

Luigi Palmieri
short CV

Born in Bari (Italy), April the 18th, 1968

ORCID: 0000-0002-6503-2922

H-index: 39 (Scopus)

Total citations: 4535 on 84 peer-reviewed papers (Scopus)

Education

- 1986: Liceo Ginnasio Statale Socrate, Bari (60/60 cum laude).
- 1993: MSc degree in Chemistry, University of Bari (110/110 cum laude).
- 1999: PhD in "Marine Sciences" (curriculum "Biochemistry"), University of Bari.

Employment

- 1993 - 1994: Graduated research assistant at the Institut für Biotechnologie 1 Forschungszentrum Jülich, D-52425 Jülich in the group headed by Prof. Dr. Reinhard Krämer.
- 1994 - 1995: Graduated research assistant at the Dipartimento Farmaco-Biologico, University of Bari.
- 1995 - 2001: Assistant Professor at the Faculty of Pharmacy, Dipartimento Farmaco-Biologico, University of Bari.
- 2001 - 2005: Associate Professor of Biochemistry at the Faculty of Pharmacy and, since 2002, at the Faculty of Biotechnology, Dipartimento Farmaco-Biologico, University of Bari.
- 2005 - present: Professor of Biochemistry at the Dipartimento di Bioscienze, Biotechnologie e Biofarmaceutica, University of Bari.

Other research activities

- 1996: MRC - Laboratory of Molecular Biology, Cambridge CB2 2QH, UK. Visiting scientist in the research group headed by Dr. John E. Walker (4 months).
- 1997: Institut für Biochemie und Molekularbiologie, Albert-Ludwigs-Universität Freiburg, D-79104 Freiburg, Germany. Visiting scientist in the research group headed by Prof. Dr. Nikolaus Pfanner (2 months).

National and International grants awarded as Principal Investigator:

- 2001-2003: CNR-funded project CNRG0002F7 "Mitochondrial metabolite transporters: identification and structural and functional characterization through over-expression in Escherichia coli and/or Saccharomyces cerevisiae and reconstitution into liposomes".
- 2003-2005: COFIN-PRIN Project "Bioenergetics and physiopathology of mitochondrial transporters" within the national project "Bioenergetics: functional genomics, molecular mechanisms and physiopathological aspects"
- 2004-2008: EU FP-6 Integrated Project "EUMITOCOMBAT - Rational treatment strategies combating mitochondrial oxidative phosphorylation disorders", contract number LSHM-CT-2004-503116, within the "European Community's sixth Framework Programme for Research, Priority 1 - Life sciences, genomics and biotechnology for health".

- 2005-2007: COFIN-PRIN Project "Bioenergetics and physiopathology of mitochondrial transporters" within the national project "Molecular mechanism and physiopathologic aspects of membrane bioenergetic systems".
- 2009-2011: Lead Participant (Coordinatore Nazionale) of COFIN-PRIN Project "Molecular and cellular studies of autistic disorder"
- 2010–2013: PO FESR Project "Bio-chemical processes for the production of biofuels".
- 2011–2014: PON 01_0209336 "Studio di nuove tecnologie e piattaforme tecnologiche per il miglioramento di processi produttivi di principi attivi farmaceutici di interesse industriale e ricerca di nuove molecole bioattive da sorgenti naturali" .
- 2012-2014: EU FP-7 Large Scale Collaborative Project "EuroBioRef- multilevel integrated biorefinery design for sustainable biomass processing" agreement n° [241718] within the dell' "European Union Seventh Framework Programme for Research and Technological Development.
- 2014 - 2015: Telethon Exploratory Project "Molecular and cellular underpinnings of the neurological phenotypes associated to mitochondrial citrate carrier (SLC25A1) deficiency".
- 2015-2016: CNR-funded project "Metabolic flux analysis in cells derived from patients with mitochondrial carrier deficiency " within the Flagship CNR Project "Interomics".
- 2018-2020: MIUR-funded project "Network-CIB: Catalisi dell'Innovazione nelle biotecnologie. Un approccio glocal alle bioraffinerie di terza generazione"
- 2019-2021: PON ARS01_01220 "BIOMIS - Costituzione della biobanca del microbiota intestinale e salivare umano: dalla disbiosi alla simbiosi".

Other scientific/academic duties

- 2007-2012: Dean of the Faculty of Biotechnology, University of Bari;
- 2011-2017: Board member CIB (Consorzio Interuniversitario per le Biotecnologie - MIUR funded);
- 2014-2018: Board member GIBB (Italian Group for Bioenergetics and Biomembranes – EBEC constituent);
- 2015-2019: Board member SIB (Italian Society for Biochemistry and Molecular Biology – FEBS constituent);
- 2018 - present: Chair of the Dipartimento di Bioscienze, Biotecnologie e Biofarmaceutica, University of Bari.

Patents:

- Walker JE, Palmieri F, Palmieri L (2002) "Yeast strains" WO 2002/010342.
- Walker JE, Runswick M, Palmieri F, Palmieri L, Agrimi G (2002)"Isoforms of an oxodicarboxylates transporter of *S. cerevisiae*" WO 2002/010395.
- Marobbio C.M.T., Palmieri L., Palmieri F. Santoro A. (2008) "Diazoxide for the treatment of Friedreich's ataxia " EP 2 151 238 A1.

- Agrimi G, Ricci MA, Palmieri L, Pisano I, Vitale P, Perna FM, Scilimati A (2014)
"Procedimento per la sintesi di alcoli chirali mediante impiego di lactobacillus reuteri"
MI2014A002079.

Ad hoc Peer Reviewer for the several international journals including:

Journal of Biological Chemistry, Biochemical Journal, Biochimica Biophysica Acta, Archives of Biochemistry and Biophysics, Cell Death and Disease, Comparative Biochemistry and Physiology, Plant Physiology, The Plant Cell, FEMS Yeast research, Cellular and Molecular Neurobiology, Neuroscience Letters, Journal of Neuroimmunology, Journal of Inherited Metabolic Diseases, BMC Medical Genetics, Plos Genetics, European Journal of Pediatrics.