

## Curriculum vitae

### Daniele Del Rio

Born in Reggio Emilia, Italy 22-06-1976

C.F.: DLRDNL76H22H223Y

Contact: Medical Building A, Complesso Biotecnologico Integrato, University of Parma, Italy

Tel +39 0521 903830

Fax +39 0521 903832

e-mail: [daniele.delrio@unipr.it](mailto:daniele.delrio@unipr.it)

- Current main positions:** Associate Professor of Human Nutrition, University of Parma.  
Scientific Director, The Need for Nutrition Education/Innovation Programme (NNEdPro), Global Centre for Nutrition and Health, St John's Innovation Centre, Cambridge, UK ([www.nnedpro.org.uk/dan-del-rio/4591962512](https://www.nnedpro.org.uk/dan-del-rio/4591962512)).  
Deputy-Director, The Microbiome Research Hub, University of Parma (<https://www.microbiomeresearchhub.com/daniele-del-rio>).  
Council Member, The School for Advanced Studies on Food and Nutrition, University of Parma.  
Editor in Chief, International Journal of Food Sciences and Nutrition (<http://www.tandfonline.com/toc/ijf20/current>).  
Member of the Board of Directors, MADEGUS s.r.l.
- Current hon. positions:** Founding Fellow and Trustee – EUFoDiN - European Foundation for Dietetics and Nutrition  
Member of the Council of Directors, The True Health Initiative (<https://www.truehealthinitiative.org/councils/daniele-del-rio/>)
- Prizes & Awards:** Commendatore dell'Ordine al Merito della Repubblica Italiana (Commander of the Order of Merit of the Italian Republic).  
2016 - Italian Junior Chamber International (JCI) The Outstanding Young Person (TOYP) Award for Research.  
2015 - Thomson-Reuters Highly Cited Researcher.  
2014 - Thomson-Reuters Highly Cited Researcher.
- Relevant career events:**
- |                    |  |
|--------------------|--|
| 2000               | MSc in Food Science and Technology at the University of Parma.   |
| 2002-2003          | Visiting Scientist at the Plant Products and Human Nutrition Group directed by Prof. Alan Crozier, Division of Biochemistry and Molecular Biology, Institute of Biomedical and Life Sciences at the University of Glasgow. |
| 2003 – 2005        | Research Assistant (BIO/09 – Physiology) at the Human Nutrition Unit of the Department of Public Health of the University of Parma.  |
| May 2004           | PhD in Food Science and Human Nutrition.   |
| November 2005 – on | Assistant Professor / Lecturer in Human Nutrition (BIO/09 - Physiology) at the University of Parma.  |

January 2011 – on	Coordinator of the Laboratory of Phytochemicals in Physiology, within the Human Nutrition Unit at the Department of Food Science, University of Parma.
November 2012	Co-founder of the LS9 - Bioactives and Health Interlaboratory group within the Department of Food Science at the University of Parma.
December 2013 - on	Senior Collaborator, The Need for Nutrition Education/Innovation Programme (NNEdPro), Cambridge, UK.
July 2012 - Sept 2014	Assistant Professor at the Department of Food Science, University of Parma
July 2014 – Sept 2017	Honorary Visiting Scholar, Volunteer Studies and Clinical Services, British Medical Research Council Human Nutrition Research Unit, Elsie Widdowson Laboratories, Cambridge, UK.
July - December 2014	Visiting Scholar, The Wolfson College - University of Cambridge.
Jan 2015 – Dec 2017	Visiting Fellow, The Wolfson College - University of Cambridge.

### Teaching activities:

2006 – 2016	Human Nutrition (@ BSc Food Science and Technology);
2009 – 2011	Human Nutrition (@ BSc Preventive Health Professions).
2013 - 2014	Fundamentals of Human Nutrition (@ BSc Sports Science).
2014 - on	Human Nutrition and Metabolism (@ MSc Biology)
2016 - on	Applied Human Nutrition (@MSc Food Science and Technology)
2005 - on	Member of the PhD School Council.

### Research grants:

From 2001, I have been co-investigator or principal investigator of several research projects based on public (EU, National Ministry of Research, Bank Foundations) and private (Ferrero, Barilla, Kemin, Biosphere, Kamut, Biofortis, Sofar, National Processed Raspberry Council USA) for a total research money equal to approximately 2.5 million Euros.

