

## **CURRICULUM VITAE**

### **LAURA DI RENZO**

Laura Di Renzo, PhD in Molecular and Cellular Biology and specialist in Food Science, is full professor of Clinical Nutrition, Scientific Disciplinary Sector MED/49 (Applied dietetic sciences and techniques), at the Section of Clinical Nutrition and Nutrigenomics, of the Department of Biomedicine and Prevention, President of the Degree Course in Pharmacy, Director of the School of Specialization in Food Science, Coordinator of the Master's Degree Course in Physical Activity and Health Promotion, of the University of Rome Tor Vergata. She is coordinator of the II level Master's Degree in "Weight Eating Disorders", University of Rome Tor Vergata. He is a member of the teaching board of the Doctoral School in Applied Medical-Surgical Sciences; member of the Council of the scientific committee of the research center "Grammar and sexism".

Co-Coordinator of the Food Working Group of the University Network for Sustainable Development (RUS) and contact person for the Department of Biomedicine and prevention for sustainable development, at the University Committee. Member of the promoting committee for the Food Policy for Rome.

Since 2022, he has been in the top 2% of scientists, who stand out for their research and the quality of their publications, according to the STANFORD UNIVERSITY world ranking.

Expert in nutritional genomics and body composition, she carries out her research in the field of clinical nutrition and food safety and nutritional quality, for the prevention of chronic degenerative non-communicable diseases, according to predictive, preventive, personalized and participatory medicine. She deals with food resilience models of food and health in Italy, from a One Health perspective. Her research is aimed at promoting the Italian Mediterranean Diet, food safety and nutritional quality with a life-course approach that is particularly attentive to the most vulnerable subjects.

She co-created, together with Prof. Antonino De Lorenzo, the Nutrient and hazard analysis of critical control point (NACCP) process, useful for the development of a healthy and sustainable food model. The NACCP process is an integral part of the Medicinal Plants Sector Plan 2014-2016 (Ministerial Decree: 15391 of 10/12/2013) in agreement with the Ministry of Health; of the Agreement pursuant to article 4 and legislative decree 28 August 1997 n. 281, between the Government, the Regions and the autonomous Provinces of Trento and Bolzano on the document containing "Evaluation of National Criticalities in the field of nutrition and intervention strategies 2016 - 2019", which in Point III, "Integration of Environment-Health Social Determinants -Cultural" expresses the need to promote and encourage the adoption of the NACCP process in local prevention structures (SIAN and VET) to promote food and nutritional safety policies, the optimization of control capabilities, a single integrated progress and a effective communication; as well as, in Annex III-3 of the same document, the need to activate the necessary collaborations with the Ministry of Agriculture and the Environment for the start of the update of the Italian Food Composition Database.

You hold institutional positions for the Ministry of Agricultural, Food and Forestry Policies, as a permanent technical-scientific expert for the Organic Agriculture Sector, "EG\_Bio" Group, for the Research Office, Department of European and international rural development policies; Coordinator and scientific technical expert of the "Research and Experimentation" Group, Medicinal plants supply chain table; representative of the "Territorial marketing and multifunctionality" working group of the chestnut and coriaco sector.

She is the author of over 150 scientific publications in international journals and 10 sector books.

## Publication:

1. S. Scarpa, O. Sapora, M.A. Tabocchini, **L. Di Renzo**, M. Bigioni, S. Pazzaglia, F. Palitti, D. Carotti, R. Strom. Effect of X-Rays on the differentiation of L5 myoblast cell line. *Italian Journal Biochemistry*, 1989, Vol 38: 263A-265A.
2. Scarpa S., **Di Renzo L.**, Strom R. The role of DNA methylation in the differentiation of L5 myoblast cell line. *Nucleic Acid Methylation*, 1990, 128: 103-112.
3. G. Campiani, V. Nacci, I. Fiorini, M.P. De Filippis, A. Garofalo, G. Greco, E. Novellino, S. Altamura, and **L. Di Renzo**. Pyrrolo-benzothiazepinones and Pyrrolo-benzoxazepinone: novel and specific non-nucleoside HIV-1 reverse transcriptase inhibitors with antiviral activity. *Journal Med. Chemistry*, 1996, 36: 2672-2680.
4. Cerretani M, **Di Renzo L**, Serafini S, Vitelli A, Gennari N, Bianchi E, Pessi A, Urbani A, Colloca S, De Francesco R, Steinkuhler C, Altamura S. A High-Throughput radiometric assay for Hepatitis C virus NS-3 protease, *Anal. Biochem.*, 1999, Jan, 15; 266 (2): 192-197.
5. Steinkuhler C, Biasiol G., Cerretani M, **Di Renzo L**, Brunetti M., Ingallinella P., De Francesco R, Altamura S.. A scintillation proximity active site binding assay for Hepatitis C virus serine protease. *Anal. Biochem.*, 2002, Aug, 1;307 (1): 99-104.
6. **Di Renzo L**, Del Gobbo V, Bigioni M, Premrov MG, Cianci R, and De Lorenzo. Body composition analyses in Normal Weight Obese women. *Eur Rev Med Pharmacol Sci.*, 2006; 10 (4): 191-196.
7. **Laura Di Renzo**, Mario Bigioni, Fulvia Gloria Bottini, Vera Del Gobbo, Maria Grazia Premrov, Rossella Ciancia, Antonino De Lorenzo Normal Weight Obese syndrome: role of single nucleotide polymorphism of IL-15R $\alpha$  and MTHFR 677C>T genes in the relationship between body composition and resting metabolic rate. *Eur Rev Med Pharmacol Sci.*, 2006, 10 (5):235 -245
8. De Lorenzo A, Martinoli R, Vaia F, **Di Renzo L** Normal weight obese (NWO) women: an evaluation of a candidate new syndrome. *Nutr Metab Cardiovasc Dis.* 2006, Dec;16(8): 513-23.
9. Matteo Bognanno, Luca La Fauci, Alberto Ritieni, Alessio Tafuri, **Laura Di Renzo**, Antonino De Lorenzo, Pietro Micari, Virginia Sarullo and Fabio Galvano. Survey of the occurrence of Aflatoxin M1 in ovine milk by HPLC and its confirmation by MS. *Mol Nutr Food Res.*, 2006, 50(3):300-5.
10. Di Lorenzo Nicola MD, Servidio Michele MD, **Di Renzo Laura** PhD, Orlandi Carmine Ph, Coscarella Giorgio MD, Gaspari Achille MD, De Lorenzo Antonino MD, PhD. Is digital image plethysmographic (DIP) acquisition a valid new tool for preoperative body composition assessment? A validation by dual-energy X-ray absorptiometry. *Obesity Surgery*, 2006, May;16(5):560-6.
11. Antonino De Lorenzo, Vera Del Gobbo, Maria Grazia Premrov, Mario Bigioni, Fabio Galvano and **Laura Di Renzo**. Normal Weight Syndrome: an early inflammation?. *American Journal Clinical Nutrition*, 2007, Jan;85(1):40-5.
12. **Laura Di Renzo**, Mario Bigioni, Vera Del Gobbo, Maria Grazia Premrov, Nicola Di Lorenzo, and Antonino De Lorenzo. Interleukin-1 (IL-1) receptor antagonist gene polymorphism in Normal Weight Obese syndrome: relationship to body composition and IL-1  $\alpha$  and  $\beta$  plasma levels. *Pharmacol Res.*, 2007, Feb;55(2):131-8.
13. Claudia Di Giacomo, Rosaria Acquaviva, Andrea Piva, Valeria Sorrenti, Luca Vanella, Gianfranco Piva, Gabriele Casadei, Luca La Fauci, Alberto Ritieni, Bognanno Matteo, **Laura Di Renzo**, Maria L. Barcellona, Mauro Morlacchini and Fabio Galvano. Protective effect of cyanidin 3-O-b-D-glucoside on ochratoxin A-mediated damage in the rat *British Journal of Nutrition* (2007), Nov;98(5):937-43.
14. F. Gloria-Bottini, V. Cervelli, GF Giarrizzo. R Martinoli, **Di Renzo L.**, A De Lorenzo. Sex Differences in Body Fat Parameters from the Early Reproductive to the Postreproductive Period of Life: A Multivariate Analysis. *Human Biology*, 2007; 79(4):373-9.
15. De Angelis S, Noce A, **Di Renzo L**, Cianci R, Naticchia A, Giarrizzo GF, Giordano F, Tozzo C, Splendiani G, De Lorenzo A. Is rasburicase an effective alternative to allopurinol for management of hyperuricemia in renal failure patients? A double blind-randomized study. *Eur Rev Med Pharmacol Sci.* 2007 May-Jun;11(3):179-84.

