



Emmanouil Stratakis

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Abstract

PhD candidate interested in phylogenetics, systematics, phylogeography, ecophysiology and genomics. Worked in top research centres. Experienced both in field & lab work.

Abilities

- Research experience
- Leadership and organization abilities
- Communication
- Bioinformatics
- Foreign languages
- Collaboration and education in different research centres

Qualifications

MSc Enviromental Biology-Management of Terrestrial & Marine Resources (University of Crete, 2018)

Bachelor in Biology (University of Crete, 2016)

LRN Level 3 Certificate in ESOL International (C2) Grade:Distiction

GOETHE-ZERTIFIKAT DEUTSCH B1

Research experience

Natural History Museum of Crete, Dept. of
Biology, University of Crete

Jan 2019 — Present

PhD

Move, Adapt, or Die: Genomic Responses to Environmental Changes using Ectotherm animals living on edge

- transcriptomics
- ecophysiology
- ddRad-sequencing
- RNA, DNA extraction

- field work
- training in Ecology and Biodiversity Lab at the Dept of Biological Sciences (Univ. of Cyprus)

University of Crete, Dept of Biology

Oct 2016 — Oct 2018

MSc Environmental Biology-Management of Terrestrial & Marine Resources (University of Crete, 2018)

- Thesis: **Phylogeny, Species delimitation and Phylogeography of *Coronella austriaca* in Eastern Mediterranean.** Molecular Systematics Lab, Department of Biology and Natural History Museum of Crete, University of Crete. Supervisor: Ass. Prof. Nikos Poulakakis
- Conducted basic and applied research on **Phylogeny of Reptiles.**
- Extracted DNA and genotype samples using SNP technology.
- DNA analysis software, **Bioinformatics & Phylogenetics**
- Scheduled, trained and supervised lab members
- Managed overall laboratory functions
- Collected and analyzed biological data
- Field work

CIBIO (Campus de Vairão, Portugal)

Jun 2016 — Sept 2016

Erasmus Placement

- Research on Phylogeny of Darevskia lizard (Supervisor: Dr Miguel A. Carretero).
- Worked with several teams in Evolution research
- DNA extraction, PCR, Phylogenomics
- Publication as 2nd author

HCMR (Hellenic Centre of Marine Research)

Jun 2017 — Sept 2017

Traineeship

- **Analysis of Microsatellite sites on the Mediterranean Monk seal** (Supervisor: Dr. Panagiotis Kasapidis)
- DNA extraction, Multilocus PCR, Genotyping
- Microsatellite analysis
- Population genetics analysis
- 3 month placement in HCMR

Dept. of Biology, University of Crete

Feb 2016 — May 2016

Traineeship in Mathematic Biology Lab

- **Theoretical study of mixotrophy-autotrophy relationships within a microbial trophic grid.** (Supervisor: Ass. Prof. Konstadia Lyka)
- Matlab/R
- Mathematics
- 3 months placement in Mathematical Biology lab

Publications

- Catarina Rato *, **Manos Stratakis**, Diana Sousa-Guedes, Neftali Sillero, Susana Freitas, David James Harris, Miguel A. Carretero, 2020. The more you search, the more you find: Cryptic diversity and admixture within the Anatolian rock lizards (Squamata, Darevskia)
- (In preparation) **Manos Stratakis**, Iraklis Koutmanis, Daniel Jablonski, Miguel A. Carretero, Cetin Ilgaz, O. Kukushkin, Petros Lymberakis, Nikos Poulakakis, 2021. Phylogeny, species delimitation and phylogeography of *Coronella austriaca* in Eastern Mediterranean.

Scientific Conferences & Seminars

- **Certificate of Attendance:** Second Aegean Seminars for Computational Ecology & Evolution (2021)
- **Certificate of Attendance and Presentation:** 9th Hellenic Ecological Congress (HELECOS-2018)
- **Certificate of Attendance:** 13th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions (2015)
- **Certificate of Attendance seminar:** Laboratory safety (IMBB-FORTH)

Participation in Scientific Programs

Eco-evolutionary dynamics on Cyprus: A multitaxon approach to population differentiation within an isolated island

Others

- High school Biology teacher
- Social Latin Dance Instructor

References

Pr. Dr. Nikos Poulakakis

Assoc. Prof. Panagiotis Pafilis

Assoc. Prof. Emmanouil Ladoukakis

Assoc. Prof. Spyros Sfenthourakis

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