

SALVATORE CHIRUMBOLO

RESUME

revised March 2018

BIOGRAPHY

Name Salvatore **Surname** Chirumbolo

Age 54

Birth place Nicastro (CZ)

Birth date Feb 1st, 1964

Private address via Combattenti Alleati 4 37135 Verona

Tax code CHRSVT64B01F888H



EDUCATION IN ITALY

University of Bologna Bsch Degree in Biology 110/110 cum laude

University of Verona Medical Post-graduated High School Degree in Clinical Biochemistry 50/50

Currently attending the School of Medicine

EDUCATION IN FOREIGN COUNTRIES

Université Paris VII Parigi (France) Molecular genetics Master PhD

DEPARTMENTS AND INSTITUTIONS WHERE HE WORKED

University of Verona-Departments	years	Colleagues
Dept of Morphological Sciences	2	Prof Paolo Bellavite
Dept of Pthology and Diagnostics	2	Prof Paolo Bellavite
Dept of Medicine	4	Prof Mauro Zamboni

COURSES IN ITALY

Title	Content	Time spent
Corso Finanziamenti ERC	Come svolgere un progetto di finanziamento ERC Horizon 2020	4 hrs
Sicurezza del lavoratore	Gestione sicurezza e Dlgs 81/2008	5 hrs
Sicurezza chimica	Gestione sicurezza chimica	6 hrs
Sicurezza biologica	Gestione sicurezza biologica e bio-hazard	6 hrs
Cappe chimiche	Gestione e sicurezza cappe chimiche	6 hrs
Cappe biologiche	Gestione e sicurezza cappe biologiche	6 hrs
Biologia molecolare su RT-PCR	Corso pratico su IQ5 e PCR applicativa	8 hrs
Corso Twin Helix Easy Track	Corso teorico pratico	3 hrs
Corso applicativo BD Facscanto	Corso teorico-pratico di citometria a flusso	5 hrs
Corso applicativo Coulter FC 500	Corso teorico-pratico di citometria a flusso	6 hrs
RT-PCR nella trasfezione genica	Corso teorico-pratico	4 hrs
Corso di immunometria Victor	Corso teorico pratico	6 hrs
High Resolution Mass Spectrometry	Seminario-Corso Prof Marengo	2 hrs
Applicazioni tecniche Western blot	Seminario-Corso Dr A. Mattè	2 hrs
Seminari scientifici su spettrometria di massa	Seminario teorico-applicativo Prof La Marca	4 hrs
Corso LAS400mini	Corso teorico pratico	3 hrs
Remotizzazione elettronica congelatori	Corso teorico pratico	3 hrs
Corso BLSD primo livello	Corso interno al percorso terzo anno	4 hrs
Corso anti-incendio e norme correlate	Corso teorico pratico	3 hrs

EXPERTISE 1) INVITED CONGRESSES

(referred to the latest 2 months)

Title	Involvement	
	speaker	member/organizer
1 st International Caparica Conference on Pollutant Toxic Ions and Molecules-Portugal	X	
12th Congress of European Association for Clinical Pharmacology and Thearapeuthics EACP-Madrid Spain	X	
8 th International Conference on Diabetics and Obesity-Riga	X	
OMICS-International Conference of Innate Immunity-Barcelona. Spain	X	
International Conference of Targeting Ebola-Institute Pasteur-Paris	X	
American Biotechnology Congress-Florida USA	X	
6 th Annual World Congress of Molecular & Cell Biology Dalian China	X	
Conference on Polyphenols Application St Julian Malta	X	
7 th World Convention on Stevia Taste Berlin Germany	X	
6 th World Gene Convention-2015 Qingdao, China	X	X
European Congress of Endocrinology 2015 Dublin Ireland	X	X
European Congress on Obesity 2015 Prague	X	
13 International symposium on myelodysplastic syndromes Washington USA	X	

Number of Congresses to which I was invited in the last 5 years

più di 100	Tra 200 e 500	More than 500 X
------------	---------------	-----------------

Congress participation (last years)

Title	Involvement	
	speaker	organizer
ECO 2012 Lyon-France	X	
2nd Biotechnology World Congress Dubai, 2013	X	
4 th Congress on Flavonoids-San Francisco, 2014	X	
2 nd Congress on Nutrition-Verona, Italy, 2015	X	X
6 th workshop on plant phytochemicals, Bern (CH), 2015	X	
EffoST Annual Meeting Montpellier France	X	

Invited member in International Committees

Council for Nutrition and Environmental Medicine	Norway, ONLUS
Indian Commission for Phytochemical Research	Mumbay, India
Polish Government Minister for Research	Project for Reviewing Scientific Projects and Funds

Participation in International Award Commissions

Nutrition and Metabolism Committee for the 16th John M. Kinney Awards 2015	Proff. Michael Meguid, A Laviano Nutrition
--	--

Invited Member in Scientific Boards

American Chemical Society
International Dose Response Society
British Pharmacological Society

Invited Guest Editor

Professor/Editor	Journal
Saber Abd-Allah, Ph.D. Associate professor of Theriogenology, Faculty of Veterinary Medicine, Beni-Suef University, Egypt	Journal of Buffalo Science
Mai Osama Hindawi Publishing Co	eCAM Journal
Prof. Dr. rer. Nat. Hesham A. El Enshasy Assistant Director for Bioproduct Research and Innovation Institute of Bioproduct Development Universiti Teknologi Malaysia Skudai, Johor Bahru, Johor, Malaysia	International Journal of Biotechnology for Wellness Industries
Prof Xiaolan Chen, IJMS Editor	International Journal of Molecular Science
Prof Jacobs George JSciMed Central CA, USA	Inflammation and Immunity
Prof Mamhoud Saleh, Hindawi Co	BioMed Research International

Journal Editor

Titolo della rivista	Involvement		Journal rank	
	Editor	Editor in chief	IF	Index
Nutrition (Elsevier)	X		3.046	Pubmed
e-CAM Journal (Hindawi)	X		2,175	Pubmed
British Journal of Pharmaceutical Research	X		nsp	ISI Web Sci
Edorium Journal of Pathology	X		nsp	ISI Web Sci
Journal of Neurology Research (ISSN 2313-5611)	x		nsp	ISI Web Sci

Peer reviewing

e-CAM Journal	Vox Sanguinis	Food and Chemical Toxicology
Nutrition	Cytometry part A	Cytometry B Clinical Cytometry
Journal of Allergy and Clinical Immunology	Journal of Medical Microbiology	International archives of Allergy and Immunology
Clinical Experimental Allergy	Planta Medica	Human Experimental Toxicology
Journal of Microbiology and Biochemical Technology	Phytotherapy Research	Redox Report
International Journal of Food Science and Nutrition	Molecular Biosystems	Cytokine
Journal of Food Science and Agriculture	Int Archives Allergy and Immunology	

Citation metrics

Citations from 2010	687
Hirsch (H index)	12
I10 index	20
Papers downloaded from 2013	11139
Papers viewed from 2013	11739

IMPACT FACTOR

< 100	Tra 100 e 200	More than 200 X	321.76
-------	---------------	-----------------	---------------

Research social networks

Research Gate-dismissed Frontiers Research Foundation Loop
--

Ex-Scoring/ranks

Research Gate	48.15	(97,5%)
---------------	-------	---------

Main research issues

Cellular tests for allergy diagnosis
Allergy and allergic syndrome-immunotherapy
Bio-flavonoids: activity on immune system and inflammation
Biochemistry of phytochemicals and flavonoids
Nutrition supplementation and nature-derived compounds
Anticancer activity of plant derived compounds and vitamins
Alternative and complementary medicine
Obesity and metabolic syndrome
Aging. Cellular and molecular aspects of aging.

JOURNALS WHERE HE PARTICIPATED AS REVIEWER

Cellular and Molecular Neurobiology; Journal of Ethnopharmacology; e-CAM Journal; Voc Sanguinis; Food and Chemical Toxicology; Nutrition; Cytometry A; Cytometry B Clinical Cytometry; Journal of Allergy and Clinical Immunology; Journal of Medical Microbiology; International archives of Allergy and Immunology; Clinical Experimental Allergy; Planta Medica; Human Experimental Toxicology; Journal of Microbiology and Biochemical Technology; Redox Report; International Journal of Food Science and Nutrition; Molecular BioSystems; Cytokine; Journal of Food Science and Agriculture; Nutrients.