#### *Among the most recent:*

2011 - 2015	Research project funded by AGER (Bank Foundations): “Valorisation of winemaking by-products and waste by application of innovative technologies for extraction of natural products of high added value”.
2013 - 2015	Research project funded by the National Processed Raspberry Council (U.S.A.): The protective effects of raspberry polyphenol metabolites on the development of diabetes and cardiovascular diseases – a study on their mechanisms of action (Principal investigator).
2014 - 2016	Research project funded by the National Processed Raspberry Council (U.S.A.): The protective effects of raspberry polyphenol metabolites part II: neurodegeneration, reverse cholesterol transport and endothelial dysfunction and haemostasis (Principal investigator).
2015 - 2017	Research project funded by the European Food Safety Authority (EFSA): GP/EFSA/NUTRI/2014/01 - Scientific substantiation of health

claims made on food: collection, collation and critical analysis of information in relation to claimed effects, outcome variables and methods of measurement.

- 2016 - 2020 Strength2Food – Strengthening European Food Chain Sustainability by Quality and Procurement Policy (H2020 Call “Sustainable food chains through public policies: the cases of the EU quality policy and of public sector food procurement” SFS-20-2015).
- 2017 - 2019 ERA HDHL - Biomarkers for Nutrition and Health "VALID - Valerolactones and healthy Ageing: Linking Dietary factors, nutrient biomarkers, metabolic status and inflammation with cognition in older adults" (<http://www.jpi-valid.com>).
- 2018 – 2019 The Cranberry Institute Funding. Project Title: “Investigating biomarkers of cranberry proanthocyanidin intake: an exploratory study employing secondary analysis of plasma samples collected in prior cranberry and health studies”.

#### **Additional institutional appointments:**

Member of the Management Committee of the COST Action FA1403 - Interindividual variation in response to consumption of plant food bioactives and determinants involved (POSITIVE).

Chair of the Food Pillar, Center for the Studies of European and International Affairs (<https://www.cseiaparma.it>), University of Parma.

Commissioned Reviews Editor, The Journal of Human Nutrition and Dietetics (Wiley) (2015 - 2016)

Member of the Editorial Board of Molecular Nutrition & Food Research (Wiley).

Member of the Editorial Board of Nutrition Metabolism & Cardiovascular Diseases (Elsevier).

Member of the Editorial Board of NFS Journal (Elsevier).

Past Regional secretary of the Italian Human Nutrition Society (SINU).

Member of the Royal Society of Chemistry (RSC)

Member of the American Society for Nutrition (ASN).

Member of the Italian Physiological Society (SIF).

Member of the “European Nutrition Leadership Programme” (ENLP) Alumni Association.

Expert member in PREVE, EU Support Action (7thFP) identifying ICT research directions for disease prevention.

Member of the Phytochemical Society of Europe.

Member of the Parma University and Parma University Hospital Ethics Committee (July 2013 - June 2014).

Member of the LIONS CLUB (district 108b).

## Invited lectures at International conferences:

5th Probiotics, Prebiotics & New Foods Meeting, Rome, 13-15 September 2009. Title of the presentation: "Polyphenol catabolism in human: the molecules that really work".

2nd International Conference on Food-omics, Cesena, 22-24 June 2011. Title of the presentation: "Phenolic compounds as functional ingredients: state of the art and future perspectives".

6th Probiotics, Prebiotics & New Foods Meeting, Rome, 11-13 September 2011. Title of the presentation: "Dietary phenolics in human health and disease: from molecular mechanisms to preventive and therapeutic opportunities".

5th International Conference on Polyphenols and Health (ICPH), Sitges, (Barcelona), Spain, 17-20 October 2011. Title of the presentation: "Polyphenols in the prevention of chronic diseases and related complications: in vitro studies with the right molecules".

26th International Conference on Polyphenols, Florence, Italy, 22-26 July 2012. Title of the presentation: "Dietary phenolics in human health: from molecular mechanisms to preventive opportunities".

1st Phenotypic Flexibility Symposium. February 4-6, 2013, El Escorial (Madrid), Spain. Title of the presentation: "Dietary (poly)phenols and human health and disease prevention: new perspectives for an old paradigm".

