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EDUCATION

- 2017- : **Master's Degree in Bioinformatics**: University of Crete School of Medicine, Greece.
- 2012 - 2017: **Bachelor's Degree in Biology**: University of Crete Biology Department, Greece. Graduated with the grade of **7.5** out of 10.
- 2000 - 2012: Student of the **Moraitis School**, Athens, Greece. Graduated with the General Grade of **18.4**.

RELATED PROFESSIONAL EXPERIENCE

- **Master Thesis** (currently working) July 2018 –
“Assessing direct population descendance between contemporary and ancient populations.”
Ancient DNA Lab, Institute of Molecular Biology and Biotechnology, Foundation of Research and Technology – Hellas under the supervision of **Dimitris Kafetzopoulos** and **Pavlos Pavlidis**.
- **Research Internship**, February 2017 – May 2017
“Analysis of the intra- and inter-population genomic diversity of human Tunisian populations”
Anthropology Lab, Department of Animal and Human Biology, University of Rome “La Sapienza” under the supervision of **Destro-Bisol Giovanni** and **Paulo Anagnostou**.

· **Diploma Thesis,**

January - December 2016

“Evolution of *Algyroides nigropunctatus* and *Algyroides moreoticus* in the Balkan Peninsula.”

Molecular Systematics Lab, Natural History Museum of Crete under the supervision of **Nikolaos Poulakakis**.

COMPUTATIONAL SKILLS

- Complex coding in Python(2.7,3)
- Modest coding in R,PERL
- Basic coding in C
- Sequence handling from Sanger sequencing through alignment and dataset preparation ,analysis and plotting
- Evolutionary tools for sequence data and phylogenetic trees
- construction (MEGA7,MrBayes,RAxML)
- High throughput sequence data handling, vcf/geno/ped/PLINK format
- Multiple Population Genetics tools for analysis of High throughput data (e.g. PLINK,Treemix, Admixture,Struture)
- Mathematical methods for population data analysis (PCA, f - statistics –and Fst heat maps and trees)
- Coalescent simulation tools (ms,msprime)
- Clustering and Machine Learning algorithms (either created from scratch during my master or from python packages)
- Creating plots for all of the above

LABORATORY SKILLS

- Basic Lab Skills (Buffer preparation, Dilutions, Electrophoresis)
- PCA (basic protocol, amplification protocol)
- DNA Purification (with or without the use of Gel)
- DNA extractions using Proteinase K Protocol

Always willing to learn more! (Especially population tools and methods)

LANGUAGES

· **Spoken Languages**

Greek (Native Language)

English: Certificate of Proficiency in English, University of Cambridge

Capable of basic communication:

German and Italian

HONORS AND AWARDS

- **Erasmus +** Scholarship for Internships in Europe

March-May 2018

INTERESTS

Research Related

- Population Genetics (contemporary or ancient)
- Ancient DNA
- Evolutionary Biology
- Simulations
- Machine Learning

Non research related / Activities

- Video Games (especially strategy games)
- Tabletop Games
- Reading (mostly Historical Books)
- Hiking
- Cycling
- Camping
- Cooking