Università di Genova

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Professor of Physiology (SSD BIO/09), School of Sciences, University of Genova

AFFILIATION

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BIBLIOMETRIC INDICES (UPDATED October 2025)

Total Citations, including self-citations: 2936 (Scopus)

Hirsch Index (H index): 32 (Scopus)

Total products: 110 (Scopus)

EDUCATION AND TRAINING

1981 High school Diploma with full marks, Liceo Classico Andrea D'Oria, Genova, Italy in

1986 Five-years Degree 'Laurea' in Biology (110/110 cum laude), University of Genova, School of Sciences. Field of Study: Molecular Biophysics

1987 Qualification to the Profession of Biologist (150/150), University of Genova

1997 PhD in Biophysics, University of Genova, School of Medicine. Thesis: "Role of chromatin structure in the cell cycle regulation"

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ACADEMIC HISTORY

1987-1988 Research Fellow at the Institute of Biophysics, School of Medicine, University of Genova

1989 Research Fellow in Molecular Biology at the FELS Research Institute for Cancer Research and Molecular Biology, Temple University of Philadelphia

1989-1991 PhD student in Biophysics, at the Institute of Biophysics, School of Medicine, University of Genova

1992-1993 Post-doctoral Fellow at the Institute of Biophysics, University of Genova

1994-2000 Researcher in Biophysics (SSD E10X-Biofisica) at the School of Medicine, University of Genova

2001 Grading in the SSD BI0/09–Physiology

2002-2013 Assistant Professor in Physiology at the Department of Biology, School of Sciences, University of Genova

2015 - Associated Professor of Physiology, School of Sciences, University of Genova

INSTITUTIONAL ACTIVITIES

Since 2012 Member of the Scientific Commission of DiSTAV.

Since 2016 Member of the teaching board of the PhD program in Sciences and Technologies program on "Sciences and Technologies for Environment and Hearth" (STAT) University of Genova.

Since 2018 Member of the Committee for the Biomedical Sciences - Istituto Studi Superiori – IANUA-ISSUGE University of Genova.

AREA OF EXPERTISE

Molecular and Cellular Physiology; Molecular Biology; Biophysics; Biochemistry

Università di Genova

TEACHING

Since 1992 teaching at the Faculty of Medicine and the Faculty of Sciences (University if Genova) for several bachelor degrees.

1992-2010 Course of 'Biophysics', School of Medicine; University of Genova

2007-2011 Course of 'Applied Physiology', Degree in Biological Sciences

2011-2014 Course of 'Molecular Physiology', Degree in Biological Sciences

2000-2010 'Biophysics', School of Medical Specialization in Anesthesia, Orthopedics, Vascular Surgery

2010 - 'Human Physiology', School of Medical Specialization in Medical Physics

2012 - 'Human Physiology'; Degree in Chemistry

2015 - 'Molecular Physiology' Degree in Biological Sciences

2015 - 'Animal Physiology' Degree in Environmental Sciences

2018 - 'General Physiology' Degree in Biological Sciences

UNDERGRADUATES TUTORING

Supervisor of more than 50 thesis for students at the School of Sciences and School of Medicine, 7 PhD master's thesis, 15 Postdocs, several of whom now hold permanent positions in national (University, CNR) or international Laboratories.

PHD TUTORING AND POSTDOCTORAL FELLOWS

Supervisor of more than 30 thesis for students at the Faculty of Sciences and of Medicine, 5 PhD master's thesis, 8 Postdocs, several of whom now hold permanent positions in national (University, CNR) or international Laboratories.

EDITORSHIP OR PARTICIPATION IN EDITORIAL BOARDS OF JOURNALS, PUBLISHING SERIES

Editorial Board Member of many scientific journals

Reviewer for more than 20 international scientific journals

GRANT REVIEWER/AGENCY

Reviewer for different national projects (CNR, PRIN)

Reviewer for GEV 05 of the ANVUR agency (National Agency for evaluating University and Research products) for the period 2004-2010 (VQR 2004-2010).

Reviewer for the Scientific Projects of FWF Austrian Science Fund' (Austria)

Reviewer for the University of Padova for local grants

RESEARCH ACTIVITY

The main subjects of investigation focused on Molecular and Cellular Physiology and Biophysics. During her thesis activity she has investigated the role of cyclic GMP as a second messenger on light responses of the toad retina, and, more in general, the signal transduction mechanisms in invertebrate retina.