6th International Conference on Polyphenols and Health (ICPH), Buenos Aires, Argentina, 16-19 October 2013. Member of the Scientific Advisory Board. Title of the presentation: "New insights in the bioactivity of polyphenols: focus on colon-derived microbial metabolites".

Phytochemical Society of Europe Meeting on "Natural Products in Cancer Prevention and Therapy", Naples, Italy, 25-28 June 2013. Title of the presentation: "Dietary procyanidins and gut microbiota - a virtuous backscratching against colon cancer?".

CoCoTea 2013 - Second international congress on Cocoa, Coffee and Tea; Naples (Italy) 09-11 October 2013. Title of the presentation: "Tea catechin bioavailability and bioactivity: a critical appraisal"

7th International Immunonutrition Workshop, "Eating for Preventing", 1st to the 3rd of May, 2014, Carovigno (Brindisi, Italy). Title of the presentation: "Dietary (poly)phenols: bioavailability, metabolism and immune related effects".

8th World Congress on Polyphenols Applications, June 5-6, 2014 - Lisbon, Portugal. Title of the presentation: "Human/microbial metabolites of dietary polyphenols: new actions in the cardiovascular context".

Phytochemical Society of Europe Meeting – Trends in Natural Products Research, April 27-30 2015, Murcia, Spain. Title of presentation: "(Poly)phenolic compounds and human health: where have we been and where are we going?"

4th International Conference on Foodomics, Cesena, 8-9 October 2015. Title of the presentation: "Bioavailability of phenolics from wheat aleurone: a complete approach".

7th International Conference on Polyphenols and Health (ICPH), Tours, France, 27-30 October 2015. Member of the Scientific Advisory Board. Title of presentation: "Innovative targets and innovative routes in the study of dietary polyphenol putative biological activity"

6th Biennial Berry Health Benefits Symposium, October 13th to 15th 2015, Madison, Wisconsin, USA. Title: "Raspberry ellagitannin metabolites in experimental models of chronic disease".

The impact of organic food on human health. European Parliament Science and Technology Options Assessment Symposium 18th November 2015. Chair.

The Need for Nutrition Education/Innovation Programme (NNEdPro) 2016 International Summit, Cambridge, June 17th - 19th, 2016. Title of presentation: "The Great Nutrient Debate: What should we teach our students about phytonutrients".

34th International Symposium on Diabetes and Nutrition Prague, June 29th - July 1st, 2016. Title of presentation: "Polyphenols: sources bioavailability and protective effects against diabetes".

2016 Government Chemist Conference, Science supporting trust in food; 21-22 June 2016, The Royal Society, Carlton House Terrace, London. Title of presentation: "Dietary bioactives, polyphenols and potential health effects: facts, fiction and the future...".

1st International Conference on Food Bioactives and Health, Norwich, UK, 13-15th September 2016. Member of the Scientific Committee. Title of presentation: "Effects of metabolism of polyphenols on their biological activity".

Wine and Health Meeting 2017, Logrono, Spain, 16-18th February 2017. Member of the Scientific Committee and session chairman.

International Conference "Food Values" - The Renaissance of the Mediterranean Diet and Significance for a 21st Century World - Vatican City - 14th February, 2017. Title of presentation: "Could polyphenols be the Mediterranean Diet protective compounds?".

253rd American Chemical Society Meeting, San Francisco, April 2-6 2017. Title of Presentation: "Dietary polyphenols and health: Novel mechanisms of action involving their in vivo metabolites".

Experimental Biology Conference, 21 – 25 April 2017, Chicago, USA. Session: "ASN-NNEdPro Nutrition Educators Discussion and Networking Event: Train Nutrition Trainers".

8th International Conference on Polyphenols and Health (ICPH), Quebec City, Canada, 3-6 October 2017. Member of the Scientific Advisory Board. Title of presentation: "Overview of 25 years of polyphenols research"

Advances in cardiac arrhythmias and great innovations in cardiology, Turin, October 27<sup>th</sup> to 28<sup>th</sup>. Title of Presentation: "Dietary polyphenols in the prevention of cardiovascular diseases: facts, fiction and prospective mechanisms of action".