16. F. Gloria-Bottini, Magrini A., Antonacci E., La Torre LA., **Di Renzo L.**, De Lorenzo A., Bergamaschi A., Bottini E. Phosphoglutamase Genetic Polymorphism and body Mass. *The American Journal of the Medical Sciences* 2007 Dec; 334 (6): 421-425.
17. **Di Renzo L.**, Di Pierro D, Bigioni M, Sodi V, Galvano F, Cianci R, La Fauci L, De Lorenzo A. Is antioxidant plasma status in humans a consequence of the antioxidant food content influence? *Eur Rev Med Pharmacol Sci.* 2007 May-Jun;11(3):185-92. PMID: 17970235.
18. Monteleone G, De Lorenzo A, Sgroi M, De Angelis S, **Di Renzo L.** Contraindications for whole body vibration training: a case of nephrolithiasis. *J Sports Med Phys Fitness.* 2007 Dec;47(4):443-5. PMID: 18091685.
19. **Di Renzo L.**, Noce A, De Angelis S, Miani N, Di Daniele N, Tozzo C, De Lorenzo A. Anti-inflammatory effects of combined treatment with acetyl salicylic acid and atorvastatin in haemodialysis patients affected by Normal Weight Obese syndrome. *Pharmacol Res.* 2008 Feb;57(2):93-9. doi: 10.1016/j.phrs.2007.11.005. Epub 2007 Dec 5. PMID: 18262432.
20. Saraceno R, Schipani C, Mazzotta A, Esposito M, **Di Renzo L.**, De Lorenzo A, Chimenti S. Effect of anti-tumor necrosis factor-alpha therapies on body mass index in patients with psoriasis. *Pharmacol Res.* 2008 Apr;57(4):290-5. doi: 10.1016/j.phrs.2008.02.006. Epub 2008 Feb 29. PMID: 18400510.
21. **Di Renzo L.**, Bertoli A, Bigioni M, Del Gobbo V, Premrov MG, Calabrese V, Di Daniele N, De Lorenzo A. Body composition and -174G/C interleukin-6 promoter gene polymorphism: association with progression of insulin resistance in normal weight obese syndrome. *Curr Pharm Des.* 2008;14(26):2699-706. doi: 10.2174/138161208786264061. PMID: 18991689. 22
22. Calabrese V, Bates TE, Mancuso C, Cornelius C, Ventimiglia B, Cambria MT, **Di Renzo L.**, De Lorenzo A, Dinkova-Kostova AT. Curcumin and the cellular stress response in free radical-related diseases. *Mol Nutr Food Res.* 2008 Sep;52(9):1062-73.
23. C Calabrese V, Cornelius C, Trovato A, Cavallaro M, Mancuso C, **Di Renzo L.**, Condorelli D, De Lorenzo A, Calabrese EJ. The hormetic role of dietary antioxidants in free radical-related diseases. *Curr Pharm Des.* 2010;16(7):877-83. doi: 10.2174/138161210790883615. PMID: 20388101.
24. Cervelli V, **Di Renzo L.**, Grimaldi M, Di Fede MC, Gentile P, Gravante G, di Lorenzo N, De Lorenzo A. Dual energy X-ray absorptiometry in pre-obese/obese women undergoing reduction mammoplasty. *J Plast Reconstr Aesthet Surg.* 2009 Jun;62(6):e187-9. doi: 10.1016/j.bjps.2008.07.027. Epub 2009 Mar 28. PMID: 19328759.
25. **Di Renzo L.**, Gloria-Bottini F, Saccucci P, Bigioni M, Abenavoli L, Gasbarrini G, De Lorenzo Role of interleukin-15 receptor alpha polymorphisms in normal weight obese syndrome. *A. Int J Immunopathol Pharmacol.* 2009 Jan-Mar;22(1):105-13.
26. De Lorenzo A, **Di Renzo L.**, Puja A, Saccucci P, Gloria-Bottini F, Bottini E. A study of acid phosphatase locus 1 in women with high fat content and normal body mass index. *Metabolism.* 2009 Mar;58(3):351-4
27. Saraceno R, Ruzzetti M, De Martino MU, **Di Renzo L.**, Cianci R, De Lorenzo A, Chimenti S. Does metabolic syndrome influence psoriasis? *Eur Rev Med Pharmacol Sci.* 2008 Sep-Oct;12(5):339-41.
28. Di Daniele N, Condò S, Ferrannini M, Bertoli M, Rovella V, **Di Renzo L.**, De Lorenzo A. Brown tumour in a patient with secondary hyperparathyroidism resistant to medical therapy: case report on successful treatment after subtotal parathyroidectomy. *Int J Endocrinol.* 2009; 2009:827652. doi: 10.1155/2009/827652. PMID: 20011058; PMCID: PMC2778191.
29. Gloria-Bottini F, Magrini A, **Di Renzo L.**, De Lorenzo A, Bergamaschi A, Bottini E. Body mass index and acid phosphatase locus 1 in diabetic disorders. *Acta Diabetol.* 2010 Dec;47 Suppl 1:139-43. doi: 10.1007/s00592-009-0153-0. Epub 2009 Oct 24. PMID: 19855922.
30. **Di Renzo L.**, Saraceno R, Schipani C, Chimenti S, De Lorenzo A. Why 3 mg/kg instead of 5 mg/kg of infliximab should work in psoriatic arthritis? *J Dermatol.* 2009 Dec;36(12):666-8. doi: 10.1111/j.1346-8138.2009.00730.x. PMID: 19958455.
31. De Lorenzo A, Noce A, Bigioni M, Calabrese V, Della Rocca DG, Di Daniele N, Tozzo C, **Di Renzo L.** The effects of Italian Mediterranean organic diet (IMOD) on health status. *Curr Pharm Des.* 2010;16(7):814-24. doi: 10.2174/138161210790883561. PMID: 20388092.

