

## MARIA ANDREAKI

### PERSONAL INFORMATION

Nationality: Greek

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Date of birth: 18/02/1994

### EDUCATION

- ❖ (2016-2018) Master's in Translational research in Biomedicine (molecular diagnostics, biomarkers and targeted therapies), Democritus University of Trace, Department of Molecular Biology and Genetics, Alexandroupolis, Greece
- ❖ (2012-2016) Bachelor of Science in Biology, Field of study: Biomolecular Sciences and Biotechnology, University of Crete, Department of Biology, Heraklion, Greece

Foreign languages:

English: Proficiency Michigan (ECPE) – level C2

Computer skills:

Advanced knowledge of Microsoft Windows environments, Windows Server (2000 and 2003), and Office package (Word, Excel, Access, PowerPoint)

### WORK EXPERIENCE

**January 2019-now:** Biomedical Research Foundation Academy of Athens, B.M.S. Tech S.A., Hellenic Cord Blood Bank, Histocompatibility and Immunogenetics laboratory

HLA typing of cord blood samples using next generation sequencing

**March 2019:** Evangelismos Hospital, Immunology and histocompatibility laboratory:

Training on molecular techniques: PCR-SSP, PCR-SSOP (Luminex), DNA extraction (Maxwell), serological typing.

**January 2018-August 2018:** Laboratory assistant

Examination-diagnostic microbiological laboratory of Koufakis George

Blood drawing, conducting urine tests and cell cultures, handling hematology analyzer, in charge of business marketing through social media, register lab results in computational program "Biomember", communicate with patients.

**June 2017-September 2017:** Master thesis student

Foundation of Research and Technology Hellas, Institute of Molecular Biology and Biotechnology, Kafetzopoulos laboratory

Master thesis project: "Genomic analysis in a sarcoma patient with exceptional response after treatment with protein-kinase inhibitor". DNA extraction from tumor

tissue sample, library preparation with Ion TargeteSeq Exome Enrichment for the Ion Proton, analyzing genetic data (variant curation and annotation) from whole exome sequencing –Ion torrent technology- using Ion reporter and ACMG rules.

**June 2016-August 2016: Summer Intern**

Helmholtz Zentrum Munchen, Institute of Experimental Genetics, R.Teperino's laboratory Summer internship in Munich, Sensing the environment: "Characterization of the testicular immune system." Conducting flow cytometry and analyzing FACS results.

**October 2015-June 2016: Bachelor thesis student**

Foundation of Research and Technology Hellas, Institute of Molecular Biology and Biotechnology, Laboratory of molecular hemopoiesis, J.Strouboulis' laboratory  
Bachelor thesis project: "Comparative analysis of the methods of nuclear extractions for the most efficient isolation of protein complexes of transcription factors." Cell culture, Protein extraction, protein immunoblotting (western), and immunoprecipitation with streptavidin beads

**June 2015-August 2015: Workshop student**

University of Crete, Medical School, Cancer laboratory, S.Aggelaki's laboratory  
Project: "Detection of circulating tumor cells on patients with early stage breast cancer before and after chemotherapy and characterization of the cells depending on the existence of the proliferation factor Ki67". Testing blood samples of cancer patients with fluorescent microscope.

**February 2015-April 2015: Workshop student**

University of Crete, Medical School, Hemopoiesis Research laboratory, H.Papadaki's laboratory Project: "Introduction to molecular biology techniques". Isolation of peripheral blood mononuclear cells DNA extraction from the mononuclear cell fraction, RNA extraction from the mononuclear cell fraction, PCR, electrophoresis of the product on agarose gel.

**ADDITIONAL INFORMATION**

**Events Attended:**

- Training in "Introduction to Clinical Research, International Conference on Harmonization Good Clinical Practice", 2017, organized by Democritus University of Thrace
- Seminar of Laboratory Safety in IMBB-FORTH, 2015
- 66o conference of Hellenic Society for Biochemistry and Molecular Biology, Athens Eugenides Foundation, December 11th-13th 2015
- Workshop of Scientific Society of Greek Medical Students: "From embryonic stem cells to umbilical cord blood cells. Possibilities and prospects."
- Summer school of Biophotonics and molecular Imaging (BiMI), July 28 - August 1, 2014. Organized by: University of Crete and Foundation of Research and Technology Hellas