Main reseach projects in the last years

Colleague	Project	Years	Reports
Prof Paolo Bellavite	Study of basophilic cells in FC	2007-2008	Chirumbolo S, Vella A, Ortolani R, De Gironcoli M, Solero P, Tridente G, Bellavite P. Differential response of human basophil activation markers: a multi-parameter flow cytometry approach. Clin Mol Allergy. 2008 Oct 16;6:12
	Histamine on basophil <i>in vitro</i> FC testing	2008-2009	Chirumbolo S, Brizzi M, Ortolani R, Vella A, Bellavite P. Inhibition of CD203c membrane up-regulation in human basophils by high dilutions of histamine: a controlled replication study. Inflamm Res. 2009 Nov;58(11):755-64
Prof. Mauro Zamboni	WAT and its role in aging mechanisms	2011-2012	Zamboni M, Rossi AP, Fantin F, Zamboni G, Chirumbolo S, Zoico E, Mazzali G. Adipose tissue, diet and aging. Mech Ageing Dev. 2014 Mar-Apr;136-137:129-37
	WAT inflammation	2012-2013	Chirumbolo S, Franceschetti G, Zoico E, Bambace C, Cominacini L, Zamboni M. LPS response pattern of inflammatory adipokines in an in vitro 3T3-L1 murine adipocyte model. Inflamm Res. 2014 Jun;63(6):495-507
			Zoico E, Franceschetti G, Chirumbolo S, Rossi AP, Mazzali G, Rizzatti V, Budui S, Zamboni M. Phenotypic shift of adipocytes by cholecalciferol and 1 α ,25 dihydroxycholecalciferol in relation to inflammatory status and calcium content. Endocrinology. 2014 Nov;155(11):4178-88
	Iron and its role in WAT inflammation	2013-2015	Chirumbolo S, Rossi AP, Rizzatti V, Zoico E, Franceschetti G, Girelli D, Zamboni M Iron primes 3T3-L1 adipocytes to a TLR4 mediated inflammatory response, Nutrition, 2015 <i>in press</i>
Dr Mario Olivieri	<i>In vitro</i> allergology and basophil activation test (BAT)	2014-2015	Chirumbolo S, Olivieri M. Increase in human basophils IgE-mediated stimulation by omalizumab: a role for membrane Fc γ Rs? J Allergy Clin Immunol. 2014 May;133(5):1493-4

School

School of Medicine-University of Verona

Thesis

Co-Relator Thesis Speaker: Mrs Sofia Rubele Faculty and School of Medicine-University of Verona, Italy 2014-2015

110/110 cum laude Thesis Relator Prof M Zamboni

Fellowships

Research issue	Years	Research team	Reports	Congresses
In vitro pharmacology	1990-1991	Prof. Paolo Bellavite	YES	YES
In vitro immunology	1991-1992	Prof. Paolo Bellavite	YES	YES
Priming mechanisms	1992-1995	Prof. Paolo Bellavite	YES	YES

ECM Maters in Italy

SOCIETA' ITALIANA DI CITOMETRIA-XXV Conferenza Nazionale di Citometria-La citometria nell'era delle biotecnologie Roma-Pontificia Università Lateranense, 3-6 ottobre 2007 **18 credits**

CENTRO DI RICERCA BIOMEDICA-Programma di Valutazione Esterna di Qualità Castelfranco Veneto (TV) 21-22 marzo 2005 Rif. evento 7765- 179283-179250 determinazione commissione 22-11-2001 **13 credits**

ANISAP-La diagnostica virologica nel laboratorio di base Padova 12-13 dicembre 2003 Rif. Evento 13336 **11 credits**

CENTRO DI RICERCA BIOMEDICA-Qualità e Accreditamento dei Laboratori Clinici Castelfranco Veneto (TV) 26-27 settembre 2002 Rif. Evento 949 – 7352 data accreditamento evento 29/03/02 **12 credits**

SIBIOC-AMCLI-Ministero della Salute CENTRO DI RICERCA BIOMEDICA-Corso per Ispettori Esterni APL Castelfranco Veneto (TV) 26-27 novembre 2001 Rif. Evento 916-19246 dete. Commissione 22 nov 2001 **18 credits**

Awards

Award: Best Communication co-worker I Congress on PNEI and Neuroendocrinoimmunology-Rome 2009	Roma Ottobre 2009
Award: Best communication poster-XXV Congress Clinical Molecular Chemistry-Chicago, 2009	Chicago, USA Aprile 2009
Award: Best Poster Presentation XXV Congress on Italian Society of Cytometry-rome Oct 2008	Roma, Ottobre 2008
Grant: Research on cell biology of priming and desensitization-Testing homeopathic drugs on inflammation-Heel-University of Verona	Milano, Febbraio 1992
Grant: Research on in vitro pharmacology and leukocyte biology-University of Verona-MURST-GUNA S.p.A.	Milano, Febbraio 1991

Manager/Head Director in Italy

Institute	Years	Research/activity held	Repotts	Congresses
NIH-local structures	1995-2000	Transfusional medicine and molecular biology	YES	YES
NIH-local structures	2000-2005	Head Directir	NO	NO
Army Hospital	2005-2006	Director (Biologist)	NO	NO
Università of Verona	today	Head of the Lab Physiopathology of Obesity	YES	YES

Technical expertise

Cell coltures. RT-PCR, genome amplification, cloning, microarray. Kiniesome, intracellular signaling. WB and other blotting. SDS-PAGE, MS Maldi, spectrometry, colorimetry, chemiluminescece, fluorescence. Flow cytometry, AFM, optical and electronic microscopy, confocal microscopy, IHC, immuno-methods, radio-methods. Statistics, math elab softwares. Mouse biology, knock out mice.

Department Rankings:

Rank number of publications:	1
Rank downloaded publications:	2
Rank viewed publications:	2
Rank IF	2
Rank publication Group of Research same issue	2

Teaching

Biochemistry of Nutrition	School of Medicine aa 2013-2014; aa 2014-2015
High School of Medical Specialty-Faculty of Medicine-University of Verona	Arguments: Molecular and Clinical Pathology. Biology of phagocytes. Free radicals. In vitro pharmacology
Scuola di Specializzazione in Patologia Clinica-Università di Verona-Facoltà di Medicina anni 2008-2010	

Colleagues knowing Salvatore Chirumbolo

Name	Institution/Department
Prof Michael Meguid	Professor Surgery Emeritus at Upstate Medical University -The State University of New York), Syracuse, New York, USA
Prof Aldo Scarpa	Professore di Anatomia Patologica-Dipartimento di Patologia e Diagnostica-Università di Verona, Verona, ITALY
Prof. Franco Harald Falcone	Associate Professor School of Pharmacy University of Noittingham UK
Prof Massimo Triggiani	Professore Associato (Settore MED/09), Dipartimento di Medicina e Chirurgia, Università di Salerno, ITALY
Prof. Suresh IS Rattan	Full Professor at the Laboratory of Cellular Ageing of the Department of Molecular Biologyat the Aarhus University in Denmark
Prof. Ronald Ellis	FutuRx Ltd Ness Ziona, IL Human Vaccines and Immunotherapeutics Editor in Chief

PUBLICATIONS

Books

Salvatore Chirumbolo Acqua Informata o informante? Ipotesi, modelli ed evidenze sulla misteriosa natura dell'acqua nei sistemi biologici GUNA Editore-Prefazione di E. Del Giudice, A. Tedeschi, V. Voeikov, pp. pp. 579, Milano 2012

Book chapter

Chirumbolo S (2015) Chapter 1. Placebo effect in Complementary and Alternative Medicine (CAM) and Homeopathy in Placebo Effects: Clinical Aspects, Methodological Approaches and Ethical Implications, Nova Ed, Hauppauge, New York, USA

Chirumbolo S (2014) Chapter 13 Inflammation pathways in Hormesis in Health and Diseases Suresh Rattan, Eric Le Bourg, eds, CRC Press, Taylor and Francis, Boca Raton FL, USA, p 243

Chirumbolo S (2012) Chapter 4. Which Flavonoids are Responsible for Anti-inflammatory and Anti-allergic Activities of Propolis? in Beneficial Effects of Propolis on Human Health and Chronic Diseases. Volume 1 Farooqui T and Farooqui AA Eds, Nova Publisher, Hauppauge, NY, USA

Chirumbolo S (2012) Chapter 1 Flavonoids: Recent Insights on their Biological Action In Handbook on Flavonoids: Dietary Sources, Properties and Health Benefits (Biochemistry Research Trends), Kazuya Yamane and Yuudai Kato Eds, Nova Publisher, Hauppauge, NY, USA