In 1987 she has begun investigating the mechanisms through which the structure of a biopolymer can modulate its function and adapt to diverse environmental conditions. By using a combination of experimental techniques ranging from cell and molecular biology, biochemistry, biophysics (calorimetry, spectroscopy, citofluorimetry, quantitative microscopy and image analysis) she studied the role of chromatin/DNA structure and nuclear architecture in regulating gene expression in mammalian cells and tissues. The published results showed that cell morphometry reflects on chromatin structure and function thus supporting a model of cellular regulation in which a flow of information sequentially connects cell morphology – nuclear architecture – chromatin structure - gene expression. Other important results showed that structural and functional modifications of nuclear chromatin are associated to the outcome and/or progression of important genetic or infective diseases.

Since 2001 the research activity of Dr. Vergani has been also devoted to investigate the structure/function relationship of proteins. She cloned, expressed, purified and characterized the human histone H4, the catalytic subunit of the human casein kinase 2, and different metallothioneins from aquatic organisms. The most important appreciation for her studies in this last field has been the invitation to contribute with a chapter for Volume 5 'Metallothioneins and Related Chelators' of the series Metal Ions in Life Sciences.

A prosecution of the research activity on metallothioneins has been to investigate their role as a defense mechanism against oxidative stress, with particular attention to their possible role in some physiological and pathological conditions such as hepatic steatosis, neurodegenerative diseases (Amyotrophic Lateral Sclerosis, Multiple Sclerosis), behavior disorders (Autism and Rett syndrome) or dependences /Alcohol).

Since 2010 the interest of Prof. Vergani has extended to investigate the mechanisms of regulation of lipid homeostasis in the mammalian liver both at the level of isolated heapatocytes (primary cultured rat hepatocytes or immortalized cell lines, such as FaO and MH1C1 cells) and at the level of whole organ. In particular, the mechanisms

of action of thyroid hormones and their derivatives (T2) in preventing and improving the liver steatosis in rat has been investigated. In the last years the study has been extended to the hepatoprotective effects of some natural compounds as polyphenols. In the recent period she has extended to investigate the process of adipogenesis using in vitro models of obesity.

GRANT SUPPORT AS PRINCIPAL INVESTIGATOR

- CNR: Programma CNR 5% -Biomolecole per la salute "Espressione, purificazione e caratterizzazione strutturale della CK2 umana" Anno 2000/2001
- Ateneo di Genova: "Morfologia nucleare e struttura-funzione della cromatina" Anno 2000.
- Ateneo di Genova: 'Effetto di campi magnetici a bassa frequenza sulla struttura-funzione della cromatina nucleare'
- CNR: Programma CNR 5% -Biomolecole per la salute "Espressione, purificazione e caratterizzazione strutturale della CK2 umana" Anno 2001/2002.
- Ateneo di Genova: "Alterazioni della struttura della cromatina e dell'architettura nucleare in line cellulari linfoblastotidi isolate da pazienti affetti da Atassia Telangiectasia" Anno 2001.
- Ateneo di Genova: "Caratterizzazione struttura/funzione di metallotioneine di organismi acquatici" Anno 2002.
- CNR: Programma CNR 5% -Biomolecole per la salute "Espressione, purificazione e caratterizzazione strutturale della CK2 umana" Anno 2003/2004. Euro 20.000
- Ateneo di Genova: "Il sistema metalli/metallotioneine nella sindrome autistica" Anno 2006.
- Ateneo di Genova: "Stress ossidativo ed induzione dell'espressione delle metallotioneine nel Sistema nervoso centrale di topi con encefalo mielite sperimentale autoimmune" Anno 2008
- Fondazione CARIGE: "Studio del potenziale terapeutico e dell'attività antiinfiammatoria ed antiossidante di cellule staminali mesenchimali in modelli animali di malattie degenerative del sistema nervoso centrale" Anno 2010.
- Compagnia San Paolo di Torino: "Patologia alcolica: livelli di metallotioneine e stress ossidativo nel sangue di pazienti come potenziale marker di epatopatia alcolica" Anno 2011.
- Ateneo di Genova: "Attività immunomodulante di cellule staminali mesenchimali umane: modulazione dell'espressione di molecole di adesione coinvolte nell'extravasazione linfocitaria" Anno 2011.
- Associazione Italiana Sindrome di Rett (AIR): "Studio dell'eterogeneità clinica in un'ampia coorte di pazienti con sindrome di Rett mediante un approccio biochimico-molecolare" Anno 2011-2013Ateneo di Genova: "Attività immunomodulante di cellule staminali mesenchimali umane: modulazione

