

I am an Assistant Professor at the Department of Biochemistry and Molecular Biology (Faculty of Biology, National and Kapodistrian University of Athens). My research focuses on the biochemical and molecular mechanisms that regulate gene expression at the transcriptional and post-transcriptional levels. During my doctoral studies, I characterized novel mRNA isoforms of kallikrein-related peptidases and ribonuclease K and explored the microRNAs controlling their expression in cancer cells.

My current work primarily involves the development of innovative RNA editing methodologies for the targeted manipulation and functional analysis of RNA molecules. I am particularly interested in elucidating the biochemical activity and molecular regulation of human RNA methyltransferases and demethylases, as well as their contribution to the dynamic control of RNA modifications in cancer. In addition, my research is focused on the expression and function of non-coding RNAs—including microRNAs, tRNA-derived fragments, and long non-coding RNAs—in tumor biology and gene regulatory networks.

By integrating biochemical experimentation with computational and sequencing-based approaches, my goal is to advance our understanding of RNA-mediated mechanisms that govern gene expression and influence human disease.