Italy Congresses

1. A. Pasetto, P. Bellavite, S. Chirumbolo, E. Gilli.- Modificazioni dell'attività dei PMN indotte dalla morfina in vitro ed in vivo.- Atti del XIV Congresso Nazionale A.I.S.D.-Seminari sul dolore, Numero Speciale 2, pp. 77-80, Cluster Press, 1991
2. P. Bellavite, S. Chirumbolo, G. Lippi, L. Bonazzi, A. Carletto, A. Signorini.- Modelli cellulari per lo studio della dose-dipendenza di fenomeni biologici. Duplici effetti di peptidi batterici sull'adesione leucocitaria. Atti del Convegno di Medicina Naturale, Milano 23-24 Ottobre 1993
3. G. Benoni, P. Bellavite, A. Adami, S. Chirumbolo, G. Lippi, G. Brocco, L. Cuzzolin.- Effetto dell'esercizio acuto su alcuni parametri ematologici e su funzioni leucocitarie di soggetti allenati e non allenati. Atti del 2° Congresso Nazionale della Società di Elettrofisiologia e Kinesiologia, Verona 25-27 Novembre 1993, pag. 55
4. G. Benoni, P. Bellavite, A. Adami, S. Chirumbolo, G. Lippi, G. Brocco, G.M. Giulini.- Modificazioni di parametri immunologici e delle funzioni leucocitarie in giocatori professionisti di basket prima, durante e dopo la stagione sportiva. Atti del 2° Congresso Nazionale della Società di Elettrofisiologia e Kinesiologia, Verona 25-27 Novembre 1993, pag. 56
5. S. Chirumbolo, F. Schiesari, G.L. Bovo, L. Martinelli, C. Davì, S. Ciaffoni.- Frequenza ed associazione di bande reattive in test RIBA di terza generazione e presenza di HCV RNA: alcune problematiche. Atti del 2° Congresso Nazionale di Medicina delle Dipendenze, Verona 14 giugno 1996, pag. 219
6. S. Ciaffoni, G.L. Bovo, F. Schiesari, L. Martinelli, S. Chirumbolo, S. Zavarise, A. Franchetti.- Automazione ed informatizzazione di un servizio trasfusionale. La Trasfusione del Sangue, 41(2):297, pos. 194, 1996. Atti del XXXII Convegno Nazionale di Studi di Medicina Trasfusionale, Taormina 25-29 maggio 1996
7. S. Ciaffoni, G.L. Bovo, F. Schiesari, L. Martinelli, S. Chirumbolo, S. Zavarise, A. Franchetti.- Automazione ed informatizzazione in immunoematologia. La Trasfusione del Sangue, 41(2):297, pos. 195, 1996. Atti del XXXII Convegno Nazionale di Studi di Medicina Trasfusionale, Taormina 25-29 maggio 1996
8. S. Chirumbolo, C. Robbi, F. Schiesari, G.L. Bovo, L. Martinelli, G.P. Gaiga, C. Davì, M. Carrara, S. Ciaffoni.- Tipizzazione linfocitaria e genotipo virale in soggetti con epatite cronica da virus C. La Trasfusione del Sangue 43:s72, atti del XXXII Convegno Nazionale di Studi di Medicina Trasfusionale, Pescara 1998, pos 7
9. A. Franchetti, G.L. Bovo, F. Schiesari, L. Martinelli, C. Davì, S. Chirumbolo, C. Robbi, M. Dal Pozzo, M. Fasoli, S. Ciaffoni. Sostituzione di un sistema informativo per la gestione di un centro trasfusionale. La Trasfusione del Sangue, 43:s72, atti del XXXII Convegno Nazionale di Studi di Medicina Trasfusionale, Pescara 1998, com. 60
10. Bellavite, P., Magnani, P., Chirumbolo, C., Conforti, A. (2008) Le sfide dell'omeopatia nell'era della complessità. Atti del convegno "Dalla tossicologia all'impiego clinico dei veleni di serpente". Convegno Nazionale tenuto a Piacenza, Università Cattolica, 8 Marzo 2008. Ed. Associazione Italiana Omeopatia di Risonanza, Piacenza
11. Ortolani R, Bellavite P, Chirumbolo S, Tridente G, Vella A (2009) Un metodo comparativo e integrato per lo studio dei sistemi complessi. In: Geni e comportamenti, scienza e arte della vita (F. Bottaccioli ed.). Red Edizioni, Milano, pp. 147-154
12. Ortolani, R., Vella, A., Chirumbolo, S., Marzotto, M., Bellavite, P. (2009) Sano o malato: separazione irrealistica. Poster presentato al Congresso di Medicina e Persona. Università Statale di Milano 25-27 giugno 2009
13. Chirumbolo S, Conforti A, Vella A, Ortolani R, Bellavite P (2011). Attività modulatoria del flavonoide naturale quercetina sulla funzione di basofili umani in vitro. Rapporti ISTISAN 11/19: 66-69
14. Bellavite, P., Lippi, G., Signorini, A., Andrioli, G. and Chirumbolo, S. (1993) Nonlinear dose-dependent metabolic and adhesive responses of human neutrophils to chemotactic agents. In: Omeomed92 (C. Bornoroni ed.) Editrice Compositori, Bologna. pp 135-150.

International Congresses

15. Bellavite, P., Chirumbolo, S., Signorini, A., Bianchi, I. and Dri, P. Simultaneous measurement of oxidative metabolism and adhesion of human neutrophils and evaluation of multiple doses of agonists and inhibitors. In: Ultra Low Doses (C. Doutremepuich, ed.) Taylor and Francis Ltd., London, pp. 93-117, 1991
16. P. Bellavite, S. Chirumbolo, P. Guzzo, C. Lechi Santonastaso.- Homologous priming and adaptation of neutrophils treated with chemotactic peptides. Vth G.I.R.I. Meeting, Paris 29-30 November 1991, Abs. 11
17. P. Bellavite, S. Chirumbolo, A. Signorini, I. Bianchi.- Effect of various homoeopathic drugs on superoxide production and adhesion of human neutrophils. Vth G.I.R.I. Meeting, Paris 29-30 November 1991, Abs. 13
18. P. Bellavite, S. Chirumbolo, G. Poli, C. Mansoldo.- Correlations and dissociations between superoxide production and adhesion function of human neutrophils in The Molecular Basis of Oxidative Damage by Leukocytes, AJ Jesaitis, EA Dratz eds., pp. 255-257, Montana State University/Keystone Symposium on Molecular and cellular Biology, 1 September 1992

19. P. Bellavite, S. Chirumbolo, A. Signorini.- Inverse effects of formylpeptides on neutrophil adhesion after treatment with endotoxin. First International Congress-The Homoeopathic Medicine in Europe, Urbino Settembre 1992, Abs. 37
20. P. Bellavite, G. Lippi, A. Signorini, S. Chirumbolo.- Low doses of fMLP cause detachment of LPS-treated adherent neutrophils. 27th Annual Meeting of the European Society of Clinical Investigation, Heidelberg, April 1993, Abs. 152
21. P. Bellavite, S. Chirumbolo, C. Santonastaso, P. Guzzo, A. Signorini.- Various specific functional responses of human neutrophils exhibit different dose-dependence on formylpeptides. VIIth G.I.R.I. Meeting, Montpellier 20-21 November 1993, Abs. 21
22. P. Bellavite, S. Chirumbolo, A. Signorini.- Cellular models for the study of traditional homoeopathic principles. Proceedings of the I National Congress on Scientific Advances in Complementary Medicine, Padova 16-17 June 1995, pag. 84
23. P. Bellavite, S. Chirumbolo, C. Santonastaso, D. Biasi, S. Lussignoli, G. Andrioli.- Dose dependence of the various functional responses of neutrophils to formylpeptides in Signals and Images, M. Bastide ed., Kluwer Academic Publishers, Netherlands, 1997, pp. 111-119
24. S. Chirumbolo, F. Schiesari, G.L. Bovo, G.P. Gaiga, L. Martinelli, C. Davì, C. Robbi, M. Carrara, S. Ciaffoni.- Tuse of an innoLiPA genotyping assay to confirm PCR reactivity in hepatitis C virus infected subjects. Vox Sanguinis 74(s1):pos 1107, 25th Congress of the International Society of Blood Transfusion, Oslo, 1998.
25. S. Chirumbolo, R. Ortolani, A. Vella, G. Tridente, P. Bellavite.- A six-color polychromatic flow cytometry to evaluate human basophil activation.- Cytometry, Cytometry 2008; 73A(Abstract of XV Congress of Italian Society of Cytometry-Rome Oct 2007):91.

E-Letters

26. Chirumbolo S Bellavite illuminates the matter BMJ Rapid Response Dec 3 2011
27. Chirumbolo S. Letter on Zimmermann paper Re: "Prevention of Diabetes in db/db Mice by Dietary Soy Is independent of Isoflavone Levels" Zimmermann, et al., 153: 5200-5211doi:10.1210/en.2012-1490. Endocrinology, 2012
28. Chirumbolo S Is homeopathy a fake from the beginning? BMJ Rapid Response Aug 21, 2014

Full length publications

29. Qasem H, Al-Ayadhi L, Bjørklund G, Chirumbolo S, El-Ansary A. Impaired lipid metabolism markers to assess the risk of neuroinflammation in autism spectrum disorder. *Metab Brain Dis.* 2018 Mar 22. doi: 10.1007/s11011-018-0206-6. [Epub ahead of print] PubMed PMID: 29569150
30. Chirumbolo S, Bjørklund G. Agathisflavone and GABA(A) receptors in the biflavone-mediated action on rat primary cortical neurons. *Neurotoxicology.* 2018 Mar 9;66:43-44. doi: 10.1016/j.neuro.2018.03.002. [Epub ahead of print] PubMed PMID: 29530473.
31. Chirumbolo S, Bjørklund G. Homeopathic Dilutions, Hahnemann Principles, and the Solvent Issue: Must We Address Ethanol as a "Homeopathic" or a "Chemical" Issue? *Homeopathy.* 2018 Feb;107(1):40-44. doi: 10.1055/s-0037-1608898. Epub 2017 Dec 28. PubMed PMID: 29528477.
32. Chirumbolo S, Bjørklund G. Quercetin affecting gelatinases in rat aortas: Some comments. *Atherosclerosis.* 2018 Mar 2. pii: S0021-9150(18)30107-2. doi: 10.1016/j.atherosclerosis.2018.02.033. [Epub ahead of print] PubMed PMID: 29519590.
33. El-Ansary A, Cannell JJ, Bjørklund G, Bhat RS, Al Dbass AM, Alfawaz HA, Chirumbolo S, Al-Ayadhi L. In the search for reliable biomarkers for the early diagnosis of autism spectrum disorder: the role of vitamin D. *Metab Brain Dis.* 2018 Mar 1. doi: 10.1007/s11011-018-0199-1. [Epub ahead of print] PubMed PMID: 29497932.
34. Chirumbolo S, Bjørklund G. Bias and misleading concepts in an Arnica research study. Comments to improve experimental Homeopathy. *J Ayurveda Integr Med.* 2018 Jan - Mar;9(1):75-80. doi: 10.1016/j.jaim.2017.01.014. Epub 2018 Feb 26. Review. PubMed PMID: 29496319.
35. Chirumbolo S, Bjørklund G. The effect of vitamin C on *Cyprinus carpio* survival in water environment with chemical toxicants. Some comments. *Aquat Toxicol.* 2018 Apr;197:7-8. doi: 10.1016/j.aquatox.2018.01.018. Epub 2018 Jan 31. PubMed PMID:29407797.
36. Al-Otaish H, Al-Ayadhi L, Bjørklund G, Chirumbolo S, Urbina MA, El-Ansary A. Relationship between absolute and relative ratios of glutamate, glutamine and GABA and severity of autism spectrum disorder. *Metab Brain Dis.* 2018 Feb 3. doi: 10.1007/s11011-018-0186-6. [Epub ahead of print] PubMed PMID: 29397522.