dell'espressione di molecole di adesione coinvolte nell'extravasazione linfocitaria" Anno 2011.

- Ateneo di Genova: "Studio di molecole naturali con possibile azione anti-steatosica ed antiossidante in sistemi in vitro di steatosi epatica" Anno 2013
- PRIMA Call Section 2, Multi-topics 2022 THEMATIC AREA: Multi-Topics Topic 3: Thematic Area 3-Food value chain Topic 2.3.1-2022 (RIA) Enabling the transition to healthy and sustainable dietary behaviour TYPE OF ACTION: (RIA) Research and Innovation actionAgri-Food value chain Title "Box for Health by Tradition & Innovation: promoting sustainable mediterranean diet by Healthy Foods" Anno 2023-2027

Full-length publications

1. I.M. Pepe, A. Boero, L.Vergani, I. Panfoli, C. Cugnoli "Effect of light and calcium on cyclic GMP synthesis in rod outer segments of the toad retina" Biochimica et Biophysica Acta, 889, pp. 271-276, 1986
2. I.M. Pepe, C. Cugnoli, M. Peluso, L. Vergani, A. Boero "Structure of a protein catalyzing the formation of ll-cis retinal in the visual cycle of invertebrate eyes" Cell Biophysics, 10, pp. 15-22, 1987
3. C. Nicolini, A. Diaspro, L. Vergani, M. Bertolotto, P. Germano "Nuclear architecture and intranuclear DNA distribution nuclease digestion" Cell Biophysics, 13, 1, pp. 1-12, 1988
4. C. Nicolini, A. Diaspro, L. Vergani, G. Cittadini "In situ thermodynamic characterization of chromatin and of other cell macromolecules during cell cycle" International Journal Biological Macromolecules, 10, 3, pp. 137-144, 1988
5. C. Nicolini, L. Vergani L., A. Diaspro A., P. Scelza "Native chromatin and damage induced by nuclease" Biochemical and Biophysical Research Communications, 155, 3, pp. 1396- 1403, 1988
6. C. Nicolini, L. Vergani, A. Diaspro, E. Di Maria "Native chromatin-DNA structure and cell-cycle: differential scanning calorimetry and gel electrophoresis" Thermochimica Acta, 152, pp. 307-327, 1989
7. C. Nicolini, L. Vergani, A. Diaspro, P. Scelza "The true native chromatin-DNA structure and its role in the control of gene expression" in Macromolecules in the Functioning Cell (Eds. A.A. Bayev, A.D. Mizrzabekov, M.Y Timofeeva), Academy of Sciences, Pushchino Research Centre, 1991., vol. 6, pp. 15-31, 1991 (ISBN: 9785201105600)
8. C. Nicolini and L. Vergani "Possible effects of a geophysical variable on nuclear DNA structure and function" in: Progress in Biometereology: effects of atmospheric and geophysical variables in biology and medicine, (ed. H. Lieth), SPB Academic Publishing, Hague (Netherlands), vol. 8, pp. 150-158, 1991 (ISBN: 90 5103 061 4)
9. A. Diaspro, M. Bertolotto, L. Vergani, C. Nicolini "Polarized Light Scattering of Nucleosomes and polynucleosomes: in situ and in vitro studies" IEEE Transactions on Biomedical Engineering, 38, 7, pp. 670-678, 1991
10. C. Nicolini, A. Diaspro, M. Bertolotto, P. Facci and L. Vergani "Changes in DNA superhelical density monitored by polarized light scattering" Biochemical & Biophysical Research Communcations, 177, 3, pp. 1313-1318, 1991
11. L. Vergani, Gavazzo P., Mascetti G.C. and Nicolini C. "Effects of fixatives on high order chromatin structure; a calorimetric study" Thermochimica Acta, 206, pp. 175-179, 1992

