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CURRICULUM VITAE ET STUDIORUM

Angela Trovato Salinaro

PERSONAL INFORMATION

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trovato@unict.it

Nationality Italian

WORK EXPERIENCE

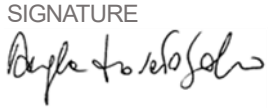
2020 - Associate Professor at the School of Medicine of the University of Catania for the Scientific-Disciplinary Sector BIOS-09/A.
2017 - Researcher at the School of Medicine of the University of Catania for the Scientific-Disciplinary Sector BIOS-09/A.
15/06/10-31/07/13, 01/01/09-31/12/09, 01/08/07-31/12/08, 01/06/06-31/05/07 Researcher fellowship Department of Chemical Sciences - University of Catania.
02/05/05-01/02/06 Post Doc. Department of Chemical Sciences - University of Catania.
Professor of the BIOS-09/A sector in the degree courses in Dentistry and Dental Prosthetics LM-46, Occupational Therapy (qualifying for the health profession of occupational therapist) L/SNT2, Biotechnology L-2, Biomedical Laboratory Techniques (qualifying for the health profession of biomedical laboratory technician) L/SNT3, Experimental and Applied Biology LM-6 and Human Nutrition Sciences LM-61.

EDUCATION AND TRAINING

2005 PhD in Neurobiololy - University of Catania, Italy.
2000 Specialty Degree - Specialty Degree in Clinical Biochemistry, University of Catania (Italy), obtaining an excellent judgment in the final exam: vote 70/70 and laude.
1995 Degree M.D. - University of Catania (Italy), vote 110/110 and laude.
1996 May Ability to exercise the Medical Profession - University of Catania.
1994 to 1998 Research experience: Institute of Biological Chemistry, University of Catania, from 1998 to 2014 Section of Biochemistry and Molecular Biology, Department of Chemical Sciences, 2014-2023 Section of Medical Biochemistry, Department of Biomedical Sciences and Biotechnology.
2023 to date Section of Clinical Biochemistry and Medical Genetics, Department of Biomedical Sciences and Biotechnology, University of Catania, "Torre Biologica", Via Santa Sofia, n. 97-95125-Catania, Itay.
NATIONAL SCIENTIFIC QUALIFICATION
On October 5, 2018, she obtained the National Scientific Qualification (ASN) for Full Professor, for the sector BIOS-09/A - Clinical Biochemistry and Clinical Molecular Biology.

PERSONAL SKILLS

The scientific activity of Angela Trovato Salinaro is within the field of translational research and is currently focused on the study of the impact of micro- and nanoplastics on human health, with particular attention to the mechanisms of interaction with in vitro tumor cell models and the biological effects associated with exposure. Furthermore, her research also explores the role of bioactive compounds and nutritional and nutraceutical strategies in modulating the cellular response and reducing biological damage. Furthermore, her activity has investigated the molecular mechanisms of oxidative stress and redox regulation, with particular reference to the role of nutritional antioxidants and cellular defence systems, as well as the processes underlying neurodegeneration and neuroinflammation. A further area of research concerns the study of connexins and intercellular communication mediated by gap junctions in physiological and pathological conditions. Her skills include the use of in vitro experimental models, advanced molecular analyses, and integrated biochemical, nutraceutical and translational approaches.

Mother tongue	Italian
Other language	English
Job-related skills	*Clinical Biochemistry:* extraction, purification and spectrophotometric quantification of DNA, RNA and proteins from human cells and tissues and rat. Electrophoretic techniques for the separation of nucleic acids and proteins, analysis with restriction enzymes and Southern blotting. Analysis to assess the levels of mRNA and protein. Preparation of probes for hybridization techniques non-isotopic methods. Screening of genomic libraries; sub-cloning into plasmid vectors and PCR amplification. Gene silencing techniques of immunoblotting, immunoprecipitation, immunocytochemistry and immunohistochemistry. Enzymatic activity assays, ELISA. *Clinical Molecular Biology:* preparations of cell cultures from human, rat and mouse; operation and repair of equipment of the clean room for cell cultures. Cryopreservation of various human cell lines and murine tumor and not. Separation of leukocytes, and lymphocytes from peripheral blood. Techniques for cell transfections (temporary and stable) for the study of gene expression and for the analysis of proteins. Preparations for microscopy and microscopy techniques brightfield, darkfield and fluorescence. Confocal microscopy techniques. *Computer skills:* excellent knowledge of Windows operating systems, Microsoft Office, Internet browsers, and the most common image acquisition and processing programs. Excellent ability to use biomolecular databases and bibliographically retrieved material: PubMed; EMBL, GenBank; SWISSPROT. Good knowledge of database access systems: ENTREZ; database similarity searches: FASTA; and sequence alignment methods (CLUSTAL).
ADDITIONAL INFORMATION	Angela Trovato Salinaro is actively involved in the national and international scientific community, participating in conferences and scientific dissemination activities. She also holds institutional and managerial roles within the academic field, contributing to the educational and organizational development of degree programmes. She carries out editorial activity as a member of editorial boards and guest editor in international journals in the fields of nutrition, oxidative stress and molecular medicine. Metrics overview (Scopus): 90 Documents 5144 Citations 46 h-index

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