37. Bjørklund G, Dadar M, Martins N, Chirumbolo S, Goh BH, Smetanina K, Lysiuk R. Brief Challenges on Medicinal Plants: An Eye-Opening Look at Ageing-Related Disorders. *Basic Clin Pharmacol Toxicol*. 2018 Jan 25. doi: 10.1111/bcpt.12972. [Epub ahead of print] Review. PubMed PMID: 29369521.
38. Chirumbolo S, Bjørklund G, Vella A. Basophil activation test in a case report of cow's milk allergy may reveal a non-IgE-mediated mechanism. *Pediatr Allergy Immunol*. 2018 Jan 25. doi: 10.1111/pai.12868. [Epub ahead of print] PubMed PMID: 29369413.
39. Kern JK, Geier DA, Homme KG, King PG, Bjørklund G, Chirumbolo S, Geier MR. Developmental neurotoxicants and the vulnerable male brain: a systematic review of suspected neurotoxicants that disproportionately affect males. *Acta Neurobiol Exp (Wars)*. 2017;77(4):269-296. PubMed PMID: 29369294.
40. Fakhri Y, Bjørklund G, Bandpei AM, Chirumbolo S, Keramati H, Hosseini Pouya R, Asadi A, Amanidaz N, Sarafranz M, Sheikhmohammad A, Alipour M, Baninameh Z, Mohseni SM, Sarkhosh M, Ghasemi SM. Concentrations of arsenic and lead in rice (*Oryza sativa* L.) in Iran: A systematic review and carcinogenic risk assessment. *Food Chem Toxicol*. 2018 Mar;113:267-277. doi: 10.1016/j.fct.2018.01.018. Epub 2018 Jan 16. PubMed PMID: 29341878.
41. Chirumbolo S, Bjørklund G. Pressure to publish in the biomedical scientific field: Ethical conflicts or a possible obsessive-compulsive disorder? *Eur J Intern Med*. 2018 Jan 9. pii: S0953-6205(18)30012-8. doi: 10.1016/j.ejim.2018.01.012. [Epub ahead of print] PubMed PMID: 29329892.
42. Tinkov AA, Bjørklund G, Skalny AV, Holmgren A, Skalnaya MG, Chirumbolo S, Aaseth J. The role of the thioredoxin/thioredoxin reductase system in the metabolic syndrome: towards a possible prognostic marker? *Cell Mol Life Sci*. 2018 Jan 11. doi: 10.1007/s00018-018-2745-8. [Epub ahead of print] Review. PubMed PMID: 29327078.
43. Chirumbolo S, Bjørklund G. Homeopathic Arnica from Boiron and post-operative bleeding in mastectomized women in Milan: Statistical flaws and bias to be addressed. *J Tradit Complement Med*. 2017 May 19;8(1):1-3. doi: 10.1016/j.jtcme.2017.05.001. eCollection 2018 Jan. PubMed PMID: 29321982; PubMed Central PMCID: PMC5755990.
44. Chirumbolo S, Bjørklund G. Sulforaphane and 5-fluorouracil synergistically inducing autophagy in breast cancer: A possible role for the Nrf2-Keap1-ARE signaling? *Food Chem Toxicol*. 2018 Feb;112:414-415. doi: 10.1016/j.fct.2017.12.061. Epub 2018 Jan 5. PubMed PMID: 29305271.
45. Chirumbolo S, Bjørklund G. Quercetin in the experimental liver fibrosis induced by carbon tetrachloride (CCl₄). *Int Immunopharmacol*. 2018 Feb;55:254-256. doi: 10.1016/j.intimp.2017.12.022. Epub 2017 Dec 26. PubMed PMID: 29287251.
46. Chirumbolo S, Bjørklund G, Sboarina A, Vella A. The role of basophils as innate immune regulatory cells in allergy and immunotherapy. *Hum Vaccin Immunother*. 2017 Dec 19:1-17. doi: 10.1080/21645515.2017.1417711. [Epub ahead of print] PubMed PMID: 29257936.
47. Bjørklund G, Stejskal V, Urbina MA, Dadar M, Chirumbolo S, Mutter J. Metals and Parkinson's disease: Mechanisms and biochemical processes. *Curr Med Chem*. 2017 Nov 29. doi: 10.2174/0929867325666171129124616. [Epub ahead of print] PubMed PMID: 29189118.
48. Chirumbolo S. Baicalin in flavocoxid may act against hepatitis B virus via a pro-inflammatory pathway. *Inflamm Res*. 2018 Mar;67(3):203-205. doi: 10.1007/s00011-017-1111-x. Epub 2017 Nov 13. PubMed PMID: 29134230.
49. Bjørklund G, Dadar M, Chirumbolo S, Lysiuk R. Flavonoids as detoxifying and pro-survival agents: What's new? *Food Chem Toxicol*. 2017 Dec;110:240-250. doi: 10.1016/j.fct.2017.10.039. Epub 2017 Oct 24. Review. PubMed PMID: 29079495.
50. Chirumbolo S, Bjørklund G, Vella A. Using a CD45dim/CD123bright/HLA-DRneg phenotyping protocol to gate basophils in FC for airway allergy. CD123 does not decrease. *Adv Respir Med*. 2017;85(4):193-201. doi: 10.5603/ARM.2017.0032. PubMed PMID: 28871586.
51. Endreffy I, Bjørklund G, Szerafin L, Chirumbolo S, Urbina MA, Endreffy E. Plasma alpha-L-fucosidase activity in chronic inflammation and autoimmune disorders in a pediatric cohort of hospitalized patients. *Immunol Res*. 2017 Oct;65(5):1025-1030. doi: 10.1007/s12026-017-8943-x. PubMed PMID: 28808940.
52. Chirumbolo S, Bjørklund G. Vaccination is fundamental but can it escape from a more insightful and critical information about its action? *Environ Toxicol Pharmacol*. 2017 Oct;55:8-13. doi: 10.1016/j.etap.2017.07.016. Epub 2017 Jul 29. PubMed PMID: 28800561.
53. Kałużna-Czaplińska J, Gątarek P, Chirumbolo S, Chartrand MS, Bjørklund G. How important is tryptophan in human health? *Crit Rev Food Sci Nutr*. 2017 Aug 11:1-17. doi: 10.1080/10408398.2017.1357534. [Epub ahead of print] PubMed PMID: 28799778.
54. Chirumbolo S, Bjørklund G. Homeopathic potencies of Arnica montana L. change gene expression in a Tamm-Horsfall protein-1 cell line in vitro model: the role of ethanol as a possible confounder and statistical bias. *J Integr Med*. 2017 Jul;15(4):255-264. doi: 10.1016/S2095-4964(17)60346-7. PubMed PMID: 28659229.
55. Chirumbolo S. Is homeopathy a medicine? *Eur J Intern Med*. 2018 Feb;48:e35-e36. doi: 10.1016/j.ejim.2017.06.010. Epub 2017 Jun 16. PubMed PMID: 28629692.