12. L. Vergani, Gavazzo P., Facci P., A. Diaspro, Mascetti G., Arena N., L. Gaspa and Nicolini C. "Fluorescence cytometry of microtubules and nuclear DNA during cell-cycle and reverse transformation" Journal of Cellular Biochemistry, 50, pp. 201-209, 1992
13. L. Vergani, Gavazzo P., Mascetti G. and Nicolini C. "Ethidium Bromide intercalation and chromatin structure: a spectropolarimetric analysis" Biochemistry-US, 33, pp. 6578-6585, 1994
14. G. Mascetti, L. Vergani, A. Diaspro, S. Carrara, G. Radicchi, C. Nicolini "Effects of fixatives on calf thymocytes chromatin: 3D High Resolution Fluorescence Microscopy", Cytometry, 23, 2, pp. 110-125, 1996
15. P. Gavazzo, L. Vergani, G. Mascetti, C. Nicolini. "Effects of Histone acetylations on higher order chromatin structure and function", Journal of Cellular Biochemistry, 64, 3, pp. 466-475, 1997
16. L. Vergani, Mascetti G., Gavazzo P. and Nicolini C. "Ethidium Bromide intercalation and chromatin structure: a thermal analysis", Thermochimica Acta, 294, pp. 193-204, 1997
17. E. Maccioni, L. Vergani, A. Dembo, G. Mascetti, C. Nicolini "An X-ray small angle scattering study of chromatin as a function of fiber length" Molecular Biology Reports, 25, 2, pp. 73-86, 1998
18. L. Vergani, Mascetti G. and Nicolini C. "Effects of polyamines on higher-order folding of in situ chromatin" Molecular Biology Reports, 25, 4, pp. 237-244, 1998
19. L. Vergani., Fugazza G., Chessa L and Nicolini C. "Changes of chromatin condensation in Ataxia telangiectasia disorder: a structural study" Journal of Cellular Biochemistry, 75, 4, pp. 578-586, 1999
20. L. Vergani, Mascetti G.and Nicolini C. "Changes of in situ chromatin structure and organization induced by increasing temperature" Journal of Biomolecular Structure and Dynamics vol 18, issue 4, pp. 535-544, 2001
21. G. Mascetti, Carrara S. and L. Vergani "Relationship between fiber folding and dye uptake for in situ chromatin stained with a DNA-selective dye" Cytometry 44, 2, pp. 113-119, June, 2001
22. L. Vergani, Caneva F., Ghisellini P. and Nicolini C., "Expression, purification and structural characterization of human histone H4" Protein Expression and Purification vol. 24, issue 3, pp.420-428, April 2002
23. B. Spadiliero, Nicolini C., Mascetti G., Henriquez D. and Vergani L., "Chromatin of Trypanosoma cruzi: in situ analysis revealed its unusual structure and nuclear organization" Journal of Cellular Biochemistry, 85, pp. 798-808, 2002
24. L. Vergani, Grattarola M., Dondero F. and Viarengo A., "Expression, purification and characterization of metallothionein A from rainbow trout" Protein Expression and Purification Feb,27(2), pp. 338-34, 2003
25. L. Emionite, F. Galmozzi, P. Raffo, L. Vergani and S. Toma 'Retinoids and Malignant Melanoma: a Pathway of Proliferation inhibition on SK MEL28 cell line" Anticancer Research 23, pp. 13-20, 2003
26. E. Grasselli, G. Noviello, C. Rando, C. Nicolini and L. Vergani 'Expression, purification and characterization of a novel mutant of the human protein kinase CK2' Molecular Biology Reports June,2 (30), pp. 97-106, 2003
27. S. Toma, Emionite L., Galmozzi F., Spadini N. and L. Vergani 'Chemoprevention of tumors: the role of RAR-beta' International Journal of Biological Markers Jan-Mar;18(1), pp. 78-81, 2003
28. E. Pulsinelli, Vasile F., Vergani L., Parodi S. and Nicolini C. "Structural characterization of Int and Int-H1 peptides by Circular Dichroism and NMR spectroscopy" Protein and Peptide Letters Dec,10(6)541-549 2003
29. M. Grattarola, S. Spaggiari, L. Chessa, C. Savio, C. Nicolini and L. Vergani "A structural characterization of in situ chromatin on cell lines isolated from patients affected by Ataxia