32. Carbonelli MG, **Di Renzo L**, Bigioni M, Di Daniele N, De Lorenzo A, Fusco MA. Alpha-lipoic acid supplementation: a tool for obesity therapy? *Curr Pharm Des.* 2010;16(7):840-6. doi: 10.2174/138161210790883589. PMID: 20388095.
33. **Di Renzo L**, Galvano F, Orlandi C, Bianchi A, Di Giacomo C, La Fauci L, Acquaviva R, De Lorenzo A. Oxidative Stress in Normal-Weight Obese Syndrome. *Obesity (Silver Spring).* 2010 Mar 25, doi:10.1038/oby.2010.50 2010 Nov;18(11):2125-30
34. Pace G, Di Massimo C, De Amicis D, Corbacelli C, **Di Renzo L**, Vicentini C, Miano L, Tozzi Ciancarelli MG. Oxidative stress in benign prostatic hyperplasia and prostate cancer. *Urol Int.* 2010;85(3):328-33. doi: 10.1159/000315064. Epub 2010 May 20. PMID: 20484887.
35. Pennisi G, Cornelius C, Cavallaro MM, Salinaro AT, Cambria MT, Pennisi M, Bella R, Milone P, Ventimiglia B, Migliore MR, **Di Renzo L**, De Lorenzo A, Calabrese V. Redox regulation of cellular stress response in multiple sclerosis. *Biochem Pharmacol.* 2011 Nov 15;82(10):1490-9. doi: 10.1016/j.bcp.2011.07.092. Epub 2011 Jul 30. PMID: 21824468.
36. **Di Renzo L**, Carbonelli MG, Bianchi A, Iacopino L, Fiorito R, Di Daniele N, De Lorenzo A. Body composition changes after laparoscopic adjustable gastric banding: what is the role of -174G>C interleukin-6 promoter gene polymorphism in the therapeutic strategy? *Int J Obes (Lond).* 2012 Mar;36(3):369-78. doi: 10.1038/ijo.2011.132. Epub 2011 Jul 5. PMID: 21730965.
37. Costacurta M, **Di Renzo L**, Bianchi A, Fabiocchi F, De Lorenzo A, Docimo R. Obesity and dental caries in paediatric patients. A cross-sectional study. *Eur J Paediatr Dent.* 2011 Jun;12(2):112-6. PMID: 21668283.
38. **Di Renzo L**, Saraceno R, Schipani C, Rizzo M, Bianchi A, Noce A, Esposito M, Tiberti S, Chimenti S, DE Lorenzo A. Prospective assessment of body weight and body composition changes in patients with psoriasis receiving anti-TNF- $\alpha$  treatment. *Dermatol Ther.* 2011 Jul;24(4):446-51. doi: 10.1111/j.1529-8019.2011.01439.x.
39. De Lorenzo A, Bianchi A, Maroni P, Iannarelli A, Di Daniele N, Iacopino L, **Di Renzo L**. Adiposity rather than BMI determines metabolic risk. *Int J Cardiol.* 2013 Jun 5;166(1):111-7. doi: 10.1016/j.ijcard.2011.10.006. Epub 2011 Nov 15. PMID: 22088224.
40. **Di Renzo L**, Bianchi A, Saraceno R, Calabrese V, Cornelius C, Iacopino L, Chimenti S, De Lorenzo A. -174G/C IL-6 gene promoter polymorphism predicts therapeutic response to TNF- $\alpha$  blockers. *Pharmacogenet Genomics.* 2012 Feb;22(2):134-42.
41. **Di Renzo L**, Carbonelli MG, Bianchi A, Domino E, Migliore MR, Rillo G, Iacopino L, Di Daniele N, De Lorenzo A. Impact of the -174 G > C IL-6 polymorphism on bioelectrical parameters in obese subjects after laparoscopic adjustable gastric banding. *J Obes.* 2012; 2012:208953. doi: 10.1155/2012/208953. Epub 2012 May 15. PMID: 22675611; PMCID: PMC3362119.
42. Simona Di Caro, Dario Raimondo, Benedetto Mangiavillano, Enzo Masci, Alberto Mariani, Antonio Gasbarrini, Antonino De Lorenzo, **Laura Di Renzo**, Ennio La Rocca Oral high dose Beclomethasone dipropionate for treatment of active ulcerative colitis. *Gastroenterology Insight.vol.4, n.1* 2012: 28-31. <http://dx.doi.org/10.4081/gi.2012.e9>
43. Costacurta M, Sicuro L, **Di Renzo L**, Condò R, De Lorenzo A, Docimo R. Childhood obesity and skeletal-dental maturity. *Eur J Paediatr Dent.* 2012 Jun;13(2):128-32
44. **Di Renzo L**, Bianchi A., Monteleone G., Sergi S., Jacoangeli F., Rizzo M., Sarlo F., Domino E., Perrone A., Iacopino L., De Lorenzo A. Osteoporosi, una epidemia silenziosa: ruolo del polimorfismo genetico 677 C/T del gene della MTHFR. *Rivista di Patologia dell'Apparato locomotore. Vol.IX. Fasc. 1-2010. ISSN: 0394-0772*
45. Monteleone G., **Di Renzo L**, Bianchi A., Sergi S., Rizzo M., Sarlo F., Domino E., Perrone A., Iacopino L., De Lorenzo A. Massa ossea e podismo: studio densitometrico in maratoneti nella sesta decade di vita. *Rivista di Patologia dell'Apparato locomotore. Vol.IX. Fasc. 1-2010. ISSN: 0394-0772*
46. Bianchi A., **Di Renzo L**, Monteleone G., Sergi S., Rizzo M., Sarlo F., Domino E., Perrone A., Iacopino L., De Lorenzo A. Ruolo del polimorfismo genetico del codone 72 del gene p53 nel rischio cardiometabolico in soggetti obesi *Rivista di Patologia dell'Apparato locomotore. Vol.IX. Fasc. 1-2010. ISSN: 0394-0772*

47. Petramala L., **Di Renzo L.**, Monteleone G., Bianchi A., Sergi S., Jacoangeli F., Rizzo M., Sarlo F., Domino E., Perrone A., Iacopino L., De Lorenzo A. Il ruolo della Dieta Mediterranea Italiana di Riferimento nella Sindrome Metabolica e nell'osteoporosi. *Rivista di Patologia dell'Apparato locomotore*. Vol.IX. Fasc. 1-2010. ISSN: 0394-0772
48. Di Daniele N, Petramala L, **Di Renzo L**, Sarlo F, Della Rocca DG, Rizzo M, Fondacaro V, Iacopino L, Pepine CJ, De Lorenzo A. Body composition changes and cardiometabolic benefits of a balanced Italian Mediterranean Diet in obese patients with metabolic syndrome. *Acta Diabetol*. 2013 Jun;50(3):409-16. doi: 10.1007/s00592-012-0445-7. Epub 2012 Nov 28. PMID: 23188216.
49. Rizzo M, Tyndall EK, Frontoni S, Jacoangeli F, Sarlo F, Panebianco F, Mistorni A, **Di Renzo L**, Calafiore R, Luca G, De Lorenzo A. Rapid and easy assessment of insulin resistance contributes to early detection of polycystic ovary syndrome. *J Endocrinol Invest*. 2013 Jul-Aug;36(7):527-30. doi: 10.3275/8947. Epub 2013 Apr 23. PMID: 23612476.
50. **Di Renzo L**, Rizzo M, Sarlo F, Colica C, Iacopino L, Domino E, Sergi D, De Lorenzo A. Effects of dark chocolate in a population of Normal Weight Obese women: a pilot study. *Eur Rev Med Pharmacol Sci*. 2013 Aug;17(16):2257-66.
51. **Di Renzo L**, Rizzo M, Iacopino L, Sarlo F, Domino E, Jacoangeli F, Colica C, Sergi D, De Lorenzo A. Body composition phenotype: Italian Mediterranean Diet and C677T MTHFR gene polymorphism interaction. *Eur Rev Med Pharmacol Sci*. 2013 Oct;17(19):2555-65
52. **Di Renzo L**, Sarlo F, Petramala L, Iacopino L, Monteleone G, Colica C, De Lorenzo A. Association between -308 G/A TNF- $\alpha$  Polymorphism and Appendicular Skeletal Muscle Mass Index as a Marker of Sarcopenia in Normal Weight Obese Syndrome. *Dis Markers*. 2013;35(6):615-23. doi: 10.1155/2013/983424. Epub 2013 Oct 30.
53. De Lorenzo A, Nardi A, Iacopino L, Domino E, Murdolo G, Gavrila C, Minella D, Scapagnini G, **Di Renzo L**. A new predictive equation for evaluating women body fat percentage and obesity-related cardiovascular disease risk. *J Endocrinol Invest*. 2014 Jan 24. [Epub ahead of print]
54. **Laura Di Renzo**, Alberto Carraro, Daniela Minella, Roberto Botta, Cecilia Contessa, Chiara Sartor, Anna Maria Iacopino, Antonino De Lorenzo. Nutrient Analysis Critical Control Point (NACCP): Hazelnut as a Prototype of Nutrigenomic Study. *Food and Nutrition Sciences*, 2014, 5, 79-88. Published Online January 2014(<http://www.scirp.org/journal/fns>). <http://dx.doi.org/10.4236/fns.2014.51011>
55. Di Daniele N, **Di Renzo L**, Noce A, Iacopino L, Ferraro PM, Rizzo M, Sarlo F, Domino E, De Lorenzo A. Effects of Italian Mediterranean organic diet vs. low-protein diet in nephropathic patients according to MTHFR genotypes. *J Nephrol*. 2014 Oct;27(5):529-36. doi: 10.1007/s40620-014-0067-y. Epub 2014 Apr 8. PMID: 24711158.
56. **Di Renzo L**, Carraro A, Valente R, Iacopino L, Colica C, De Lorenzo A. Intake of red wine in different meals modulates oxidized LDL level, oxidative and inflammatory gene expression in healthy people: a randomized crossover trial. *Oxid Med Cell Longev*. 2014;2014:681318. doi: 10.1155/2014/681318. Epub 2014 Apr 30.
57. Scapagnini G, Davinelli S, **Di Renzo L**, De Lorenzo A, Olarte HH, Micali G, Cicero AF, Gonzalez S. Cocoa Bioactive Compounds: Significance and Potential for the Maintenance of Skin Health. *Nutrients*. 2014 Aug 11;6(8):3202-3213.
58. **Di Renzo L**, Santo Gratteri, Francesca Sarlo, Andrea Cabibbo, Carmen Colica, and Antonino De Lorenzo Individually Tailored Screening of Susceptibility to Sarcopenia Using p53 Codon 72 Polymorphism, Phenotypes, and Conventional Risk Factors. . *Disease Markers*, vol. 2014, Article ID 743634, 10 pages, 2014. doi:10.1155/2014/743634.
59. **Di Renzo L**, Marsella L, Sarlo F, Soldati L, Gratteri S, Abenavoli L, De Lorenzo A. C677T gene polymorphism of MTHFR and metabolic syndrome: response to dietary intervention. *Journal of Translational Medicine* 2014, 12 :329
60. Costacurta M, **Di Renzo L**, Sicuro L, Gratteri S, De Lorenzo A, Docimo R. Dental caries and childhood obesity: analysis of food intakes, lifestyle. *Eur J Paediatr Dent*. 2014 Dec;15(4):343-8. PMID: 25517577.

