

Ivana Sirangelo

Born in Naples, Italy, on April 8th, 1963

Education:

- Graduated in Biology at "Federico II" University of Naples in 1988, 109/110.
- Post-degree specialization in Microbiology, School of Medicine, University of Naples in 1996 with 110/110 cum laude.
- PhD in Biochemical Sciences, School of Medicine, University of Naples in 1996.
- 1993-1994 Visiting scientist at the Molecular Biology laboratory of Prof. J. Hershey in the Department of Biological Chemistry, School of Medicine, University of California, Davis, USA.
- 1996 Scholarship from NATO CNR Advanced Fellowships Programme.
- 1996 Attribution of post-doctoral research at the Molecular Biology laboratory of Prof. J. Hershey in the Department of Biological Chemistry, School of Medicine, University of California, Davis, USA.
- 2017 National scientific qualification for the functions of second-level professor (s.c.05/D1 s.s.d. BIO/09, Physiology)

Current Position:

Associate researcher of Physiology, School of Medicine, University of Campania "L. Vanvitelli", Naples, Italy.

Assistant Medical Director, Clinical and Molecular Pathology, University Polyclinic, University of Campania "L. Vanvitelli", Naples, Italy.

Scientific activity:

Her research activity is devoted to the identification of the factors and mechanisms underlying the aging related diseases. The fields of major interest are: (i) characterization of the molecular mechanisms underlying amyloid fibril formation and of the effect of aggregating compounds on amyloid aggregation process; (ii) relationship between cytotoxicity and structure of amyloid aggregates; (iii) physiopathology of cell-amyloid interaction and identification of the signaling pathways underlying amyloid aggregate cytotoxicity; (iv) role of glycation in the amyloid aggregation process and identification of molecular mechanisms underlying the cytotoxicity induced by advanced glycation end products (AGEs); (v) study of anti-amyloidogenic and anti-AGEs natural products, with the aim of developing new therapeutic strategies in the aging related diseases.

Dr. Sirangelo is author of more than 55 scientific publications on peer reviewed journals.

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