Telangiectasia" International Journal of Biological Macromolecules Nov 33,1(3), pp. 23-29, 2003
30. E. Grasselli, V. Tomati, M. Berbasconi, C. Nicolini and L. Vergani "C terminal region of protein kinase CK2: how the structure can affect function and stability of the catalytic subunit" Journal of Cellular Biochemistry May,15, 92(2), pp. 270-284, 2004
31. L. Vergani, M. Grattarola and C. Nicolini "Modifications of chromatin structure and gene expression induced alterations of cellular shape" The International Journal of Biochemistry & Cell Biology 36(8), pp. 1447-1461, 2004
32. L. Emionite, F. Galmozzi, M. Grattarola, F. Boccardo, L. Vergani and S. Toma "Histone Deacetylase Inhibitors enhance retinoid response in human breast cancer cell lines" Anticancer Research Nov-Dec, 24(6), pp.4019-4024, 2004
33. L. Vergani, M. Grattarola, C. Borghi, F. Dondero and A. Viarengo "Fish and molluscan metallothioneins: structural and functional comparison" The FEBS Journal (European Journal of Biochemistry), Dec,272(23), pp. 6014-6023, 2005
34. F. Dondero, L. Piacentini, F. Marsano, M. Rebelo, L. Vergani, P. Venier, A.Viarengo "Gene transcription profiling in pollutant exposed mussels (Mytilus spp.) using a new low-density oligonucleotide microarray" Gene July,5;376(1), pp. 24-36, 2006
35. M. Grattarola, C. Borghi, L. Emionite, P. Lulli, L. Chessa and L.Vergani "Modifications of nuclear architecture and chromatin organization in ataxia telangiectasia cells are coupled to changes of gene transcription" Journal of Cellular Biochemistry Nov,1;99(4), pp. 1148-64, 2006
36. M. Grattarola, M. Carloni, F. Dondero, A. Viarengo and L. Vergani "Expression, purification and preliminary characterization of mussel Mytilus galloprovincialis metallothionein MT20" Molecular Biology Reports, Dec,33(4), pp. 265-72, 2006
37. L. Vergani, C. Lanza, C.Borghi, L. Scarabelli, I. Panfoli, B. Burlando, A. Viarengo, G. Gallo "Effects of growth hormone and cadmium on the transcription regulation of two metallothionein isoforms" Molecular and Cellular Endocrinology, Jan,15;263(1-2), pp. 29-37, 2007
38. L. Canesi, C. Borghi, R. Fabbri, C. Ciacci, L. C. Lorusso, G. Gallo and L. Vergani, "Effects of 17β-estradiol on mussel digestive gland". General & Comparative Endocrinology, Aug-Sep;153(1-3), pp.40-46, 2007
39. L. Vergani, M. Grattarola, E. Grassell, F. Dondero and A. Viarengo "Molecular characterization and function analysis of MT-10 and MT-20 metallothionein isoforms from Mytilus galloprovincialis" Archives of Biochemistry and Biophysics, Sep,1;465(1), pp. 47-53, 2007
40. L. Canesi, C. Borghi, C. Ciacci, R. Fabbri, L. Vergani and G. Gallo "Bisphenol A alters gene expression and functional parameters in molluscan hepatopancreas" Molecular and Cellular Endocrinology, Sep 30;276(1-2), pp. 36-44, 2007
41. E. Grasselli, L. Canesi, A. Voci, I. Demori, E. Fugassa, R. De Matteis and L. Vergani "Effects of 3,5-diiodo-L-thyronine administration on the liver of high-fat diet fed rats" Experimental Biology and Medicine May,233(5), pp. 549-557, 2008
42. A. Buico, C. Cassino, F. Dondero, L. Vergani , D. Osella 'Radical scavenging abilities of fish MT-A and mussel MT-10 metallothionein isoforms: an ESR Study' Journal of Inorganic Biochemistry Apr,102(4), pp. 921-927, 2008
43. L. Canesi, C. Borghi, C. Ciacci, R. Fabbri,LC Lorusso, L. Vergani, A. Marcomini, G. Poiana "Short-term effects of environmentally relevant concentrations of EDC mixtures on Mytilus galloprovincialis digestive gland" Aquatic Toxicology May,30;87(4), pp. 272-279, 2008
44. L. Vergani "Metallothioneins in aquatic organisms: fish, crustaceans, molluscs and echinoderms" in the series Metal ions in life sciences Vol 5 "Metallothioneins and Related Chelators" (eds A. Sigel, H. Sigel, and R.K.O. Sigel), Royal Society of Chemistry Publishing, Cambridge, UK, pp. 199-233, 2009 (ISBN: 978-1-84755-899-2)