61. **Di Renzo L**, Marsella LT, Carraro A, Valente R, Gualtieri P, Gratteri S, Tomasi D, Gaiotti F, De Lorenzo A. Changes in LDL Oxidative Status and Oxidative and Inflammatory Gene Expression after Red Wine Intake in Healthy People: A Randomized Trial. *Mediators Inflamm.* 2015;2015:317348. doi: 10.1155/2015/317348. Epub 2015 May 25.
62. **Di Renzo L**, Colica C, Carraro A, Cenci Goga B, Marsella LT, Botta R, Colombo ML, Gratteri S, Chang TF, Droli M, Sarlo F, De Lorenzo A. Food safety and nutritional quality for the prevention of non communicable diseases: the Nutrient, hazard Analysis and Critical Control Point process (NACCP). *J Transl Med.* 2015 Apr 23;13:128. doi: 10.1186/s12967-015-0484-2.
63. **Di Renzo L**, Tyndall E, Gualtieri P, Carboni C, Valente R, Ciani AS, Tonini MG, De Lorenzo A. Association of body composition and eating behavior in the normal weight obese syndrome. *Eat Weight Disord.* 2016 Mar;21(1):99-106. doi: 10.1007/s40519-015-0215-y. Epub 2015 Sep 7. PMID: 26347355.
64. Di Caro S, Cheung WH, Fini L, Keane MG, Theis B, Haidry R, **Di Renzo L**, De Lorenzo A, Lovat L, Batterham RL, Banks M. Role of body composition and metabolic profile in Barrett's oesophagus and progression to cancer. *Eur J Gastroenterol Hepatol.* 2016 Mar;28(3):251-60. doi: 10.1097/MEG.0000000000000536. PMID: 26671515; PMCID: PMC4739314.
65. Denoth F, Scalese M, Siciliano V, **Di Renzo L**, De Lorenzo A, Molinaro S. Clustering eating habits: frequent consumption of different dietary patterns among the Italian general population in the association with obesity, physical activity, sociocultural characteristics and psychological factors. *Eat Weight Disord.* 2016 Jun;21(2):257-68. doi: 10.1007/s40519-015-0225-9. Epub 2015 Oct 8. PMID: 26449854.
66. De Lorenzo A, Soldati L, Sarlo F, Calvani M, Di Lorenzo N, **Di Renzo L**. New obesity classification criteria as a tool for bariatric surgery indication. *World J Gastroenterol.* 2016 Jan 14;22(2):681-703. doi: 10.3748/wjg.v22.i2.681.
67. Colagiovanni A, **Di Renzo L**, Sarlo F, Schiavino D, De Lorenzo A. Role of TNF-alpha polymorphism in patients with nickel allergy: a marker of susceptibility to contact polysensitization. *Eur Rev Med Pharmacol Sci.* 2016 Jun;20(12):2663-6.
68. Abenavoli L, **Di Renzo L**, De Lorenzo A. Body Composition and Non-alcoholic Fatty Liver Disease. *J Lifestyle Med.* 2016 Mar;6(1):47-8. doi: 10.15280/jlm.2016.6.1.47. No abstract available.
69. Abenavoli L, Milic N, **Di Renzo L**, Preveden T, Medić-Stojanoska M, De Lorenzo A. Review. Metabolic aspects of adult patients with nonalcoholic fatty liver disease. *World J Gastroenterol.* 2016 Aug 21;22(31):7006-16. doi: 10.3748/wjg.v22.i31.7006. *World J*
70. Ludovico Abenavoli, **Laura Di Renzo**, Antonino De Lorenzo. Body Composition and Non-alcoholic Fatty Liver Disease. *Journal of Lifestyle Medicine.* 2016;6:47–48 <http://dx.doi.org/10.15280/jlm.2016.6.1.47>
71. Merra G, Miranda R, Barrucco S, Gualtieri P, Mazza M, Moriconi E, Marchetti M, Chang TF, De Lorenzo A, **Di Renzo L**. Very-low-calorie ketogenic diet with aminoacid supplement versus very low restricted-calorie diet for preserving muscle mass during weight loss: a pilot double-blind study. *Eur Rev Med Pharmacol Sci.* 2016 Jul;20(12):2613-21.
72. De Lorenzo A, Bernardini S, Gualtieri P, Cabibbo A, Perrone MA, Giambini I, **Di Renzo L**. Mediterranean meal versus Western meal effects on postprandial ox-LDL, oxidative and inflammatory gene expression in healthy subjects: a randomized controlled trial for nutrigenomic approach in cardiometabolic risk. *Acta Diabetol.* 2016 Oct 5. [Epub ahead of print]
73. Merra G, Gratteri S, De Lorenzo A, Barrucco S, Perrone MA, Avolio E, Bernardini S, Marchetti M, **Di Renzo L**. Effects of very-low-calorie diet on body composition, metabolic state, and genes expression: a randomized double-blind placebo-controlled trial. *Eur Rev Med Pharmacol Sci.* 2017 Jan;21(2):329-345.
74. Colica C, **Di Renzo L**, Gualtieri P, Romano L, Costa de Miranda R, De Lorenzo A, Purificato I. Development and cross-validation of predictive equation for estimating total body lean in children. *Ann Ist Super Sanita.* 2018 Jan-Mar;54(1):20-27. doi: 10.4415/ANN\_18\_01\_06.
75. Soldati L, **Di Renzo L**, Jirillo E, Ascierio PA, Marincola FM, De Lorenzo A. The influence of diet on anti-cancer immune responsiveness. *J Transl Med.* 2018 Mar 20;16(1):75. doi: 10.1186/s12967-018-1448-0. Review.

