
BIOGRAPHICAL SKETCH

NAME Bubacco, Luigi	POSITION TITLE Full Professor of Physiology Department of Biology, University of Padua, Padua, Italy		
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Sue Golding Graduate Division of the Albert Einstein College of Medicine of Yeshiva University, Bronx, NY, USA.	PhD	1992-1995	Physiology and Biophysics
Sue Golding Graduate Division of the Albert Einstein College of Medicine of Yeshiva University, Bronx, NY, USA.	M.S	1990-1992	Physiology and Biophysics
University of Padua	BS/MS cum laude	1985-1989	Biology

A. Positions and Honors.

Professional experience

2023-to date Member of the Academic Senate, , University of Padua, Italy.

2019-to date Chairman of the Department of Biology, University of Padua, Italy.

2018 Full professor in Physiology, Department of Biology, University of Padua, Italy.

2014-2017 Coordinator of the Biomedical Sciences Center “A. Vallisneri”, University of Padua, Italy

2009-2014 Deputy Director, Department of Biology, University of Padua, Padua, Italy.

2008-Visiting Professor (3/08 -4/08), ISM2/Biosciences UMR CNRS, Paul Cézanne University Aix-Marseille III Faculty of Sciences and Technology, Marseille, France.

2005-Associate Professor, Physiology and Biophysics, Department of Biology, University of Padua, Italy.

2002-NATO, Advanced Fellowships in Science CARB (Center for Advanced Research in Biotechnology), University of Maryland, Rockville, MD USA.

1999-Visiting Professor (3/99 -7/99) Leiden Institute of Chemistry, Rijks Universitet Leiden, The Netherlands

1995-1998- Post-doctoral Fellow, Gorleus Laboratory, Rijks Universitet Leiden, The Netherlands

1995-SON (Stichting Scheikunding Onderzoek Nederland) Fellowship 1/1995 at the Gorleus Laboratory, Rijks Universitet Leiden, The Netherlands

1989-1990 Research assistant Department of Molecular Pharmacology, Albert Einstein College of Medicine, Bronx, NY, USA

Honors and awards

2002-NATO, Advanced Fellowships in Science (7/02 -1 9/02) CARB (Center for Advanced Research in Biotechnology), University of Maryland, Rockville, MD USA.

Professional Memberships

2000-present European Biophysical society

1999- present SIBPA (Italian Society of Pure and Applied Biophysics (secretary 2002-2006)

2000-present SIF (Italian Physiology Society)
2013- present Society for Neurosciences

Editorial experience:

- Editorial Board, Cell Biology section of Biology Direct (2014-2017)
- Editorial Board Scientific Reports NPG
- Associated Editor for the Neurodegeneration section of Frontiers of Neurosciences

Relevant recent references

- Iannotta L, Fasiczka R, Favetta G, Zhao Y, Giusto E, Dall'Ara E, Wei J, Ho FY, Ciriani C, Cogo S, Tessari I, Iaccarino C, Liberelle M, Bubacco L, Taymans JM, Manzoni C, Kortholt A, Civiero L, Hilfiker S, Lu ML, Greggio E. PAK6 rescues pathogenic LRRK2-mediated ciliogenesis and centrosomal cohesion defects in a mutation-specific manner. *Cell Death Dis.* 2024 Oct 17;15(10):752. doi: 10.1038/s41419-024-07124-4. PMID: 39419978; PMCID: PMC11487180.
- Longhena F, Boujebene R, Brembati V, Sandre M, Bubacco L, Abbate S, Longhi G, Bellucci A. Nanorod-associated plasmonic circular dichroism monitors the handedness and composition of α -synuclein fibrils from Parkinson's disease models and post-mortem brain. *Nanoscale.* 2024 Oct 17;16(40):18882-18898. doi: 10.1039/d4nr03002h. Erratum in: *Nanoscale.* 2024 Nov 13;16(44):20775. doi: 10.1039/d4nr90202e. PMID: 39318230.
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- Jadavi S, Dante S, Civiero L, Sandre M, Bubacco L, Tosatto L, Bianchini P, Canale C, Diaspro A. Fluorescence labeling methods influence the aggregation process of α -syn in vitro differently. *Nanoscale.* 2023 May 11;15(18):8270-8277. doi: 10.1039/d2nr05487f. PMID: 37073868.
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- Agostini F, Bubacco L, Chakrabarti S, Bisaglia M. α -Synuclein Toxicity in *Drosophila melanogaster* Is Enhanced by the Presence of Iron: Implications for Parkinson's Disease. *Antioxidants (Basel).* 2023 Jan 24;12(2):261. doi: 10.3390/antiox12020261. PMID: 36829820; PMCID: PMC9952566.
- Iovino L, Giusti V, Pischedda F, Giusto E, Plotegher N, Marte A, Battisti I, Di Iacovo A, Marku A, Piccoli G, Bandopadhyay R, Perego C, Bonifacino T, Bonanno G, Roseti C, Bossi E, Arrigoni G, Bubacco L, Greggio E, Hilfiker S, Civiero L. Trafficking of the glutamate transporter is impaired in LRRK2-related Parkinson's disease. *Acta Neuropathol.* 2022 Jul;144(1):81-106. doi: 10.1007/s00401-022-02437-0. Epub 2022 May 21..

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