56. Kałużna-Czaplińska J, Jóźwik-Pruska J, Chirumbolo S, Bjørklund G. Tryptophan status in autism spectrum disorder and the influence of supplementation on its level. *Metab Brain Dis.* 2017 Oct;32(5):1585-1593. doi: 10.1007/s11011-017-0045-x. Epub 2017 Jun 12. PubMed PMID: 28608247; PubMed Central PMCID: PMC5596045.
57. El-Ansary A, Bjørklund G, Chirumbolo S, Alnakhli OM. Predictive value of selected biomarkers related to metabolism and oxidative stress in children with autism spectrum disorder. *Metab Brain Dis.* 2017 Aug;32(4):1209-1221. doi: 10.1007/s11011-017-0029-x. Epub 2017 May 11. PubMed PMID: 28497358.
58. Bjørklund G, Aaseth J, Chirumbolo S, Urbina MA, Uddin R. Effects of arsenic toxicity beyond epigenetic modifications. *Environ Geochem Health.* 2017 May 8. doi: 10.1007/s10653-017-9967-9. [Epub ahead of print] Review. PubMed PMID: 28484874.
59. Chirumbolo S, Bjørklund G, Sboarina A, Vella A. The Role of Vitamin D in the Immune System as a Pro-survival Molecule. *Clin Ther.* 2017 May;39(5):894-916. doi: 10.1016/j.clinthera.2017.03.021. Epub 2017 Apr 21. Review. PubMed PMID: 28438353.
60. Bjørklund G, Albert Christophersen O, Chirumbolo S, Selinus O, Aaseth J. Recent aspects of uranium toxicology in medical geology. *Environ Res.* 2017 Jul;156:526-533. doi: 10.1016/j.envres.2017.04.010. Epub 2017 Apr 26. Review. PubMed PMID: 28431380.
61. Bjørklund G, Chirumbolo S, Geier DA, Kern JK, Geier MR. Histone deacetylase inhibitors, Thimerosal, and autism spectrum disorder. *Environ Res.* 2017 Jul;156:843-844. doi: 10.1016/j.envres.2017.04.007. Epub 2017 Apr 11. PubMed PMID: 28410622.
62. Chirumbolo S, Bjørklund G. Pyrethroid pesticides in the autophagy/apoptosis balance: Role in adipocyte lipidogenesis. *Food Chem Toxicol.* 2017 Aug;106(Pt A):568-569. doi: 10.1016/j.fct.2017.03.065. Epub 2017 Apr 1. PubMed PMID: 28377267.
63. Gandolfi M, Smania N, Vella A, Picelli A, Chirumbolo S. Assessed and Emerging Biomarkers in Stroke and Training-Mediated Stroke Recovery: State of the Art. *Neural Plast.* 2017;2017:1389475. doi: 10.1155/2017/1389475. Epub 2017 Mar 8. Review. PubMed PMID: 28373915; PubMed Central PMCID: PMC5360976.
64. Chirumbolo S, Bjørklund G. Chrysin and baicalin in diabetic nephropathy. *Environ Toxicol Pharmacol.* 2017 Apr;51:156-157. doi: 10.1016/j.etap.2017.02.019. Epub 2017 Feb 22. PubMed PMID: 28262431.
65. Chirumbolo S. Peer reviewing and Editor's decision should never be a personal conflicting matter. *Eur J Intern Med.* 2017 May;40:e10. doi: 10.1016/j.ejim.2017.01.018. Epub 2017 Jan 24. PubMed PMID: 28129996.
66. Chirumbolo S, Bjørklund G. PERM Hypothesis: The Fundamental Machinery Able to Elucidate the Role of Xenobiotics and Hormesis in Cell Survival and Homeostasis. *Int J Mol Sci.* 2017 Jan 15;18(1). pii: E165. doi: 10.3390/ijms18010165. Review. PubMed PMID: 28098843; PubMed Central PMCID: PMC5297798.
67. Bjørklund G, Saad K, Chirumbolo S, Kern JK, Geier DA, Geier MR, Urbina MA. Immune dysfunction and neuroinflammation in autism spectrum disorder. *Acta Neurobiol Exp (Wars).* 2016;76(4):257-268. Review. PubMed PMID: 28094817.
68. Meguid NA, Anwar M, Bjørklund G, Hashish A, Chirumbolo S, Hemimi M, Sultan E. Dietary adequacy of Egyptian children with autism spectrum disorder compared to healthy developing children. *Metab Brain Dis.* 2017 Apr;32(2):607-615. doi: 10.1007/s11011-016-9948-1. Epub 2017 Jan 10. PubMed PMID: 28074329.
69. Singh RB, Hristova K, Bjørklund G, Fedacko J, Chirumbolo S, Pella D. Extended consensus on blood pressure variability beyond blood pressure for management of hypertension. *J Am Soc Hypertens.* 2017 Jan;11(1):6-9. doi: 10.1016/j.jash.2016.11.005. Epub 2016 Nov 25. PubMed PMID: 28040405.
70. Chirumbolo S, Bjørklund G, Urbina MA. May traffic air pollution be involved in autism spectrum disorder? *Environ Res.* 2017 Apr;154:57-59. doi: 10.1016/j.envres.2016.12.023. Epub 2016 Dec 27. PubMed PMID: 28038434.
71. Chirumbolo S, Bjørklund G. The Antinociceptive Activity of Geraniol. *Basic Clin Pharmacol Toxicol.* 2017 Feb;120(2):105-107. doi: 10.1111/bcpt.12683. Epub 2016 Dec 20. PubMed PMID: 28000392.
72. Chirumbolo S, Bjørklund G. The sesquiterpene α -bisabolol in the adipocyte-cancer desmoplastic crosstalk: does it have an action on epithelial-mesenchymal transition mechanisms? *Int J Clin Oncol.* 2017 Apr;22(2):222-228. doi: 10.1007/s10147-016-1072-z. Epub 2016 Dec 9. Review. PubMed PMID: 27942879.
73. Chirumbolo S. Basophil activation test in allergic rhinitis. *Pol Arch Med Wewn.* 2016 Nov 30;126(11):903-904. doi: 10.20452/pamw.3703. Epub 2016 Nov 30. PubMed PMID: 27906884.
74. Saadatpour Z, Bjørklund G, Chirumbolo S, Alimohammadi M, Ehsani H, Ebrahiminejad H, Pourghadamyari H, Baghaei B, Mirzaei HR, Sahebkar A, Mirzaei H, Keshavarzi M. Molecular imaging and cancer gene therapy. *Cancer Gene Ther.* 2016 Nov 18. doi: 10.1038/cgt.2016.62. [Epub ahead of print] Review. PubMed PMID: 27857058.
75. Chirumbolo S, Bjørklund G. Resveratrol and cisplatin in a malignant mesothelioma cell model. *Food Chem Toxicol.* 2016 Dec;98(Pt B):308-309. doi: 10.1016/j.fct.2016.11.009. Epub 2016 Nov 14. PubMed PMID: 27856297.

76. Bjørklund G, Chirumbolo S. Role of oxidative stress and antioxidants in daily nutrition and human health. *Nutrition*. 2017 Jan;33:311-321. doi: 10.1016/j.nut.2016.07.018. Epub 2016 Aug 8. Review. PubMed PMID: 27746034.
77. Chirumbolo S. Basophil activation test in oral desensitization to cow's milk allergy. *United European Gastroenterol J*. 2016 Oct;4(5):714-715. Epub 2016 Sep 27. PubMed PMID: 27733914; PubMed Central PMCID: PMC5042305.
78. Chirumbolo S, Bjørklund G. Commentary: Arnica Montana Effects on Gene Expression in a Human Macrophage Cell Line: Evaluation by Quantitative Real-Time PCR. *Front Immunol*. 2016 Sep 8;7:280. doi: 10.3389/fimmu.2016.00280. eCollection 2016. PubMed PMID: 27660630; PubMed Central PMCID: PMC5015595.
79. Chirumbolo S. How Medical Students Attending Italian Schools of Medicine Maybe Introduced Into the Debate of the Expert Community? An Educational Perspective. *Iran J Public Health*. 2016 Jun;45(6):822-3. PubMed PMID: 27648429; PubMed Central PMCID: PMC5026841.
80. Chirumbolo S, Bjørklund G. Commentary: The Flavonoid Baicalein Rescues Synaptic Plasticity and Memory Deficits in a Mouse Model of Alzheimer's Disease. *Front Neurol*. 2016 Aug 29;7:141. doi: 10.3389/fneur.2016.00141. eCollection 2016. PubMed PMID: 27618870; PubMed Central PMCID: PMC5002405.
81. Bjørklund G, Bengtsson U, Chirumbolo S, Kern JK. Concerns about environmental mercury toxicity: do we forget something else? *Environ Res*. 2017 Jan;152:514-516. doi: 10.1016/j.envres.2016.08.038. Epub 2016 Sep 8. PubMed PMID: 27616662.
82. Chirumbolo S. Dose response of high dilutions in gene expression and the concept of hormesis. *Hum Exp Toxicol*. 2017 Aug;36(8):876-877. doi: 10.1177/0960327116665677. Epub 2016 Sep 5. PubMed PMID: 27596069.
83. Chirumbolo S. Commentary: The Expression of CD123 Can Decrease with Basophil Activation: Implications for the Gating Strategy of the Basophil Activation Test. *Front Immunol*. 2016 Jul 7;7:260. doi: 10.3389/fimmu.2016.00260. eCollection 2016. PubMed PMID: 27456009; PubMed Central PMCID: PMC4935682.
84. Khaled EM, Meguid NA, Bjørklund G, Gouda A, Bahary MH, Hashish A, Sallam NM, Chirumbolo S, El-Bana MA. Altered urinary porphyrins and mercury exposure as biomarkers for autism severity in Egyptian children with autism spectrum disorder. *Metab Brain Dis*. 2016 Dec;31(6):1419-1426. Epub 2016 Jul 13. PubMed PMID: 27406246.
85. Chirumbolo S, Bjørklund G. Can Wnt5a and Wnt non-canonical pathways really mediate adipocyte differentiation in a tumour microenvironment? *Eur J Cancer*. 2016 Sep;64:96-100. doi: 10.1016/j.ejca.2016.05.026. Epub 2016 Jul 5. Review. PubMed PMID: 27391920.
86. Chirumbolo S. Basophil Activation Test for Chronic Urticaria. *Ann Lab Med*. 2016 Sep;36(5):499-500. doi: 10.3343/alm.2016.36.5.499. PubMed PMID: 27374719; PubMed Central PMCID: PMC4940497.
87. Chirumbolo S, Bjørklund G. Commentary: Sulfur Dioxide Contributes to the Cardiac and Mitochondrial Dysfunction in Rats. *Front Cardiovasc Med*. 2016 May 26;3:15. doi: 10.3389/fcvm.2016.00015. eCollection 2016. PubMed PMID: 27302073; PubMed Central PMCID: PMC4880594.
88. Chirumbolo S, Bjørklund G. Red seaweeds for obesity prevention? *Food Chem Toxicol*. 2016 Aug;94:268-9. doi: 10.1016/j.fct.2016.05.022. Epub 2016 Jun 3. PubMed PMID: 27265265.
89. Chirumbolo S. Basophil activation test, skin prick test, and anaphylaxis after drug hypersensitivity. *Ann Allergy Asthma Immunol*. 2016 May;116(5):478. doi: 10.1016/j.anai.2016.03.018. PubMed PMID: 27153742.
90. Chirumbolo S. Is basophil activation test (BAT) really useful for allergy diagnosis? *Eur Ann Allergy Clin Immunol*. 2016 May;48(3):107-9. PubMed PMID: 27152609.
91. Chirumbolo S. Commentary: The antiviral and antimicrobial activities of licorice, a widely-used Chinese herb. *Front Microbiol*. 2016 Apr 18;7:531. doi: 10.3389/fmicb.2016.00531. eCollection 2016. PubMed PMID: 27148220; PubMed Central PMCID: PMC4834445.
92. Chirumbolo S. Caffeic acid phenetyl ester and its ability to prevent viral infection - Some comments. *J Intercult Ethnopharmacol*. 2016 Mar 24;5(2):210-1. doi: 10.5455/jice.20160309104023. eCollection 2016 Mar-Apr. PubMed PMID: 27104045; PubMed Central PMCID: PMC4835999.
93. Chirumbolo S. Commentary: Mutual interaction of basophils and T cells in chronic inflammatory diseases. *Front Immunol*. 2016 Apr 8;7:135. doi: 10.3389/fimmu.2016.00135. eCollection 2016. PubMed PMID: 27092145; PubMed Central PMCID: PMC4824792.
94. Chirumbolo S. Heart adipose tissue and sudden cardiac death in middle-aged men. *Int J Cardiol*. 2016 Jul 1;214:362-3. doi: 10.1016/j.ijcard.2016.03.137. Epub 2016 Mar 28. PubMed PMID: 27085129.
95. Chirumbolo S. Commentary: Sublingual Allergen Immunotherapy in HIV-Positive Patients. *Front Immunol*. 2016 Mar 31;7:132. doi: 10.3389/fimmu.2016.00132. eCollection 2016. PubMed PMID: 27066011; PubMed Central PMCID: PMC4815895.