76. Colica C, **Di Renzo L**, Trombetta D, Smeriglio A, Bernardini S, Cioccoloni G, Costa de Miranda R, Gualtieri P, Sinibaldi Salimei P, De Lorenzo A. Antioxidant Effects of a Hydroxytyrosol-Based Pharmaceutical Formulation on Body Composition, Metabolic State, and Gene Expression: A Randomized Double-Blinded, Placebo-Controlled Crossover Trial. *Oxid Med Cell Longev*. 2017;2017:2473495. doi: 10.1155/2017/2473495. Epub 2017 Aug 9.
77. De Lorenzo A, Costacurta M, Merra G, Gualtieri P, Cioccoloni G, Marchetti M, Varvaras D, Docimo R, **Di Renzo L**. Can psychobiotics intake modulate psychological profile and body composition of women affected by normal weight obese syndrome and obesity? A double blind randomized clinical trial. *J Transl Med*. 2017 Jun 10;15(1):135. doi: 10.1186/s12967-017-1236-2.
78. **Di Renzo L**, Cammarano A, De Lorenzo A. The misclassification of obesity affects the course of migraine. *J Headache Pain*. 2018 Aug 3;19(1):63. doi: 10.1186/s10194-018-0895-6. PubMed PMID: 30076482; PubMed Central PMCID: PMC6081871.
79. Avolio E, Fazzari G, Zizza M, De Lorenzo A, **Di Renzo L**, Alò R, Facciolo RM, Canonaco M. Probiotics modify body weight together with anxiety states via pro-inflammatory factors in HFD-treated Syrian golden hamster. *Behav Brain Res*. 2019 Jan 1;356:390-399. doi: 10.1016/j.bbr.2018.09.010. Epub 2018 Sep 14. PubMed PMID: 30223002.
80. Alwardat N, **Di Renzo L**, De Lorenzo A. Comment on "The Gut Microbiome Profile in Obesity: A Systematic Review". *Int J Endocrinol*. 2018 Aug 23;2018:6015278. doi: 10.1155/2018/6015278. eCollection 2018. PubMed PMID: 30210540; PubMed Central PMCID: PMC6126090.
81. Alwardat N, **Di Renzo L**, de Miranda RC, Alwardat S, Sinibaldi Salimei P, De Lorenzo A. Association between hypertension and metabolic disorders among elderly patients in North Jordan. *Diabetes Metab Syndr*. 2018 Apr 12. pii: S1871-4021(18)30071-7. doi: 10.1016/j.dsx.2018.04.011. [Epub ahead of print]
82. **Di Renzo L**, Cioccoloni G, Sinibaldi Salimei P, Ceravolo I, De Lorenzo A, Gratteri S. Alcoholic Beverage and Meal Choices for the Prevention of Noncommunicable Diseases: A Randomized Nutrigenomic Trial. *Oxid Med Cell Longev*. 2018 Jun 27;2018:5461436. doi: 10.1155/2018/5461436. eCollection 2018. PubMed PMID: 30050655; PubMed Central PMCID: PMC6040274.
83. Abenavoli L, **Di Renzo L**, Boccuto L, Alwardat N, Gratteri S, De Lorenzo A. Health benefits of Mediterranean diet in nonalcoholic fatty liver disease. *Expert Rev Gastroenterol Hepatol*. 2018 Sep;12(9):873-881. doi: 10.1080/17474124.2018.1503947. Epub 2018 Aug 1. Review. PubMed PMID: 30033779.
84. Cintia Maestrelti Consulin, Damiane Ferreira, Idemauro Antonio Rodrigues de Lara, Antonino De Lorenzo, **Laura di Renzo** & Cesar Augusto Taconeli. Performance of coefficient of variation estimators in ranked set sampling. *Journal of Statistical Computation and Simulation* (2018), volume 88, issue 2: Pages 221-234. <https://doi.org/10.1080/00949655.2017.1381959>
85. De Lorenzo A, Bernardini S, Gualtieri P, Cabibbo A, Perrone MA, Giambini I, **Di Renzo L**. Mediterranean meal versus Western meal effects on postprandial ox-LDL, oxidative and inflammatory gene expression in healthy subjects: a randomized controlled trial for nutrigenomic approach in cardiometabolic risk. *Acta Diabetol*. 2017 Feb;54(2):141-149. doi: 10.1007/s00592-016-0917-2. Epub 2016 Oct 5. PMID: 27709360.
86. **Di Renzo L**, Cioccoloni G, Sinibaldi Salimei P, Ceravolo I, De Lorenzo A, Gratteri S. Alcoholic Beverage and Meal Choices for the Prevention of Noncommunicable Diseases: A Randomized Nutrigenomic Trial. *Oxid Med Cell Longev*. 2018 Jun 27;2018: 5461436. doi: 10.1155/2018/5461436. eCollection 2018. PubMed PMID: 30050655; PubMed Central PMCID: PMC6040274.
87. Franco R, Miranda M, Di Renzo L, De Lorenzo A, Barlattani A, Bollero P. Glanzmann's Thrombastenia: The Role of Tranexamic Acid in Oral Surgery. *Case Rep Dent*. 2018 Sep 5;2018:9370212. doi: 10.1155/2018/9370212. eCollection 2018. PubMed PMID: 30254767; PubMed Central PMCID: PMC6145161.
88. Bollero P, **Di Renzo L**, Franco R, Rampello T, Pujia A, Merra G, De Lorenzo A, Docimo R. Effects of new probiotic mouthwash in patients with diabetes mellitus and cardiovascular diseases. *Eur Rev Med Pharmacol Sci*. 2017 Dec;21(24):5827-5836. doi: 10.26355/eurrev\_201712\_14031.

89. Colica C, **Di Renzo L**, Aiello V, De Lorenzo A, Abenavoli L. Rosmarinic Acid as Potential Anti-Inflammatory Agent. *Rev Recent Clin Trials*. 2018;13(4):240-242. doi: 10.2174/157488711304180911095818. PubMed PMID: 30328397.
90. **Di Renzo L**, Cioccoloni G, Falco S, Abenavoli L, Moia A, Sinibaldi Salimei P, De Lorenzo A. Influence of FTO rs9939609 and Mediterranean diet on body composition and weight loss: a randomized clinical trial. *J Transl Med*. 2018 Nov 12;16(1):308. doi: 10.1186/s12967-018-1680-7. PubMed PMID: 30419927; PubMed Central PMCID: PMC6233363.
91. De Lorenzo A, Romano L, **Di Renzo L**, Gualtieri P, Salimei C, Carrano E, Rampello T, de Miranda RC. Triponderal mass index rather than body mass index: An indicator of high adiposity in Italian children and adolescents. *Nutrition*. 2019 Apr;60:41-47. doi: 10.1016/j.nut.2018.09.007. Epub 2018 Sep 19. PubMed PMID:30529185.
92. Costa de Miranda R, **Di Renzo L**, Cupertino V, Romano L, De Lorenzo A, Salimei C, De Lorenzo A. Secular trend of childhood nutritional status in Calabria (Italy) and the United States: the spread of obesity. *Nutr Res*. 2019 Feb; 62:23-31. doi: 10.1016/j.nutres.2018.10.008. Epub 2018 Nov 1. PubMed PMID: 30803504.
93. Avolio E, Gualtieri P, Romano L, Pecorella C, Ferraro S, **Di Renzo L**, De Lorenzo A. Obesity and body composition in man and woman: associated diseases and new role of gut microbiota. *Curr Med Chem*. 2019 Mar 25. doi: 10.2174/0929867326666190326113607. [Epub ahead of print] PubMed PMID: 30914014.
94. Alwardat N, **Di Renzo L**, Alwardat M, Romano L, De Santis GL, Gualtieri P, Carrano E, Nocerino P, De Lorenzo A. The effect of lipedema on health-related quality of life and psychological status: a narrative review of the literature. *Eat Weight Disord*. 2019 May 6. doi: 10.1007/s40519-019-00703-x. [Epub ahead of print] Review. PubMed PMID: 31062201.
95. De Lorenzo A, Gratteri S, Gualtieri P, Cammarano A, Bertucci P, **Di Renzo L**. Why primary obesity is a disease? *J Transl Med*. 2019 May 22;17(1):169. doi: 10.1186/s12967-019-1919-y. Review. PubMed PMID: 31118060; PubMed Central PMCID: PMC6530037.
96. Abenavoli L, Boccuto L, Federico A, Dallio M, Loguercio C, **Di Renzo L**, De Lorenzo A. Diet and Non-Alcoholic Fatty Liver Disease: The Mediterranean Way. *Int J Environ Res Public Health*. 2019 Aug 21;16(17). pii: E3011. doi: 10.3390/ijerph16173011. Review.
97. Romano L, Marchetti M, Gualtieri P, **Di Renzo L**, Belcastro M, De Santis GL, Perrone MA, De Lorenzo A. Effects of a Personalized VLCKD on Body Composition and Resting Energy Expenditure in the Reversal of Diabetes to Prevent Complications. *Nutrients*. 2019 Jul 4;11(7). pii: E1526. doi: 10.3390/nu11071526.
98. **Di Renzo L**, Cioccoloni G, Bernardini S, Abenavoli L, Aiello V, Marchetti M, Cammarano A, Alipourfard I, Ceravolo I, Gratteri S. A Hazelnut-Enriched Diet Modulates Oxidative Stress and Inflammation Gene Expression without Weight Gain. *Oxid Med Cell Longev*. 2019 Jul 4;2019:4683723. doi: 10.1155/2019/4683723. eCollection 2019.
99. Perrone MA, Gualtieri P, Gratteri S, Ali W, Sergi D, Muscoli S, Cammarano A, Bernardini S, **Di Renzo L**, Romeo F. Effects of postprandial hydroxytyrosol and derivatives on oxidation of LDL, cardiometabolic state and gene expression: a nutrigenomic approach for cardiovascular prevention. *J Cardiovasc Med (Hagerstown)*. 2019 Jul;20(7):419-426. doi: 10.2459/JCM.0000000000000816. PMID: 31593559.
100. **Di Renzo L**, Gualtieri P, Pivari F, et al. Eating habits and lifestyle changes during COVID-19 lockdown: an Italian survey. *J Transl Med*. 2020;18(1):229. Published 2020 Jun 8. doi:10.1186/s12967-020-02399-5
101. **Di Renzo L**, Merra G, Esposito E, De Lorenzo A. Are probiotics effective adjuvant therapeutic choice in patients with COVID-19?. *Eur Rev Med Pharmacol Sci*. 2020;24(8):4062-4063. doi:10.26355/eurrev\_202004\_20977
102. De Lorenzo A, Tarsitano MG, Falcone C, **Di Renzo L**, Romano L, Macheda S, Ferrarelli A, Labate D, Tescione M, Bilotta F, Gualtieri P. Fat mass affects nutritional status of ICU COVID-19 patients. *J Transl Med*. 2020 Aug 3;18(1):299. doi: 10.1186/s12967-020-02464-z. PMID: 32746930; PMCID: PMC7397427.



