

BIOGRAPHICAL SKETCH

Antonio Pezone is a non-tenured researcher (RTDA) at the Department of Biology, University of Naples Federico II, Italy. He graduated in Medical Biotechnology in 2010, successfully completed in 2015 a Ph.D. program in Molecular Pathologies and Physiopathology in 2015, and earned the Specialization in Clinical Pathology and Biochemistry in 2018.

He spent almost a year (2013) at the Institute of Cancer Research working with Max E. Gottesman and in the laboratory of Riccardo Dalla-Favera (Cancer Center - Columbia University). In 2019 he spent 3 months as invited lecturer of Molecular Medicine at the Department of Medicine, School of Medicine and Health Sciences at Divine Word University, Papua New Guinea.

In last few years, his research mainly focused on the analysis of complex biological systems such as the mechanism(s) of transcription initiation and termination induced by nuclear hormones. Very recently he undertook a mixed approach (big data analysis and manipulation of biological systems, such as DNA and chromatin) and the results are rather striking. He developed a method to decode the complexity (heterogeneity) of methylated DNA sequences and uncovered a new approach to dissect clonal evolution.

Expertise fields: DNA damage and Repair, Genetic and Epigenetic Analysis, Transcription, Big Data analysis

n/publications=14 – n/ citations=530 – h-index=9