

Curriculum Vitae of Sebastiano Banni

ADDRESS:

University of Cagliari, Department of Biomedical Sciences, Physiology Section
Cittadella Universitaria, 09042 Monserrato (Cagliari), Italy
Email: banni@unica.it

EDUCATION

1991 PhD in Experimental and Molecular Pathology from the University of Turin.
1984 Degree in Biological Sciences with a final grade of 110/110 cum laude from the University of Cagliari.

ACADEMIC ACTIVITIES

2021-Present Secretary of the Executive Board of the College of Full Professors of Physiology.
2018-2021 Member of the National Commission for University Professorship Qualification in the competition sector 05/D1-Physiology.
2019-2024 Coordinator of the PhD Program in Molecular and Translational Medicine at the University of Cagliari.
2015-Present Member of the Patent and Spin-off Technical Commission of the University of Cagliari.
2014 Full Professor (Scientific Sector BIO/09 - Physiology) at the Department of Biomedical Sciences, University of Cagliari.
2012-2014 Coordinator of the PhD Program in Biomedical, Nutritional, and Metabolic Sciences at the University of Cagliari.
2013-Present Director of the Residency School in Food Science at the Faculty of Medicine and Surgery, University of Cagliari.
2006 Associate Professor (Scientific Sector BIO/09 - Physiology) at the Faculty of Science MM.FF.NN., University of Cagliari.

TEACHING ACTIVITIES

2003-Present Lecturer in Physiology, Nutrition Physiology, Human Nutrition and Dietetics, Molecular Physiology, Cellular and Molecular Basis of Nutrition, Cellular and Molecular Basis of Nutrition (English course) for the Faculties of Biology, Pharmacy, and Medicine at the University of Cagliari.

INTERNATIONAL RESEARCH EXPERIENCE

1996 Research Fellow, Department of Environmental and Occupational Health, University of Pittsburgh, Pittsburgh, PA, USA.
1995 Research Fellow, Department of Pathology and Department of Environmental and Occupational Health, University of Pittsburgh, Pittsburgh, PA, USA.
1993 Research Fellow, Department of Pathology and Department of Environmental and Occupational Health, University of Pittsburgh, Pittsburgh, PA, USA.
1987-1990 Research Fellow, Department of Pathology, School of Medicine, University of Pittsburgh, Pittsburgh, PA, USA.

MAIN RESEARCH OBJECTIVE

The primary research focus is on the nutritional role of lipids, both qualitatively and quantitatively, in maintaining body composition homeostasis throughout different life stages.

Special attention is given to the influence of dietary fats on lipid and energy metabolism, as well as metabolic flexibility, through the modulation of the endocannabinoid system and PPAR receptors. In particular, research explores the nutritional properties of conjugated linoleic acid (CLA), omega-3 fatty acids, and palmitic acid. The studies are conducted using both animal experimental models and human research.

MEMBERSHIP IN PRESTIGIOUS ACADEMIES

2022-Present ILSI Europe Expert Group on 'The Optimal Lipid Profile in Early Life Nutrition'.

2019-Present Member of the Scientific Committee of the Academy of Molecular Mechanisms.

2016-Present Member of the Scientific Committee of the Joint International Unit on "Chemical and Biomolecular Research on the Microbiome and its Impact on Metabolic Health and Nutrition" between CNR and Université Laval (Canada).

2016-Present Member of the American Society for Nutrition.

2003-Present Member of the Italian Society of Physiology.

2008-2012 Board of Directors, International Society for the Study of Fatty Acids and Lipids.

1997-2000 President of the European Section, American Oil Chemists' Society.

ACTIVITIES FOR SCIENTIFIC JOURNALS

Member of the editorial board of the scientific journals *Scientific Reports*, *Nutrients*, *Dietetics*.

Reviewer for: *J. Nutr.*; *Lipids*; *Brit. J. Nutr.*; *Eur. J. Clin. Nutr.*; *Biochim. Biophys. Acta*; *J. Lipid Res.*; *J. Am. Oil Chem. Soc.*; *Eur. J. Lipid Sci. Technol.*; *J. Chrom.*; *Pharmacol. Res.*; *Cancer Res.*

SCIENTIFIC ACTIVITY AND PUBLICATIONS

- Invited speaker at conferences and seminars (32 international and 21 national).
- Organizer of 7 international conferences.
- Scientific output consists of 130 peer-reviewed publications in indexed journals with impact factors, with an H-index of 48 (Scopus ID: 7003577356).

List of Publications:

Google Scholar:

https://scholar.google.co.uk/citations?hl=it&user=gppy8TsAAAAJ&view_op=list_works&sortby=pubdate

Scopus:

<https://www.scopus.com/pages/citationOverview?authorsIds=7003577356&origin=AuthorName&list>

PubMed:

<https://pubmed.ncbi.nlm.nih.gov/?term=Banni%2C%20Sebastiano%5BAuthor%5D&sort=date>

These research activities have been continuously funded by European, national, and regional grants since 1998.

TECHNOLOGY TRANSFER RESULTS IN TERMS OF SPIN-OFF CREATION, PATENT DEVELOPMENT, AND COMMERCIALIZATION

Founded *Nutrisearch srl*, an academic spin-off of the University of Cagliari. Served as President from its foundation in 2006 until its sale in 2012. Co-inventor of six international patents.