch Service, Aberdeen University, Scotland.
- 2002/2003    Postdoc fellowship Dep. Biology MCA– University of Camerino : *Radicali Nitroxides as antioxidants in biological systems*
- 2003/2004    Postdoc fellowship Institute of Biochemistry Polytechnic University of Marche  
*Modulation of apoptosis in in cell cultures, effect od lipophilic antioxidants.*
- 2004/2005    Postdoc fellowship Institute of Biochemistry Polytechnic University of Marche  
*Role of oxidative stress in endothelial dysfunction, effect of lypophilic antioxidants.*
- 2005/2010    Contract Researcher. Institute of Biochemistry Polytechnic University of Marche
- 2011 on        Researcher in Biochemistry Polytechnic University of Marche , Department of Clinical Sciences, Faculty of Medicine.

## *Biosketch*

Since 1997, Dr. Luca Tiano has been involved in research on oxidative stress and the use of antioxidants in cellular models or in vivo both under physiological conditions or in pathologies associated with an altered redox status. During his Ph.D. training in Biochemistry at the University of Camerino (1997-2001) he utilized models of oxidative DNA damage and mitochondrial dysfunction involving fish erythrocytes to test the protective effects of natural and synthetic antioxidants. Moreover, he has been involved in eco-toxicological research regarding oxidative damage induced by environmental xenobiotics. Within this area of research was selected to conduct a European Community research project at the Marie Curie Training Site held by The University of Aberdeen and FRS, in Scotland. Since 2002 he has been a researcher at the Department of Clinical Sciences at the Polytechnic University of Marche, Ancona, Italy. He is involved in joint research projects with Children's Hospital, Salesi and the Heart Institute, Lancisi. His main research activities presently concern the health effects of Coenzyme Q10 in healthy subjects and under pathological conditions associated with enhanced oxidative stress. Particular interest has been involved in research on bioavailability and biological effects of vitamins and antioxidants in nutritional supplements and functional foods. These research have seen the active collaboration with biotechnology industries (Kaneka, Gnosis), food supplement industries (Jarrow Formulas, Pharmanord), food companies (Parmalat, Oleificio Costa d'oro, LatterieMerano) Cosmetic and pharmaceutical companies (Angelini, Beiersdorf). He teaches Biochemistry at the faculty of health professional Sciences and supervises 4 PhD students and one post Doc. Among academic collaborations he has an active collaboration, funded with a three year grant by the Italian Ministry of Foreign Affairs with the South African Medical Research Council (Prof. C. Muller) and a collaboration with the Institute of Myology, Université Pierre et Marie Curie, Paris 6 (Prof. G. Butler-Browne) funded by the France Embassy in Italy. He is author of 77 papers on international peer reviewed journals (H factor 19). He is on the board of the European Society of Comparative Biochemistry and Physiology and Executive Committee Member of the International Coenzyme Q10 Association. In 2014 he received the national scientific habilitation for Associate Professor in Biochemistry and in Applied Biology from the Italian Ministry of Research and University.