103. **Di Renzo L**, Gualtieri P, Cinelli G, et al. Psychological Aspects and Eating Habits during COVID-19 Home Confinement: Results of EHLC-COVID-19 Italian Online Survey. *Nutrients*. 2020;12(7):2152. Published 2020 Jul 19. doi:10.3390/nu12072152
104. Romano L, Bilotta F, Dauri M, Macheda S, Pujia A, De Santis GL, Tarsitano MG, Merra G, **Di Renzo L**, Esposito E, De Lorenzo A. Short Report - Medical nutrition therapy for critically ill patients with COVID-19. *Eur Rev Med Pharmacol Sci*. 2020 Apr;24(7):4035-4039. doi: 10.26355/eurrev\_202004\_20874. PMID: 32329880.
105. **Di Renzo L**, Gualtieri P, Pivari F, Soldati L, Attinà A, Leggeri C, Cinelli G, Tarsitano MG, Caparello G, Carrano E, Merra G, Pujia AM, Danieli R, De Lorenzo A. COVID-19: Is there a role for immunonutrition in obese patient? *J Transl Med*. 2020 Nov 7;18(1):415. doi: 10.1186/s12967-020-02594-4. PMID: 33160363; PMCID: PMC7647877.
106. **Di Renzo L**, Gualtieri P, Cinelli G, Bigioni G, Soldati L, Attinà A, Bianco FF, Caparello G, Camodeca V, Carrano E, Ferraro S, Giannattasio S, Leggeri C, Rampello T, Lo Presti L, Tarsitano MG, De Lorenzo A. Psychological Aspects and Eating Habits during COVID-19 Home Confinement: Results of EHLC-COVID-19 Italian Online Survey. *Nutrients*. 2020 Jul 19;12(7):2152. doi: 10.3390/nu12072152. PMID: 32707724; PMCID: PMC7401000.
107. Marzullo P, **Di Renzo L**, Pugliese G, De Siena M, Barrea L, Muscogiuri G, Colao A, Savastano S; Obesity Programs of nutrition, Education, Research and Assessment (OPERA) Group. From obesity through gut microbiota to cardiovascular diseases: a dangerous journey. *Int J Obes Suppl*. 2020 Jul;10(1):35-49. doi: 10.1038/s41367-020-0017-1. Epub 2020 Jul 20. PMID: 32714511; PMCID: PMC7371682.
108. Merra G, Capacci A, **Di Renzo L**, De Lorenzo A. Nutrition between consumer and business. *Eur Rev Med Pharmacol Sci*. 2020 Feb;24(3):989-990. doi: 10.26355/eurrev\_202002\_20148. PMID: 32096211.
109. Cinelli G, Criscuolo M, Bifone C, Chianello I, Castiglioni MC, De Lorenzo A, **Di Renzo L**, Tozzi AE, Vicari S, Zanna V. Food Addiction in a Group of Italian Adolescents Diagnosed for Eating Disorder. *Nutrients*. 2020 May 23;12(5):1524. doi: 10.3390/nu12051524. PMID: 32456233; PMCID: PMC7285060.
110. Gualtieri P, Tarsitano MG, Merra G, Avolio E, **Di Renzo L**. The importance of a correct diagnosis of obesity. *Eur Rev Med Pharmacol Sci*. 2020 May;24(10):5199-5200. doi: 10.26355/eurrev\_202005\_21300. PMID: 32495851.
111. **Di Renzo L**, Gualtieri P, Alwardat N, De Santis G, Zomparelli S, Romano L, Marchetti M, Michelin S, Capacci A, Piccioni A, Costacurta M, Tarsitano MG, Franceschi F, Merra G. The role of IL-6 gene polymorphisms in the risk of lipedema. *Eur Rev Med Pharmacol Sci*. 2020 Mar;24(6):3236-3244. doi: 10.26355/eurrev\_202003\_20690. PMID: 32271442.
112. Merra G, Gualtieri P, Cioccoloni G, Falco S, Bigioni G, Tarsitano MG, Capacci A, Piccioni A, Costacurta M, Franceschi F, **Di Renzo L**. FTO rs9939609 influence on adipose tissue localization in the Italian population. *Eur Rev Med Pharmacol Sci*. 2020 Mar;24(6):3223-3235. doi: 10.26355/eurrev\_202003\_20689. PMID: 32271440.
113. **Di Renzo L**, Gualtieri P, Alwardat N, De Santis G, Zomparelli S, Romano L, Marchetti M, Michelin S, Capacci A, Piccioni A, Costacurta M, Tarsitano MG, Franceschi F, Merra G. The role of IL-6 gene polymorphisms in the risk of lipedema. *Eur Rev Med Pharmacol Sci*. 2020 Mar;24(6):3236-3244. doi: 10.26355/eurrev\_202003\_20690. PMID: 32271442.
114. **Di Renzo L**, Gualtieri P, Romano L, Marrone G, Noce A, Pujia A, Perrone MA, Aiello V, Colica C, De Lorenzo A. Role of Personalized Nutrition in Chronic-Degenerative Diseases. *Nutrients*. 2019 Jul 24;11(8):1707. doi: 10.3390/nu11081707. PMID: 31344895; PMCID: PMC6723746.
115. **Di Renzo L**, Gualtieri P, De Lorenzo A, Capacci A, Merra G. The effective cost of healthy diet. *Eur Rev Med Pharmacol Sci*. 2020 Jan;24(2):479-480. doi: 10.26355/eurrev\_202001\_20018. PMID: 32016947.
116. Costacurta M, **Di Renzo L**, Pujia A, Tomietto M, Gualtieri P, Docimo R. Dental agenesis and evaluation of body composition through bioelectrical impedance analysis. Observational study on a sample of paediatric subjects. *Eur J Paediatr Dent*. 2020;21(2):143-147
117. Barrea L, Caprio M, Tuccinardi D, Moriconi E, **Di Renzo L**, Muscogiuri G, Colao A, Savastano S; Obesity Programs of nutrition, Education, Research and Assessment (OPERA) group. Could ketogenic diet