45. G. Digilio, o C. Bracc, L. Vergani, M. Botta, D. Osella, A. Viarengo "The cadmium binding domains in the metallothionein isoform Cd7-MT10 from Mytilus galloprovincialis revealed by NMR spectroscopy" Journal of Biological Inorganic Chemistry Feb;14(2), pp. 167-178, 2009
46. L. Vergani, C. Lanza, L. Scarabelli, L. Canesi, G. Gallo "Heavy metal and growth hormone pathways in metallothionein regulation" Comparative Biochemistry and Physiology, C Toxicol Pharmacol May;149(4), pp. 572-580, 2009
47. D. Calzia, I. Panfoli, S. Ravera, E. Dazzi, S. Gandolfo, IM Pepe, L. Vergani, AM Morelli "Structural modification of proteins by direct electric current from low voltage" Journal of Biochemical & Molecular Toxicology Sep;23(5), pp. 309-317, 2009
48. C. Lanza., S. Morando., A. Voci., L. Canesi., C. Principato., G. Mancardi., A. Uccelli. and L. Vergani. "Neuroprotective Mesenchymal Stem Cells exert a potent antioxidant effect in vivo" Journal of Neurochemistry Sep;110(5), pp. 1674-1684, 2009
49. E. Grasselli, A. Voci, C. Pesce, L. Canesi, E. Fugassa, G. Gallo. and L. Vergani "PAT protein mRNA expression in primary rat hepatocytes: effects of exposure to fatty acids" International Journal of Molecular Medicine Apr;25(4), pp. 505-512, 2010
50. L. Canesi, C. Barmo, R. Fabbri, C. Ciacci, L. Vergani, P. Roch, G. Gallo "Effects of vibrio challenge on digestive gland biomarkers and antioxidant gene expression in Mytilus galloprovincialis" Comp Biochem Physiol C Toxicol Pharmacol. Sep;152(3), pp. 399-406, 2010
51. E. Grasselli, A. Voci, L. Canesi, F. Goglia, S. Ravera, I. Panfoli, G. Gallo and L Vergani "Non-receptor mediated actions are responsible for the lipid-lowering effects of iodothyronines in FaO rat hepatoma cells" Journal of Endocrinology Jul;210(1), pp. 59-69, 2011 (DOI: 10.1530/JOE-11-0074)
52. L. Vergani, C. Lanza, P. Rivaro, M. Abelmoschi, S. Genti, E. Veneselli, G. Minniti, E. Grasselli, L. Canesi, A. Voci "Metals, metallothioneins and oxidative stress in blood of autistic children" Research in Autism Spectrum Disorders 5 (1), pp. 286-293, 2011 (DOI 10.1016/j.rasd.2010.04.010)
53. E. Grasselli, A. Voci, L. Canesi, R. De Matteis, F. Golgia, F. Cioffi, E. Fugassa G. Gallo and L. Vergani "Direct effects of 3,5- diiodo-L-thyronine (T2) on fat accumulation in primary cultures of rat hepatocytes" Journal of Hepatology Jun;54(6), pp. 1230-1236, 2011 (DOI: 10.1016/j.jhep.2010.09.027)
54. E. Grasselli, A. Voci, I. Demori, L. Canesi, R. De Matteis, F. Goglia, A. Lanni, G. Gallo and L. Vergani "3,5-diiodo-L-thyronine (T2) modulates the expression of genes of lipid metabolism in a rat model of fatty liver" Journal of Endocrinology 2012 Feb;212(2), pp. 149-158, 2012
55. C. Lanza, S. Raimondo, L. Vergani, N. Catena, F. Sénès, P. Tos, S. Geuna "Expression of antioxidant molecules after peripheral nerve injury and regeneration." Journal of Neuroscience Research Apr;90(4), pp. 842-848, 2012 (DOI: 10.1002/jnr.22778)
56. A. Uccelli, M. Milanese, MC. Principato, S. Morando, Bonifacino T., L. Vergani, D. Giunti, A. Voci, E. Carminati, F. Giribaldi, C. Caponnetto and GB Bonanno "Intravenous Mesenchymal Stem Cells Improve Survival and Motor Function in Experimental Amyotrophic Lateral Sclerosis" Molecular Medicine, Jul;18; pp.794-800, 2012 (DOI: 10.2119/molmed.2011.00498)
57. D. Giunti, B. Parodi, C. Usai, L. Vergani, S. Casazza, S. Bruzzone, G. Mancardi, A.Uccelli "Mesenchymal Stem Cells Shape Microglia Effector Functions Through the Release of CX3CL1" Stem Cells Sep;30(9), pp. 2044-53, 2012 (DOI: 10.1002/stem.1174)
58. G. Minniti, R. Lorini, E Veneselli, L. Vergani, A. Voci, MG Calevo, FM. Battaglia "Are psychobiological markers strongly correlated with allostatic load in population with autism spectrum disorders (ASD)?" Med Hypotheses Apr;80(4), pp. 506-508, 2013 (DOI: 10.1016/j.mehy.2012.12.011)
59. E. Grasselli, K. Cortese, A. Voci, L. Vergani, R. Fabbri., C. Barmo, G. Gallo, L. Canesi "Direct effects of Bisphenol A on lipid homeostasis in rat hepatoma cells" Chemosphere May;91(8), pp. 1123-1129, 2013 (DOI: 10.1016/j.chemosphere.2013.01.016)