## Publications

- 1: MINCARELLI, L., VISCHETTI, C., CRAFT, J., TIANO, L. DNA damage in different *Eisenia andrei* coelomocytes sub-populations after in vitro exposure to hydrogen peroxide *SpringerPlus* 2016 5 (1), 302
- 2: PRATTICHIZZO F, GIULIANI A, RECCHIONI R, BONAFÈ M, MARCHESELLI F, DE CAROLIS S, CAMPANATI A, GIULIODORI K, RIPPO MR, BRUGÈ F, TIANO L, MICUCCI C, CERIELLO A, OFFIDANI A, PROCOPIO AD, OLIVIERI F. Anti-TNF- $\alpha$  treatment modulates SASP and SASP-related microRNAs in endothelial cells and in circulating angiogenic cells. *Oncotarget*. 2016 Mar 2. doi: 10.18632/oncotarget.7858
- 3: BRUGÈ F, DAMIANI E, MARCHEGGIANI F, OFFERTA A, PUGLIA C, TIANO L. A comparative study on the possible cytotoxic effects of different nanostructured lipid carrier (NLC) compositions in human dermal fibroblasts. *Int J Pharm*. 2015 Nov 30;495(2):879-85. doi: 10.1016/j.ijpharm.2015.09.033. Epub 2015 Sep 21. PubMed PMID: 26392245.
- 4: BACCHETTI T, TULLI D, MASCIANGELO S, GESUITA R, SKRAMI E, BRUGÈ F, SILVESTRI S, ORLANDO P, TIANO L, FERRETTI G. Effect of a barley-vegetable soup on plasma carotenoids and biomarkers of cardiovascular disease. *J Clin Biochem Nutr*. 2015 Jul;57(1):66-73. doi: 10.3164/jcfn.15-11. Epub 2015 Jun 5. PubMed PMID: 26236103; PubMed Central PMCID: PMC4512895.
- 5: SILVESTRI S, ORLANDO P, ARMENI T, PADELLA L, BRUGÈ F, SEDDAIU G, LITTARRU GP, TIANO L. Coenzyme Q10 and  $\alpha$ -lipoic acid: antioxidant and pro-oxidant effects in plasma and peripheral blood lymphocytes of supplemented subjects. *J Clin Biochem Nutr*. 2015 Jul;57(1):21-6. doi: 10.3164/jcfn.14-130. Epub 2015 Apr 16. PubMed PMID: 26236096; PubMed Central PMCID: PMC4512890.
- 6: SKARABAHATAVA AS, LUKYANENKO LM, SLOBOZHANINA EI, FALCIONI MI, ORLANDO P, SILVESTRI S, TIANO L, FALCIONI G. Plasma and mitochondrial membrane perturbation induced by aluminum in human peripheral blood lymphocytes. *J Trace Elem Med Biol*. 2015 Jul;31:37-44. doi: 10.1016/j.jtemb.2015.02.002. Epub 2015 Mar 20. PubMed PMID: 26004890.
7. ORLANDO P, SONIA S, BRUGÈ F, TIANO L, KLOTING I, FALCIONI G & POLIDORI C. (2014) High fat diet-induced met-hemoglobin formation in rats prone (WOKW) or resistant (DA) to the metabolic syndrome: effect of CoQ10 supplementation *Biofactors in press*
- 8: PAGANO G, AIELLO TALAMANCA A, CASTELLO G, CORDERO MD, D'ISCHIA M, GADALETA MN, PALLARDÓ FV, PETROVIĆ S, TIANO L, ZATTERALE A. (2014) Current Experience in Testing Mitochondrial Nutrients in Disorders Featuring Oxidative Stress and Mitochondrial Dysfunction: Rational Design of Chemoprevention Trials. *Int J Mol Sci*. 15(11):20169-20208.
9. OLIVIERI F, BONAFÈ M, SPAZZAFUMO L, GOBBI M, PRATTICHIZZO F, RECCHIONI R, MARCHESELLI F, LA SALA L, GALEAZZI R, RIPPO MR, FULGENZI G, ANGELINI S, LAZZARINI R, BONFIGLI AR, BRUGÈ F, TIANO L, GENOVESE S, CERIELLO A, BOEMI M, FRANCESCHI C, PROCOPIO AD AND TESTA R (2014) Age- and glycemia-related miR-126-3p levels in plasma and endothelial cells. *Ageing* 6(9):771-87.



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16. DAMIANI E, BACCHETTI T, PADELLA L, TIANO L, CARLONI P (2014) Antioxidant activity of different white teas: Comparison of hot and cold tea infusions *J. Foodcomp. Anal.* 33(1):59-66
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19. CARLONI P; TIANO L; PADELLA L; BACCHETTI T; CUSTOMU C; KAY A; DAMIANI E (2013) Antioxidant activity of white, green and black tea obtained from the same tea cultivar *Food Research International* 53:900-908
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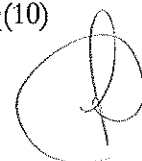
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35. **TIANO L**, CARNEVALI P, PADELLA L, SANTORO L, BRUGÈ F, PRINCIPI F, CARLE F, GESUITA R, GABRIELLI O, LITTARRU G.P (2011). Effect of coenzyme Q10 in mitigating oxidative DNA damage in down syndrome patients, a double blind randomized controlled trial. *Neurobiology Of Aging*, 32(11):2103-5
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37. VARGIU R, LITTARRU GP, FRASCHINI M, PERINU A, **TIANO L**, CAPRA A, MANCINELLI R (2010). Enhancement of shortening velocity, power, and acto-myosin crossbridge (CB) kinetics following long-term treatment with propionyl-L-carnitine, coenzyme Q10, and omega-3 fatty acids in BIO TO-2 cardiomyopathic Syrian hamsters papillary muscle. BIOFACTORS, vol. 36; p. 229-239
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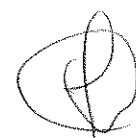
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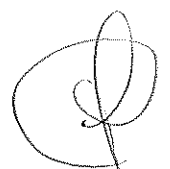
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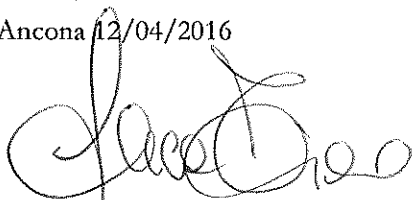
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Ancona 12/04/2016

A handwritten signature in black ink, appearing to read 'Tiano L.', written in a cursive style.