96. Chirumbolo S. Commentary: Heart Failure with Preserved Ejection Fraction Induces Beiging in Adipose Tissue. *Front Physiol.* 2016 Mar 7;7:85. doi: 10.3389/fphys.2016.00085. eCollection 2016. PubMed PMID: 27014086; PubMed Central PMCID: PMC4779995.
97. Chirumbolo S. Basophil activation test in mouse and IgG-induced anaphylaxis. *Toxicol Lett.* 2016 Apr 15;247:69-70. doi: 10.1016/j.toxlet.2016.02.011. Epub 2016 Feb 26. PubMed PMID: 26921787.
98. Chirumbolo S. Anticataractogenic Activity of Luteolin. *Chem Biodivers.* 2016 Mar;13(3):343-4. doi: 10.1002/cbdv.201500505. PubMed PMID: 26919590.
99. Chirumbolo S. Single Nucleotide Polymorphism (SNP) in the Adiponectin Gene and Cardiovascular Disease. *Iran Biomed J.* 2016 Jul;20(3):187-8. Epub 2016 Feb 17. PubMed PMID: 26884098; PubMed Central PMCID: PMC4983672.
100. Chirumbolo S. Commentary: Heart Fat Infiltration in Subjects With and Without Coronary Artery Disease. *Front Cardiovasc Med.* 2016 Feb 1;3:2. doi: 10.3389/fcvm.2016.00002. eCollection 2016. PubMed PMID: 26870737; PubMed Central PMCID: PMC4740777.
101. Chirumbolo S. Role of vitamin D3 in atopic dermatitis and immunity: Some comments. *Allergy Asthma Proc.* 2015 May;36(3):234-5. doi: 10.2500/aap.2015.34.3843.
102. Chirumbolo S. Basophil activation test in mouse and IgG-induced anaphylaxis. *Toxicol Lett.* 2016 Feb 24. pii: S0378-4274(16)30029-7. doi: 10.1016/j.toxlet.2016.02.011
103. Chirumbolo S. Anti-cataractogenic activity of luteolin. *Chem Biodivers.* 2016 Feb 25. doi: 10.1002/cbdv.201500505
104. Chirumbolo S. Single Nucleotide Polymorphism (SNP) in the Adiponectin Gene and Cardiovascular Disease. *Iran Biomed J.* 2016 Feb 17. pii: Pii-IBJ-A-10-2013-1
105. Chirumbolo S. Commentary: Heart Fat Infiltration in Subjects With and Without Coronary Artery Disease. *Front Cardiovasc Med.* 2016 Feb 1;3:2. doi: 10.3389/fcvm.2016.00002
106. Chirumbolo S. Fisetin, heme oxygenase-1 (HO-1) and M2-macrophages in keratinocyte response to stress. *Int Immunopharmacol.* 2016 Jan 25;32:116-117
107. Chirumbolo S. CD203c in patients with cystic fibrosis and allergy to *Aspergillus fumigatus*. *J Allergy Clin Immunol.* 2016 Jan 9. pii: S0091-6749(15)01742-X. doi: 10.1016/j.jaci.2015.11.014
108. Chirumbolo S. Comment to "Vitamin D Receptor Poly(A) Microsatellite Polymorphism and 25-Hydroxyvitamin D Serum Levels: Association with Susceptibility to Breast Cancer". *J Breast Cancer.* 2015 Dec;18(4):409-10
109. Chirumbolo S. Vitamin D(2) supplementation in ICU on subjects with traumatic injuries. *Clin Nutr.* 2015 Nov 23. pii: S0261-5614(15)00273-3. doi: 10.1016/j.clnu.2015.11.002
110. Chirumbolo S. Commentary: Vitamin D and Pancreatic Cancer: A Pooled Analysis from the Pancreatic Cancer Case-Control Consortium. *Front Oncol.* 2015 Aug 6;5:160
111. Chirumbolo S. AMP-activated protein kinase activators, cancer regression, and survival. *Eur J Cancer Prev.* 2015 Apr 28, *in press*
112. Chirumbolo S. Vitamin D in colorectal cancer: should we follow the flow? *Clin Nutr.* 2015 Dec;34(6):1284-5
113. Chirumbolo S. Vitamin D3 in cancer prevention and therapy: the nutritional issue *Hormone Mol Biol Clin Invest*, 2015 *in press*
114. Chirumbolo S. Vitamin D and epicardial adipose tissue *J Atheroscl Thromb*, 2015 *in press*
115. Chirumbolo S. Alpha bisabolol, not a matter for cancer therapy. Commentary: "Research on the immunosuppressive activity of ingredients contained in sunscreens *Front Pharmacol*, 2015 *in press*
116. Chirumbolo S, Rossi AP, Rizzatti V, Zoico E, Franceschetti G, Girelli D, Zamboni M. Iron primes 3T3-L1 adipocytes to a TLR4-mediated inflammatory response *Nutrition*, 2015 *in press*
117. Chirumbolo S. Plant derived flavonoids in ocular angiopathy *Eur J Ophthalmology* 2015, *in press*
118. Chirumbolo S. Basophil activation test (BAT): wheat and chaff Test aktywacji bazofilów (BAT): pszenicy i plew *Pneumonologia i alergologia polska: organ Polskiego Towarzystwa Ftyzjopneumonologicznego, Polskiego Towarzystwa Alergologicznego, i Instytutu Gruzlicy i Chorob Pluc* 04/2015; 83(1-2):n.def.. DOI: 10.5603/PiAP.2015.00xx
119. Chirumbolo S. Possible role of vitamin D3 on the adipocytes/fibroblast trans-differentiation mediated by pancreas cancer *Curr Health Sci J* 2015; 41(1):5-10
120. Chirumbolo S. Flavonoids in coronary heart disease. *Thromb Res.* 2015 May;135(5):1040-1.
121. Chirumbolo S. Anti-inflammatory property of propolis. *J Clin Biochem Nutr.* 2015 Mar;56(2):163-4.
122. Chirumbolo S. Basophil Activation Tests Based on CD193 Marker in Dipyrone Allergy. *Allergy Asthma Immunol Res.* 2015 Jul;7(4):414-5.
123. Chirumbolo S. Resveratrol in spermatogenesis. *Cell Biol Int.* 2015 Feb 11. *in press*
124. Chirumbolo S. Reply to Claude Lambert. *Hum Vaccin Immunother.* 2014;10(12):3724-5.
125. Chirumbolo S. Genistein as a nature-derived PPAR agonist in adipogenesis and weight gain. *Eur J Nutr.* 2015 Apr;54(3):489-91.
126. Chirumbolo S. On Gelsemium and complementary and alternative medicine (CAM) in anxiety and experimental neurology *Neurol Ther* 2014, *in press* DOI 10.1007/s40120-014-0025-6

