

Curriculum vitae Dr. Maria Elisabetta Clementi

Research Identifiers:

Scopus Author ID: 7102037246

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Web of Science Researcher E-5936-2017

EDUCATION AND TRAINING

1987: Degree in Biological Sciences (full marks and honours) (Università “La Sapienza” Rome).

1990: Graduate School “Scienza dell’Alimentazione” (full marks and honours), Univ of Rome “La Sapienza”

1993: PhD in Biochemistry (Univ. “La Sapienza” Rome)

2000 Degree as Medical Doctor (full marks and honours) (Università di Tor Vergata Rome).

CURRENT POSITION

September 1999-today Senior Researcher CNR-ICRM, CNR-SCITEC

EDITORIAL RESPONSABILITIES

Editorial Board of Drug Metabolism and Transport (a specialty of Frontiers in Pharmacology)

Editorial Board of Current Neurology and Neuroscience

QUALITY/QUANTITY PARAMETERS (updated March 2022)

Total number publications = 70

Scopus: H-Index = 21 Total citations = 1235

Web of Science/Clarivate: H-Index = 21 Total citations = 1117

Google Scholar: H-Index = 24 i10-index 44 Total citations = 1673

Personal Statement

Research activity is currently aimed at the study of some degenerative diseases in cell culture and animal models. In particular, the cell lines used are representative of neuronal lines (neuroblastoma, glioma, pheochromocytoma) and pigmented retinal epithelium. The pathologies under investigation are Alzheimer's disease, Multiple Sclerosis and age-related macular degeneration (AMD), all characterized by an increase in oxidative potential at the cellular level. These studies aim to identify the molecular basis of some diseases and to test some potentially protective molecules, both of natural and synthetic origin.

The characterization of the molecular mechanisms is focused in particular on mitochondria (membrane potential, cellular respiration, release of cytochrome C, mitochondrial DNA) and on the NRF2/OH axis which is the basis of cellular control mechanisms (inflammation-oxidation-apoptosis)

Positions and Honors

2018-2024: Habilitated as Full Professor of Biochemistry in the 2018 Scientific National Habilitation (ASN)

Contributions to Science

Grants

Project: Prin 2022 RU CLEMENTI Maria Elisabetta. Project: "Antagonizing S10B as a Potential new tool to counteract Multiple Sclerosis processes" (Prot. 2022PFFPBL)

Project: Prin 2007-2009 PI: CLEMENTI Maria Elisabetta. Project: "Danni mitocondriali nelle patologie neurodegenerative: il ruolo dei peptidi amiloidogenici" (Prot. 20078RWJBN_003).

Project PRIN 2012-2015, MIUR "Neurodegenerazione e neuroprotezione: ruolo dell'espressione della neuroglobina indotta dagli ormoni estrogeni" in collaboration with Paolo Ascenzi and Bruno Giardina (UCSC)

Fondazione Nando ed Elsa Peretti. 2019-2021 "Individuation of the S100B protein as a therapeutic target in multiple sclerosis pathogenic processes" (P.I. Prof. Fabrizio Michetti (Prot.NaEPF 2019-041)

Teaching Activities

From 1990 to 1999 she gave theoretical and practical lectures for the Chair of Chemistry and Biochemistry of the Faculty of Medicine and Surgery and for the

Chemistry course of the Faculty of Dentistry of the University of Rome "Tor Vergata".

From 1996 to 1999, she taught the Chemistry and Biochemistry course at the D.U. courses for laboratory technicians, dieticians and radiology technicians at the University of Rome "Tor Vergata".

From 1997 to 1999 she taught the Molecular Pathology course for the School of Specialization in Internal Medicine at the University of Rome "Tor Vergata."

From 2000 to 2018 she taught the course of Clinical Biochemistry of the integrated course of Chemical Physics and Clinical Biochemistry at the Bachelor of Science Degree Course for Nurses at A.C.O. San Filippo Neri (Rome).

In the A.A. 2004-2005, she was a lecturer in Human Nutrition at Science in Physical Education course at UCSC in Milan, Italy.

Since 2004 she has been a lecturer at the Master's Degree Course in "Dietetics and Applied Nutrition" at the Catholic University of the Sacred Heart in Rome