Gethsimani Papadopoulou
Biologist, MSc
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EDUCATION

[2019-Present] PhD Candidate, Bioinformatics and Applied Genomics Unit, Hellenic Pasteur Institute

[2017-2019] Interdepartmental Postgraduate Degree in "Applications of Biology in Medicine," Department of Biology and Medical School, University of Athens

[2013-2017] Bachelor's Degree in Biology, Department of Biology, School of Sciences, University of Athens

PARTICIPATION IN THE ORGANIZATION OF SCIENTIFIC EVENTS AND IN TEACHING ACTIVITIES

[2022] Participation in organizing the action " "Magnifying the microcosm!" involving printing of the three-dimensional structure of biomolecules, microorganisms, and viruses using a 3D printer, 2nd Puzzle Festival, Castellorizo

[2017-2019] Participation in the organization and teaching of laboratory exercises in the course "Cell Biology", Department of Biology, University of Athens

[2017-2018] Participation in the organization and execution of the 5th Athens Science Festival, Non-Profit Organization "SciCo" (Science Communication)

[2016-2017] Participation in the organization and implementation of activities of the Biology Department (University of Athens) for the 4th Athens Science Festival

RESEARCH ACTIVITY
- Participation in Conferences with oral (3) and poster (5) presentations
- Publications in International Scientific Journals (5)
- Participation in educational and training seminars (10)

RESEARCH INTERESTS
- Mechanisms of pathogenesis of respiratory viral and bacterial infections
- Host immune responses in respiratory viral infections via NGS, metagenomics, and transcriptomics analysis
- Mechanisms of pathogen (viral) immune evasion
- Host transcriptomic signatures as predictive markers for differential diagnosis of infectious diseases
- Metagenomics and metaviromics analysis and potential applications

DIGITAL / PROGRAMMING SKILLS
- Experience in using bioinformatics tools and programs, Unix-Bash, R
- Global Intermediate Certificate in Computing
- Certificate in Greek Typing