Advances in Alzheimer's and Parkinson's Therapies (an AAT-AD/PD Focus Meeting), Turin, Italy, 15-18<sup>th</sup> March, 2018. Title of Presentation: "Dietary polyphenols and brain health - the evidence so far".

Bioavailability 2018, Understanding the bioavailability of micronutrients and bioactive compounds for improved public health. 10-13<sup>th</sup> September 2018, John Innes Conference Centre, Norwich, UK. Member of the Scientific Advisory Board. Title of presentation: TBD.

The Mediterranean Diet Roundtable, Yale University, New Haven, USA, June 25<sup>th</sup>-26<sup>th</sup>. Panel session "Science and Sense of the Mediterranean Diet: Of Health, Heritage, and the Love of Good Food".

2<sup>nd</sup> International Conference on Food Bioactives & Health, Lisbon, 26<sup>th</sup> to the 28<sup>th</sup> of September. Member of the Scientific Committee.

#### **Invited lectures at national conferences:**

Istituto Nazionale Di Biostrutture E Biosistemi, VIII Convegno Nazionale, Roma, 23-24 ottobre 2008. "Recent advances in polyphenol bioavailability, catabolism and putative mechanism of action".

62° Congresso annuale della Società Italiana di Fisiologia, 25-27 Settembre 2011. "Nutrition, gut microbiota and human health: the peculiar case of polyphenols".

63° Congresso annuale della Società Italiana di Fisiologia, Verona il 21-23 Settembre 2012. "Glucose intolerance and its complications: new insights on mechanism of action exerted by polyphenols".

24° Congresso Nazionale della Società Italiana di Diabetologia, Torino 23-26 maggio 2012. "Quali e quanti antiossidanti nella dieta per il diabete?"

65° Congresso annuale della Società Italiana di Fisiologia, Anacapri il 28-30 Settembre 2014. "Diet-microbe interaction in the gut: the peculiar case of dietary (poly)phenols".

14° Congresso della Società Italiana di Fitochimica, 10-12 Giugno 2015, Padova. "Bioavailability, bioactivity and impact on health of dietary flavonoids and related compounds: an update"

5° Corso di Genetica Cardiovascolare, Associazione Regionale Cardiologi Ambulatoriali, Venezia, 27-28 febbraio 2015. "Promesse e falsi miti dei flavonoidi nel rischio cardiovascolare".

21° Congresso Interassociativo AMD SID Lombardia "DIABETE E OBESITA' Un rebus irrisolvibile per il diabetologo? Il presente e le future strategie". Corte Franca (BS) 2-3 Ottobre 2015. Presentazione: "Nutraceutici e diabete: considerazioni sui possibili meccanismi d'azione dei composti polifenolici".

3° Convegno - DIETA MEDITERRANEA E FITONUTRIENTI - Firenze, 11-12 Giugno 2016. Titolo della presentazione: "Polifenoli e salute: quali evidenze?"

Convegno "Cereali e salute", 14 Novembre 2016, Napoli. Presentazione: "Biodisponibilità dei polifenoli presenti nei cereali integrali".

38° Congresso della Società Italiana di Nutrizione Umana (SINU), Torino, 20-22 novembre 2017. Title of presentation: Polifenoli e microbiota intestinale.

**Patents:** "Composition comprising urolithins and uses thereof for the stimulation of insulin secretion". European Patent - rule 143(1) EPC. Application no. 13306415.4 - 1464

**Languages:** Italian – mother tongue  
English – Fluent (written and spoken)  
French – Scholastic (written and spoken)

**Bibliometric Values (updated February 2018) and Publications:**

**Number of publications on International ISI Journals:** 162

**H-Index:** 35 (Scopus), 43 (Google Scholar), 33 (ISI-Thomson)

**Google Scholar Page:** [http://scholar.google.com/citations?user=IHv\\_1mIAAAAJ&hl](http://scholar.google.com/citations?user=IHv_1mIAAAAJ&hl)

**Scopus:** <https://www.scopus.com/authid/detail.uri?authorId=57195726376>

**ResearcherID:** <http://www.researcherid.com/rid/E-8696-2010>

**ORCID:** <http://orcid.org/0000-0001-5394-1259>

Parma, 03/05/2018