127. Chirumbolo S. Letters to the Editor-by Amedee RG-Homeopathy Against Fulminant Hepatic Failure Caused by Fungal Poisoning from the Genus *Amanita*: Critical Comments. *The Ochsner J*. 2014; 14(4):518-519.
128. Chirumbolo S. In vivo anti-diabetic potential of chlorogenic acid as a consequence of synergism with other phenolic compounds? *Br J Nutr*. 2015 Feb;113(3):546-7.
129. Chirumbolo S. Quercetin and heat shock response. *Nutr Res*. 2015 Apr;35(4):357-8.
130. Chirumbolo S. High diluted molecules and gene expression. *Front Pharmacol*. 2014 Aug 14;5:183.
131. Zoico E, Franceschetti G, Chirumbolo S, Rossi AP, Mazzali G, Rizzatti V, Budui S, Zamboni M. Phenotypic shift of adipocytes by cholecalciferol and 1 α ,25 dihydroxycholecalciferol in relation to inflammatory status and calcium content. *Endocrinology*. 2014 Nov;155(11):4178-88.
132. Chirumbolo S. Basophil activation test in wasp venom allergy during mastocytosis. *Cytometry B Clin Cytom*. 2015 Jan;88(1):3-4..
133. Chirumbolo S. Major pitfalls in BAT performance may be caused by gating protocols and CD63% cut off evaluation. *Cytometry A*. 2014 May;85(5):382-5.
134. Chirumbolo S. Immunotherapy in allergy and cellular tests: state of art. *Hum Vaccin Immunother*. 2014;10(6):1595-610. doi: 10.4161/hv.28592. Epub 2014 May 2.
135. Chirumbolo S, Olivieri M. Increase in human basophils IgE-mediated stimulation by omalizumab: a role for membrane Fc γ Rs? *J Allergy Clin Immunol*. 2014 May;133(5):1493-4.
136. Chirumbolo S. Anti-inflammatory action of isorhamnetin. *Inflammation*. 2014 Aug;37(4):1200-1.
137. Chirumbolo S, Franceschetti G, Zoico E, Bambace C, Cominacini L, Zamboni M. LPS response pattern of inflammatory adipokines in an in vitro 3T3-L1 murine adipocyte model. *Inflamm Res*. 2014 Jun;63(6):495-507. Erratum in: *Inflamm Res*. 2014 Jun;63(6):509-12.
138. Chirumbolo S. More on the clinical usefulness of *Oscillococcinum*. *Eur J Intern Med*. 2014 Jun;25(5):e67. doi: 10.1016/j.ejim.2013.12.008. Epub 2014 Jan 15. in press.
139. Chirumbolo S. Basophil activation test (BAT) in the diagnosis of immediate hypersensitivity reactions to radiocontrast media. *Allergy*. 2013 Dec;68(12):1627-8.
140. Zamboni M, Rossi AP, Fantin F, Zamboni G, Chirumbolo S, Zoico E, Mazzali G. Adipose tissue, diet and aging. *Mech Ageing Dev*. 2014 Mar-Apr;136-137:129-37.
141. Chirumbolo S. *Oscillococcinum*®: Misunderstanding or biased interest? *Eur J Intern Med*. 2014 Mar;25(3):e35-6..
142. Chirumbolo S. Adverse effects and homeopathy: may remedies yet contain noxious or toxic molecules? *Br J Clin Pharmacol*. 2014 Jul;78(1):184-5..
143. Chirumbolo S. Opioid non-IgE mediated effects in a BAT assay on drug hypersensitivity to pholcodine. *Cytometry B Clin Cytom*. 2014 Mar;86(2):77.
144. Chirumbolo S. Homeopathy is not pharmacology. *J Intern Med*. 2013 Dec;274(6):612-3.
145. Chirumbolo S. Anticancer properties of the flavone wogonin. *Toxicology*. 2013 Dec 6;314(1):60-4.
146. Chirumbolo S. Bias and adverse effects of homeopathy: is scientific criticism in homeopathy a "mission impossible"? *Int J Clin Pract*. 2013 Sep;67(9):923-6.
147. Chirumbolo S. Homeopathy: bias, mis-interpretations and others. *J Medicine & Person* 2013; 11(1):37-44.
148. Chirumbolo S. Basophil activation test to optimize the diagnosis of adverse effects following immunization to vaccines. *Iran J Allergy Asthma Immunol*. 2013 Jul 9;12(3):196-202.
149. Chirumbolo S. Dietary assumption of plant polyphenols and prevention of allergy. *Curr Pharm Des*. 2014;20(6):811-39.
150. Chirumbolo S. Hormetic effect of *Rosa laevigata* Michx in CCl₄-induced hepatotoxicity and the presumptive role of PPARs. *Food Chem Toxicol*. 2013 Jul;57:387-8.
151. Chirumbolo S. Role of quercetin in vascular physiology. *Can J Physiol Pharmacol*. 2012 Dec;90(12):1652-7.
152. Chirumbolo S. Possible role of NF- κ B in hormesis during ageing. *Biogerontology*. 2012 Dec;13(6):637-46. doi: 10.1007/s10522-012-9402-7.
153. Peroni DG, Chirumbolo S, Veneri D, Piacentini GL, Tenero L, Vella A, Ortolani R, Raffaelli R, Boner AL. Colostrum-derived B and T cells as an extra-lymphoid compartment of effector cell populations in humans. *J Matern Fetal Neonatal Med*. 2013 Jan;26(2):137-42.
154. Chirumbolo S. The role of quercetin in membrane stability. *Gen Physiol Biophys*. 2012 Jun;31(2):229-30; author reply 231-2. doi: 10.4149/gpb_2012_027.
155. Chirumbolo S. Quercetin in cancer prevention and therapy. *Integr Cancer Ther*. 2013 Mar;12(2):97-102.
156. Chirumbolo S. Plant phytochemicals as new potential drugs for immune disorders and cancer therapy: really a promising path? *J Sci Food Agric*. 2012 Jun;92(8):1573-7.
157. Chirumbolo S. Flavonoids in propolis acting on mast cell-mediated wound healing. *Inflammopharmacology*. 2012 Apr;20(2):99-101.
158. Chirumbolo S. Hypothesis: the role of quercetin in adipokine biology. *Nutrition*. 2012 Jul;28(7-8):727-30.
159. Chirumbolo S. Basophil activation test in allergy: time for an update? *Int Arch Allergy Immunol*. 2012;158(2):99-114.