60. M. Milanese, F. Giribaldi, M. Melone, T. Bonifacino, I. Musante, E. Carminati, P.I.A. Rossi, L. Vergani, A. Voci, F. Conti, A. Puliti, G. Bonanno "Knocking-down metabotropic glutamate 1 receptor improves survival and disease progression in the SOD1G93A mouse model of amyotrophic lateral sclerosis" Neurobiology of Disease April;64, pp. 48–59 2014 (DOI: 10.1016/j.nbd.2013.11.006)
61. E. Grasselli, A. Voci, I. Demori, R. De Matteis, A. Compalati, G. Gallo and L. Vergani "Effects of binge ethanol administration on lipid homeostasis and oxidative stress in a rat model of nonalcoholic fatty liver disease (NAFLD)" Journal of Physiology & Biochemistry, Jun;70(2), pp:341-353. 2014 (DOI: 10.1007/s13105-013-0308-x)
62. E. Grasselli, A. A. Voci, L. Canesi, A. Salis, G. Damonte, A. Compalati, F. Goglia, G. Gallo and L. Vergani "3,5-Diiodothyronine modifies the lipid droplet composition in a model of hepatosteatosis" Cellular Physiology & Biochemistry 33(2), pp.344-356 2014 (DOI: 10.1159/000356674)
63. L. Vergani "The lipid lowering effects of iodothyronines: in vivo and in vitro studies on rat liver " World Journal of Hepatology Apr 27;6(4) pp.169-177 2014 (DOI:/ 10.4254/wjh.v6.i4.169)
64. E. Grasselli, K. Cortese, R. Fabbri, A. Smerilli, L. Vergani, A. Voci, .G. Gallo and L. Canesi "Thyromimetic actions of Tetrabromobisphenol A (TBBPA) in steatotic FaO rat hepatoma cells" Chemosphere Oct; pp. 112511-518, 2014 (DOI:/ 10.1016/j.chemosphere.2014.03.114)
65. E. Grasselli, A. Compalati, A. Voci, .G. Vecchione, M. Ragazzoni, G. Gallo, P. Borro, A. Sumberaz, G. Testino and L. Vergani "Altered oxidative stress/antioxidant status in blood of alcoholic subjects is associated with alcoholic liver disease" Drug and Alcohol Dependence Oct 1;143 pp. 112-119. 2014 (DOI: 10.1016/j.drugalcdep.2014.07.013)
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