- "starve" cancer? Emerging evidence. *Crit Rev Food Sci Nutr*. 2020 Dec 4:1-22. doi: 10.1080/10408398.2020.1847030. Epub ahead of print. PMID: 33274644.
118. **Di Renzo L**, Cinelli G, Dri M, Gualtieri P, Attinà A, Leggeri C, Cennamo G, Esposito E, Pujia A, Chiricolo G, Salimei C, De Lorenzo A. Mediterranean Personalized Diet Combined with Physical Activity Therapy for the Prevention of Cardiovascular Diseases in Italian Women. *Nutrients*. 2020 Nov 11;12(11):3456. doi: 10.3390/nu12113456. PMID: 33187188; PMCID: PMC7697155.
  119. **Di Renzo L**, Cinelli G, Romano L, Zomparelli S, Lou De Santis G, Nocerino P, Bigioni G, Arsini L, Cennamo G, Pujia A, Chiricolo G, De Lorenzo A. Potential Effects of a Modified Mediterranean Diet on Body Composition in Lipoedema. *Nutrients*. 2021 Jan 25;13(2):358. doi: 10.3390/nu13020358. PMID: 33504026.
  120. Attinà A, Leggeri C, Paroni R, Pivari F, Dei Cas M, Mingione A, Dri M, Marchetti M, **Di Renzo L**. Fasting: How to Guide. *Nutrients*. 2021 May 7;13(5):1570. doi: 10.3390/nu13051570. PMID: 34067055; PMCID: PMC8151159.
  121. **Di Renzo L**, Gualtieri P, De Lorenzo A. Diet, Nutrition and Chronic Degenerative Diseases. *Nutrients*. 2021 Apr 20;13(4):1372. doi: 10.3390/nu13041372. PMID: 33923865; PMCID: PMC8072879.
  122. Marzullo P, Bettini S, Menafrà D, Aprano S, Muscogiuri G, Barrea L, Savastano S, Colao A; Obesity Programs of nutrition, Education, Research and Assessment (OPERA) group (Laura Di Renzo). Spot-light on microbiota in obesity and cancer. *Int J Obes (Lond)*. 2021 Nov;45(11):2291-2299. doi: 10.1038/s41366-021-00866-7. Epub 2021 Aug 6. PMID: 34363002.
  123. Docimo R, Costacurta M, Gualtieri P, Pujia A, Leggeri C, Attinà A, Cinelli G, Giannattasio S, Rampello T, **Di Renzo L**. Cariogenic Risk and COVID-19 Lockdown in a Paediatric Population. *Int J Environ Res Public Health*. 2021 Jul 15;18(14):7558. doi: 10.3390/ijerph18147558. PMID: 34300008; PMCID: PMC8303421.
  124. Caracciolo M, Correale P, Mangano C, Foti G, Falcone C, Macheda S, Cuzzola M, Conte M, Falzea AC, Iuliano E, Morabito A, Caraglia M, Polimeni N, Ferrarelli A, Labate D, Tescione M, **Di Renzo L**, Chiricolo G, Romano L, De Lorenzo A. Efficacy and Effect of Inhaled Adenosine Treatment in Hospitalized COVID-19 Patients. *Front Immunol*. 2021 Mar 18;12:613070. doi: 10.3389/fimmu.2021.613070. PMID: 33815368; PMCID: PMC8012541.
  125. Pivari F, Mingione A, Piazzini G, Ceccarani C, Ottaviano E, Brasacchio C, Dei Cas M, Vischi M, Cozzolino MG, Fogagnolo P, Riva A, Petrangolini G, Barrea L, **Di Renzo L**, Borghi E, Signorelli P, Paroni R, Soldati L. Curcumin Supplementation (Meriva®) Modulates Inflammation, Lipid Peroxidation and Gut Microbiota Composition in Chronic Kidney Disease. *Nutrients*. 2022 Jan 5;14(1):231. doi: 10.3390/nu14010231. PMID: 35011106; PMCID: PMC8747135.
  126. Al-Wardat M, Alwardat N, Lou De Santis G, Zomparelli S, Gualtieri P, Bigioni G, Romano L, **Di Renzo L**. The association between serum vitamin D and mood disorders in a cohort of lipoedema patients. *Horm Mol Biol Clin Investig*. 2021 Jul 29;42(4):351-355. doi: 10.1515/hmbci-2021-0027. PMID: 34323062.
  127. De Lorenzo A, Cennamo G, Marchetti M, Gualtieri P, Dri M, Carrano E, Pivari F, Esposito E, Picchioni O, Moia A, **Di Renzo L**. Social inequalities and nutritional disparities: the link between obesity and COVID-19. *Eur Rev Med Pharmacol Sci*. 2022 Jan;26(1):320-339. doi: 10.26355/eurrev\_202201\_27784. PMID: 35049011.
  128. Giannattasio S, Dri M, Merra G, Caparello G, Rampello T, **Di Renzo L**. Effects of Fatty Acids on Hematological Neoplasms: A Mini Review. *Nutr Cancer*. 2021 Aug 6:1-11. doi: 10.1080/01635581.2021.1960389. Epub ahead of print. PMID: 34355630.
  129. Lombardo, M.; Aulisa, G.; Marcon, D.; Rizzo, G.; Tarsisano, M.G.; **Di Renzo, L.**; Federici, M.; Caprio, M.; De Lorenzo, A. Association of Urinary and Plasma Levels of Trimethylamine N-Oxide (TMAO) with Foods. *Nutrients* 2021, 13, 1426. <https://doi.org/10.3390/nu13051426>.
  130. **Di Renzo L**, Franza L, Monsignore D, Esposito E, Rio P, Gasbarrini A, Gambassi G, Cianci R, De Lorenzo A. Vaccines, Microbiota and Immunonutrition: Food for Thought. *Vaccines (Basel)*. 2022 Feb 15;10(2):294. doi: 10.3390/vaccines10020294. PMID: 35214752; PMCID: PMC8874781.

131. Merra G, Capacci A, Cenname G, Esposito E, Dri M, **Di Renzo L**, Marchetti M. The "Microbiome": A Protagonist in COVID-19 Era. *Microorganisms*. 2022 Jan 26;10(2):296. doi: 10.3390/microorganisms10020296. PMID: 35208751; PMCID: PMC8879283.
132. Barrea L, Caprio M, Tuccinardi D, Moriconi E, **Di Renzo L**, Muscogiuri G, Colao A, Savastano S; Obesity Programs of nutrition, Education, Research and Assessment (OPERA) group. Could ketogenic diet "starve" cancer? Emerging evidence. *Crit Rev Food Sci Nutr*. 2022;62(7):1800-1821. doi: 10.1080/10408398.2020.1847030. Epub 2020 Dec 4. PMID: 33274644.
133. **Di Renzo L**, Franza L, Monsignore D, Esposito E, Rio P, Gasbarrini A, Gambassi G, Cianci R, De Lorenzo A. Vaccines, Microbiota and Immunonutrition: Food for Thought. *Vaccines (Basel)*. 2022 Feb 15;10(2):294. doi: 10.3390/vaccines10020294. PMID: 35214752; PMCID: PMC8874781.
134. Noce A, Marchetti M, Marrone G, **Di Renzo L**, Di Lauro M, Di Daniele F, Albanese M, Di Daniele N, De Lorenzo A. Link between gut microbiota dysbiosis and chronic kidney disease. *Eur Rev Med Pharmacol Sci*. 2022 Mar;26(6):2057-2074. doi: 10.26355/eurrev\_202203\_28354. PMID: 35363356.
135. **Di Renzo L**, De Lorenzo A, Fontanari M, Gualtieri P, Monsignore D, Schifano G, Alfano V, Marchetti M; SIERR. Immunonutrients involved in the regulation of the inflammatory and oxidative processes: implication for gamete competence. *J Assist Reprod Genet*. 2022 Apr;39(4):817-846. doi: 10.1007/s10815-022-02472-6. Epub 2022 Mar 30. PMID: 35353297; PMCID: PMC9050992.
136. Muscogiuri G, Poggiogalle E, Barrea L, Tarsitano MG, Garifalos F, Liccardi A, Pugliese G, Savastano S, Colao A; Obesity Programs of nutrition, Education, Research and Assessment (OPERA) group. Collaborators: Annamaria Colao, Carlo Alviggi, Sara Aprano, Rocco Barazzoni, Luigi Barrea, Francesco Beguinot, Annamaria Belfiore, Giuseppe Bellastella, Silvia Bettini, Giuseppe Bifulco, Maurizio Bifulco, Caterina Brasacchio, Filomena Bottiglieri, Luca Busetto, Brunella Capaldo, Massimiliano Caprio, Felipe Casanueva, Luigi Di Luigi, Andrea Di Nisio, **Laura Di Renzo**, Carolina Di Somma, Lorenzo M Donini, Katherine Esposito, Massimo Federici, Francesco Garifalos, Dario Giugliano, Lucio Gnessi, Gianluca G Cappellari, Brunella Guida, Maria A Guzzardi, Daniela Laudisio, Andrea Lenzi, Alessia Liccardi, Carla Lubrano, Paolo E Macchia, Silvia Magno, Paolo Marzullo, Davide Menafra, Silvia Migliaccio, Fabrizio Muratori, Giovanna Muscogiuri, Raffaele Napoli, Caterina Pelosini, Francesca Pivari, Rosario Pivonello, Eleonora Poggiogalle, Gabriella Pugliese, Gabriele Riccardi, Alberto Ritieni, Fiammetta Romano, Domenico Salvatore, Alessandro Sanduzzi, Ferruccio Santini, Silvia Savastano, Paolo Sbraccia, Giovanni S L Soldati, Giovanni Spera, Maria G Tarsitano, Dario Tuccinardi, Olga Vaccaro, Mary Venneri, Samir Sukkar, Roberto Vettor Exposure to artificial light at night: A common link for obesity and cancer? *Eur J Cancer*. 2022 Sep;173:263-275. doi: 10.1016/j.ejca.2022.06.007. Epub 2022 Aug 5. PMID: 35940056.
137. Merra G, Dominici F, Gualtieri P, Capacci A, Cenname G, Esposito E, Dri M, **Di Renzo L**, Marchetti M. Role of vitamin K2 in bone-vascular crosstalk. *Int J Vitam Nutr Res*. 2022 Aug 30. doi: 10.1024/0300-9831/a000761. Epub ahead of print. PMID: 36039403.
138. **Di Renzo L**, Marchetti M, Rizzo G, Gualtieri P, Monsignore D, Dominici F, Mappa I, Cavicchioni O, Aguzzoli L, De Lorenzo A, On Behalf Of The MeDAP Group. Adherence to Mediterranean Diet and Its Association with Maternal and Newborn Outcomes. *Int J Environ Res Public Health*. 2022 Jul 12;19(14):8497. doi: 10.3390/ijerph19148497. PMID: 35886346; PMCID: PMC9321919.
139. Merra G, Capacci A, Cenname G, Esposito E, Dri M, **Di Renzo L**, Marchetti M. The "Microbiome": A Protagonist in COVID-19 Era. *Microorganisms*. 2022 Jan 26;10(2):296. doi: 10.3390/microorganisms10020296. PMID: 35208751; PMCID: PMC8879283.
140. **Di Renzo L**, Franza L, Monsignore D, Esposito E, Rio P, Gasbarrini A, Gambassi G, Cianci R, De Lorenzo A. Vaccines, Microbiota and Immunonutrition: Food for Thought. *Vaccines (Basel)*. 2022 Feb 15;10(2):294. doi: 10.3390/vaccines10020294. PMID: 35214752; PMCID: PMC8874781.
141. Giannattasio S, Dri M, Merra G, Caparello G, Rampello T, **Di Renzo L**. Effects of Fatty Acids on Hematological Neoplasms: A Mini Review. *Nutr Cancer*. 2022;74(5):1538-1548. doi: 10.1080/01635581.2021.1960389. Epub 2021 Aug 6. PMID: 34355630.
142. Al-Wardat M, Clarke C, Alwardat N, Kassab M, Salimei C, Gualtieri P, Marchetti M, Best T, **Di Renzo L**. The Difficulties in Emotional Regulation among a Cohort of Females with Lipedema. *Int J Environ Res*