160. Chirumbolo S. State-of-the-art review about basophil research in immunology and allergy: is the time right to treat these cells with the respect they deserve? *Blood Transfus.* 2012 Apr;10(2):148-64.
161. Chirumbolo S. Monitoring of CD63% in basophil activation test and suggested new parameters for allergy diagnosis. *Inflamm Res.* 2012 Feb;61(2):171-6..
162. Chirumbolo S. Plant-derived extracts in the neuroscience of anxiety on animal models: biases and comments. *Int J Neurosci.* 2012 Apr;122(4):177-88.
163. Chirumbolo S. Low maintenance dose in honeybee venom immunotherapy and basophil-based tests. *Pediatr Allergy Immunol.* 2011 Sep;22(6):644-5.
164. Chirumbolo S. Use of basophil activation test in the investigation of adverse effects to vaccines. *Hum Vaccin.* 2011 Aug;7(8):878-80.
165. Chirumbolo S. Molecules and nanoparticles in extreme homeopathic dilutions: is Avogadro's Constant a dogma? *Homeopathy.* 2011 Jul;100(3):107-8..
166. Chirumbolo S, Ortolani R, Veneri D, Raffaelli R, Peroni D, Pigozzi R, Colombatti M, Vella A. Lymphocyte phenotypic subsets in umbilical cord blood compared to peripheral blood from related mothers. *Cytometry B Clin Cytom.* 2011 Jul-Aug;80(4):248-53.
167. Chirumbolo S. Gelsemine and Gelsemium sempervirens L. Extracts in Animal Behavioral Test: Comments and Related Biases. *Front Neurol.* 2011 May 16;2:31.
168. Chirumbolo S. Plant polyphenolic compounds as potential antimicrobial drugs. *J Med Microbiol.* 2011 Oct;60(Pt 10):1562-3.
169. Chirumbolo S. Quercetin as a potential anti-allergic drug: which perspectives? *Iran J Allergy Asthma Immunol.* 2011 Jun;10(2):139-40.
170. Bellavite P, Marzotto M, Chirumbolo S, Conforti A. Advances in homeopathy and immunology: a review of clinical research. *Front Biosci (Schol Ed).* 2011 Jun 1;3:1363-89.
171. Chirumbolo S. Hormesis, resveratrol and plant-derived polyphenols: some comments. *Hum Exp Toxicol.* 2011 Dec;30(12):2027-30.
172. Chirumbolo S. Randomized blinding in basic research of homeopathy: some comments. *Complement Ther Med.* 2011 Apr;19(2):107-8.
173. Chirumbolo S. Propolis as anti-inflammatory and anti-allergic compounds: which role for flavonoids? *Int Immunopharmacol.* 2011 Sep;11(9):1386-7.
174. Chirumbolo S. CD164 and other recently discovered activation markers as promising tools for allergy diagnosis: what's new? *Clin Exp Med.* 2011 Dec;11(4):255-7.
175. Chirumbolo S, Ortolani R, Vella A. CCR3 as a single selection marker compared to CD123/HLADR to isolate basophils in flow cytometry: some comments. *Cytometry A.* 2011 Feb;79(2):102-6.
176. Chirumbolo S, Zanoni G, Ortolani R, Vella A. In vitro Biphasic Effect of Honey Bee Venom on Basophils from Screened Healthy Blood Donors. *Allergy Asthma Immunol Res.* 2011 Jan;3(1):58-61.
177. Chirumbolo S. Basophil and high diluted bio-active molecules: what lies beneath? *Med Sci Monit.* 2010 Dec;16(12):LE22.
178. Chirumbolo S. The role of quercetin, flavonols and flavones in modulating inflammatory cell function. *Inflamm Allergy Drug Targets.* 2010 Sep;9(4):263-85.
179. Chirumbolo S, Marzotto M, Conforti A, Vella A, Ortolani R, Bellavite P. Bimodal action of the flavonoid quercetin on basophil function: an investigation of the putative biochemical targets. *Clin Mol Allergy.* 2010 Sep 17;8:13.
180. Chirumbolo S. The use of IL-3 in basophil activation tests is the real pitfall. *Cytometry B Clin Cytom.* 2011 Mar;80(2):137-8; author reply 139.
181. Bellavite P, Chirumbolo S, Magnani P, Marzotto M, Ortolani R, Vella A, Conforti A (2011) Recherche fondamentale et appliquée dans le domaine biologique . In: Rey L (ed) Santé et Humanisme. Jacques André éditeur, Lyon, pp 147-171
182. Chirumbolo S, Bellavite P. "Homeopathy: ex nihilo fit nihil"? *Homeopathy.* 2010 Jul;99(3):226-7.
183. Bellavite P, Chirumbolo S, Marzotto M. Hormesis and its relationship with homeopathy. *Hum Exp Toxicol.* 2010 Jul;29(7):573-9.
184. Ortolani R, Bellavite P, Paiola F, Martini M, Marchesini M, Veneri D, Franchini M, Chirumbolo S, Tridente G, Vella A. A comparative method for processing immunological parameters: developing an "Immunogram". *Blood Transfus.* 2010 Apr;8(2):118-25.
185. Chirumbolo S, Conforti A, Ortolani R, Vella A, Marzotto M, Bellavite P. Stimulus-specific regulation of CD63 and CD203c membrane expression in human basophils by the flavonoid quercetin. *Int Immunopharmacol.* 2010 Feb;10(2):183-92.
186. Bellavite P, Chirumbolo S, Marzotto M (2010) Hormesis and its relationship with homeopathy. *BELLE Newsletter* 16: 11-18

187. Chirumbolo S, Brizzi M, Ortolani R, Vella A, Bellavite P. Inhibition of CD203c membrane up-regulation in human basophils by high dilutions of histamine: a controlled replication study. *Inflamm Res*. 2009 Nov;58(11):755-64.
188. Chirumbolo S., Ortolani R., Vella A, Brizzi M., Bellavite P. (2009) Il modello dei basofili nello studio delle alte diluizioni dinamizzate. Nuove evidenze di laboratorio. *Il Medico Omeopata (Italian Journal of Classical Homeopathy)*. 14(41): 26-34
189. Chirumbolo S, Vella A, Ortolani R, De Gironcoli M, Solero P, Tridente G, Bellavite P. Differential response of human basophil activation markers: a multi-parameter flow cytometry approach. *Clin Mol Allergy*. 2008 Oct 16;6:12.
190. Bellavite, P., Chirumbolo, C., Magnani, P., Ortolani, R., Conforti, A. (2008) Effectiveness of homeopathy in immunology and inflammation disorders. A literature overview of clinical studies. *Homeopathic Heritage International* 33 (2): 35-57
191. Chirumbolo, S., Brizzi, M., Bellavite, P. (2008) Ricerca di base in omeopatia. Gli studi in vitro sui neutrofili e basofili umani. *Il Medico Omeopata* 13: 20-24
192. Chirumbolo S, Bovo GL, Schiesari F et al. Valutazione della ricerca di RNA virale con kit Roche Amplicor in soggetti anti-HCV positivi. *La Trasfusione del Sangue* 1999; 44(2):70-77.
193. Lippi G, Chirumbolo S, Guidi G. Effect of pyridoxal 5'-phosphate on human neutrophil respiratory burst and adhesion on serum coated microplates. *Biomed Pharmacother*. 1998;52(4):157-61.
194. Chirumbolo S, Schiesari F, Bovo GL, Gaiga GP, Martinelli L, Robbi C, Davi C, Carrara M and Ciaffoni S. Distribuzione dei genotipi HCV in un campione di pazienti in un'area della provincia di Verona Pandora sett dic 1998; 23-26
195. Bellavite, P., Chirumbolo, S., Santonastaso, C., Biasi, D., Lussignoli, S. and Andrioli, G. (1997) Dose-dependence of the various functional responses of neutrophils to formylpeptides. Activation, regulation, and inverse effects according to the agonist dose and cell condition. In: *Signals and Images* (M. Bastide ed.). Kluwer Acad. Publ., Dordrecht, 111-119.
196. Chirumbolo, S., Conforti, A., Lussignoli, S., Metelmann, H. and Bellavite, P. (1997) Effects of Podophyllum peltatum compounds in various preparations and dilutions on human neutrophil functions in vitro. *Brit. Hom. J.* 86: 16-26
197. Conforti, S., Bertani, S., Metelmann, H., Chirumbolo, S., Lussignoli, S. and Bellavite, P. (1997) Experimental studies on the anti-inflammatory activity of a homeopathic preparation. *Biomed. Ther.* 15: 28-31. Spanish publication: Estudios experimentales sobre la actividad antiinflamatoria de un medicamento homeopático. *Medicina Biológica* 2: 36-39 (1997).
198. Carletto A, Bellavite P, Guarini P, Biasi D, Chirumbolo S, Caramaschi P, Bambara LM, Corrocher R. Changes of fatty acid composition and oxidative metabolism of human neutrophils migrating into an inflammatory exudate. *Inflammation*. 1996 Apr;20(2):123-37.
199. Bellavite, P., Conforti, A., Lussignoli, S., Chirumbolo, S., Andrioli, G., Signorini, A. (1996) Recent research developments in homeopathy. *Leader for Chemist* 7(3): 4-15
200. Benoni G, Bellavite P, Adami A, Chirumbolo S, Lippi G, Brocco G, Cuzzolin L. Effect of acute exercise on some haematological parameters and neutrophil functions in active and inactive subjects. *Eur J Appl Physiol Occup Physiol*. 1995;70(2):187-91.
201. Benoni G, Bellavite P, Adami A, Chirumbolo S, Lippi G, Brocco G, Giulini GM, Cuzzolin L. Changes in several neutrophil functions in basketball players before, during and after the sports season. *Int J Sports Med*. 1995 Jan;16(1):34-7.
202. Schinella M, Nicoli M, Lippi G, Chirumbolo S. Effect of pyridoxal 5'-phosphate on human neutrophil aggregation in vitro. *Int J Clin Lab Res*. 1995;25(2):99-103.
203. Chirumbolo, S., Conforti, A., Lussignoli, S., Ortolani, R. and Bellavite, P. (1995) Biologia molecolare e funzioni delle citochine. *Med. Biol.* 13 (1): 3-14
204. Bellavite P, Andrioli G, Guzzo P, Arigliano P, Chirumbolo S, Manzato F, Santonastaso C. A colorimetric method for the measurement of platelet adhesion in microtiter plates. *Anal Biochem*. 1994 Feb 1;216(2):444-50.
205. Bellavite P, Chirumbolo S, Lippi G, Andrioli G, Bonazzi L, Ferro I. Dual effects of formylpeptides on the adhesion of endotoxin-primed human neutrophils. *Cell Biochem Funct*. 1993 Dec;11(4):231-9.
206. Chirumbolo, S., Signorini, A., Bianchi, I., Lippi, G. and Bellavite, P. (1993) Effects of homeopathic preparations of organic acids and of minerals on the oxidative metabolism of human neutrophils. *Brit. Hom. J.* 82: 227-244
207. Bellavite P, Chirumbolo S, Lippi G, Guzzo P, Santonastaso C. Homologous priming in chemotactic peptide-stimulated neutrophils. *Cell Biochem Funct*. 1993 Jun;11(2):93-100.
208. Biasi D, Bambara LM, Carletto A, Caraffi M, Serra MC, Chirumbolo S, Bellavite P. Factor-specific changes in oxidative burst response of human neutrophils in skin-window exudates. *Inflammation*. 1993 Feb;17(1):13-23.

209. Bellavite P, Chirumbolo S, Mansoldo C, Gandini G, Dri P. Simultaneous assay for oxidative metabolism and adhesion of human neutrophils: evidence for correlations and dissociations of the two responses. *J Leukoc Biol.* 1992 Apr;51(4):329-35.

FIRMA

Salvatore Chirumbolo



