

Panagiotis Papadopoulos

Molecular Biologist & Geneticist

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Profile

Molecular biologist and geneticist with spherical experience in the fields of teaching, diagnostics and bioinformatics. 4+ years in Clinical Diagnostics, as well as in the R&D of Molecular assays and Bioinformatics. Further specialized in the field of Nutrition and Microbiome. Impact- and curiosity-driven. At the end of the day, a solutionist that embraces responsibility.

Education

(February 2022)

Master of Science in Nutrition and Microbiome,

Medical School, Democritus University of Thrace
– Alexandroupolis, Greece

(November 2016)

Bachelor of Science in Molecular Biology and Genetics,

Democritus University of Thrace
– Alexandroupolis, Greece

Professional experience

(December 2023 - Present)

Special Associate Researcher/Bioinformatician

Institute of Molecular Biology and Biotechnology of the Foundation for Research and Technology Hellas (IMBB-FORTH) – Heraklion, Greece

- Effect of the three-dimensional structure of chromatin on gene expression patterns in the innate and adaptive immune system
- Analysis of NGS samples in R and Python: RNA-Seq, ChIP-Seq, scRNA-Seq, Functional Enrichment Analysis, Statistical Analysis

(June 2022 – November 2023)

Research and Development Scientist

BIOPIX-T, DNA TECHNOLOGY – Heraklion, Greece

- Design and execution of experiments for the development of medical devices
- Optimization of assays & Quality Control of products
- Maintenance of a Quality Management System based on the most modern ISO Standards

(September 2018 – June 2021)

Biology and Chemistry Tutor/Coordinator

Anodos, Private High School – Alexandroupolis, Greece

- Teacher, scientific coordinator and consultant of 30 students/year

Key skills

Work ethics



Accuracy



Communication skills



Problem solving



(February 2014 – November 2016)

Undergraduate Research Associate

Laboratory of Clinical Pharmacology, Medical School of Democritus

University of Thrace – Alexandroupolis, Greece

- Responsible for therapeutic drug monitoring and serology tests for patients of the University General Hospital of Alexandroupolis, main equipment; Abbott AxSym Plus
- Drug abuse testing (urine samples) in cooperation with the Forensic Service, main equipment; Cobas Integra 400 Plus (Roche)
- Medical Laboratory technical services, machine maintenance (preparation of reagents, calibrations, software updates), detailed archiving, discussing with the medical staff about the results and following treatment

Publications

- Post-cardiac arrest syndrome is not associated with an early bacterial translocation. Journal of Surgical Research : In Press (November, 2021); <https://doi.org/10.1016/j.jss.2021.11.008>
- The emerging role of gut microbiome in cardiovascular disease. Current knowledge and perspectives. Biomedicines 2022, 10(5), 948; <https://doi.org/10.3390/biomedicines10050948>