- Public Health. 2022 Oct 21;19(20):13679. doi: 10.3390/ijerph192013679. PMID: 36294260; PMCID: PMC9602978.
143. Hrelia S, **Di Renzo L**, Bavaresco L, Bernardi E, Malaguti M, Giacosa A. Moderate Wine Consumption and Health: A Narrative Review. *Nutrients*. 2022 Dec 30;15(1):175. doi: 10.3390/nu15010175. PMID: 36615832; PMCID: PMC9824172.
  144. Gualtieri P, Al-Wadart M, De Santis GL, Alwadart N, Della Morte D, Clarke C, Best T, Salimei C, Bigioni G, Cianci R, De Lorenzo A, **Di Renzo L**. The role of MTHFR polymorphisms in the risk of lipedema. *Eur Rev Med Pharmacol Sci*. 2023 Feb;27(4):1625-1632. doi: 10.26355/eurrev\_202302\_31407. PMID: 36876707.
  145. Gualtieri P, Marchetti M, Frank G, Smeriglio A, Trombetta D, Colica C, Cianci R, De Lorenzo A, **Di Renzo L**. Antioxidant-Enriched Diet on Oxidative Stress and Inflammation Gene Expression: A Randomized Controlled Trial. *Genes (Basel)*. 2023 Jan 13;14(1):206. doi: 10.3390/genes14010206. PMID: 36672947; PMCID: PMC9859217.
  146. De Lorenzo A, Pellegrini M, Gualtieri P, Itani L, El Ghoch M, **Di Renzo L**. The Risk of Sarcopenia among Adults with Normal-Weight Obesity in a Nutritional Management Setting. *Nutrients*. 2022 Dec 13;14(24):5295. doi: 10.3390/nu14245295. PMID: 36558454; PMCID: PMC9786616.
  147. **Di Renzo L**, Gualtieri P, Frank G, De Lorenzo A. Nutrition for Prevention and Control of Chronic Degenerative Diseases and COVID-19. *Nutrients*. 2023 May 10;15(10):2253. doi: 10.3390/nu15102253. PMID: 37242138; PMCID: PMC10224017.
  148. **Di Renzo L**, Smeriglio A, Ingegneri M, Gualtieri P, Trombetta D. The Pharmaceutical Formulation Plays a Pivotal Role in Hydroxytyrosol Pharmacokinetics. *Pharmaceutics*. 2023 Feb 23;15(3):743. doi: 10.3390/pharmaceutics15030743. PMID: 36986604; PMCID: PMC10059125.
  149. Gualtieri P, Marchetti M, Frank G, Smeriglio A, Trombetta D, Colica C, Cianci R, De Lorenzo A, **Di Renzo L**. Antioxidant-Enriched Diet on Oxidative Stress and Inflammation Gene Expression: A Randomized Controlled Trial. *Genes (Basel)*. 2023 Jan 13;14(1):206. doi: 10.3390/genes14010206. PMID: 36672947; PMCID: PMC9859217.
  150. Gualtieri P, Trombetta D, Smeriglio A, Frank G, Alibrandi A, Leggeri G, Marchetti M, Zingale I, Fanelli S, Stocchi A, **Di Renzo L**. Effectiveness of Nutritional Supplements for Attenuating the Side Effects of SARS-CoV-2 Vaccines. *Nutrients*. 2023 Apr 7;15(8):1807. doi: 10.3390/nu15081807. PMID: 37111026; PMCID: PMC10141698.
  151. **Di Renzo L**, Gualtieri P, Rio P, Massaro MG, Caldarelli M, Frank G, Della-Morte D, Gasbarrini A, Gambassi G, De Lorenzo A, Franza L, Cianci R. Role of nutrients in modulating microbiota and immunity in COVID-19 disease. *Eur Rev Med Pharmacol Sci*. 2023 Jun;27(12):5927-5945. doi: 10.26355/eurrev\_202306\_32832. PMID: 37401330.
  152. Tassinari V, Smeriglio A, Stillitano V, Trombetta D, Zilli R, Tassinari R, Maranghi F, Frank G, Marcoccia D, **Di Renzo L**. Endometriosis Treatment: Role of Natural Polyphenols as Anti-Inflammatory Agents. *Nutrients*. 2023 Jun 30;15(13):2967. doi: 10.3390/nu15132967. PMID: 37447296; PMCID: PMC10343861.
  153. Gualtieri, P.; Cianci, R.; Frank, G.; Pizzocaro, E.; De Santis, G.L.; Giannattasio, S.; Merra, Butturini, G.; De Lorenzo, A.; **Di Renzo, L**. Pancreatic Ductal Adenocarcinoma and Nutrition: Exploring the Role of Diet and Health. *Nutrients* 2023, 15, 4465. <https://doi.org/10.3390/nu15204465>
  154. Pradhan A, Bhandari M, Vishwakarma P, Gualtieri P, **Di Renzo L**, Iellamo F, Sethi R, Perrone MA. Dyslipidemia and heart failure: current evidence and perspectives of use of statins. *Eur Rev Med Pharmacol Sci*. 2024 Apr;28(7):2860-2877. doi: 10.26355/eurrev\_202404\_35929. PMID: 38639527.
  155. Merra G, Dominici F, Gualtieri P, Capacci A, Cennamo G, Esposito E, Dri M, **Di Renzo L**, Marchetti M. Role of vitamin K2 in bone-vascular crosstalk. *Int J Vitam Nutr Res*. 2024 Apr;94(2):143-152. doi: 10.1024/0300-9831/a000761. Epub 2022 Aug 30. PMID: 36039403.
  156. Pala B, Pennazzi L, Nardoiani G, Fogacci F, Cicero AFG, **Di Renzo L**, Barbato E, Tocci G. Gut Microbiota Dysbiosis and Sleep Disorders: Culprit in Cardiovascular Diseases. *J Clin Med*. 2024 May 31;13(11):3254. doi: 10.3390/jcm13113254. PMID: 38892965; PMCID: PMC11173264.

157. Gualtieri P, Frank G, Cianci R, Smeriglio A, Alibrandi A, **Di Renzo L**, Trombetta D. Mediterranean Diet Influence on SARS-CoV-2 Vaccine Adverse Reaction: Friend or Foe? *Nutrients*. 2024 Jun 12;16(12):1846. doi: 10.3390/nu16121846. PMID: 38931201; PMCID: PMC11206327.
158. De Lorenzo A, Itani L, El Ghoch M, Frank G, De Santis GL, Gualtieri P, **Di Renzo L**. The Association between Sarcopenic Obesity and DXA-Derived Visceral Adipose Tissue (VAT) in Adults. *Nutrients*. 2024 May 27;16(11):1645. doi: 10.3390/nu16111645. PMID: 38892578; PMCID: PMC11174391.
159. De Lorenzo A, Pellegrini M, Gualtieri P, Itani L, Frank G, El Ghoch M, **Di Renzo L**. The Association between Obesity and Reduced Weight-Adjusted Bone Mineral Content in Older Adults: A New Paradigm That Contrasts with the Obesity Paradox. *Nutrients*. 2024 Jan 25;16(3):352. doi: 10.3390/nu16030352. PMID: 38337637; PMCID: PMC10857150.