Dimitrios Kyriakis

Master Student

Education

2016– **Master Degree**, *University of Crete*, Heraklion, "**Bioinformatics**",School of Health Sciences Department of Medicine.
Grade: **9.21/10**

2010–2016 **Bachelor Degree**, *Aristotle University of Thessaloniki*, Thessaloniki, "**Biology**", Faculty of Science.
Grade: **7.44/10**

2007–2010 **Degree**, *20th High School of Thessaloniki*, Thessaloniki, ***18.5/20*** *(excellent)*.
High School

Master thesis

title *"Scanning of genetic variants and genetic mapping of phenotypic traits in gilthead seabream through ddRAD sequencing data analysis"*

supervisors G.Potamias, I.Tsamardinos, P.Pavlidis

Bachelor thesis

title *"Effect of exogenous lps administration on molecular mechanisms in gilthead seabream, Sparus aurata "*

supervisors Efthymia Antonopoulou, Alexandros Triantafyllidis

Professional Experience

07/2017–10/2017 **Rotation**, *Computational Biology Lab*, IMBB,FORTH.
" Modeling of Mossy Cells in Hippocampus".

09/2015–2/2016 **Erasmus Internship**, *Wageningen UR Animal Breeding and Genetics laboratory,*, Wageningen, Netherlands.
"Transcriptome assembly and annotation of Yellow Tail King Fish".

09/2014–11/2014 **Internship**, *HCMR*, Heraclion, Greece.
"Preliminary study of genetic differentiation Sander lucioperca.
Introduction to data analysis RNASeq.

+30 6 931 588 646 • kyriakds@gmail.com
kyriakisdimitrios.github.io/

Publications

Under preparation
Title: Scanning of genetic variants and genetic mapping of phenotypic traits in gilthead seabream (*Sparus aurata*)
Authors: **Dimitrios Kyriakis**, Alexadros Kanterakis, Tereza Manousaki, Mixalis Tsagris, Alexandros Tsakogiannis, Costas S. Tsigenopoulos*, George Potamias*

1/2/2018
Journal: Marine Genomics
Title: Muscle and liver transcriptome characterization and genetic marker discovery in the farmed meagre, *Argyrosomus regius*
Authors: Costas S. Tsigenopoulos*, Tereza Manousaki, Alexandros Tsakogiannis, Jacques Lagnel, **Dimitrios Kyriakis**, Neil Duncan, Alicia Estevez

14/8/ 2017
Journal: Biology
Title: In vivo effects of lipopolysaccharide on peroxisome proliferator activated receptor expression in the gilthead seabream (*Sparus aurata*)
Authors: Efthymia Antonopoulou *, Elisavet Kaitetzidou , Barbara Castellana , Nikolas Panteli , **Dimitrios Kyriakis** , Yoryia Vraskou , Josep V. Planas *

Conferences - Presentation

6/2015 "A first step for sustainable breeding programmes in pikeperch (sander lucioperca) through the evaluation of the genetic variation in domesticated broodstocks and natural populations". Tsaparis D., **Kyriakis D.**, Ekonomaki K., Darivianakis S., Fontaine P., Tsigenopoulos C.S. International symposium on genetics in aquaculture XII June 21st-27th, Santiago de Compostela, Spain 2015 p.132

5/2015 "Assessing genetic diversity in domesticated pikeperch (Sander lucioperca) broodstocks". Tsaparis D., **Kyriakis D.**, Darivianakis S., Fontaine P., Tsigenopoulos C.S.11th Panellenic symposium of oceanography and fishering 2015

13/11-15/11/2014 "Effect of exogenous lps administration on molecular mechanisms in gilthead seabream,Sparus aurata". **Kyriakis D.**, Feidantsis K., Kaitetzidou E., Triantafyllidis A., AntonopoulouE.. HydroMedit 2014, 1st International Congress of Applied Ichthyology and Aquatic Environment November 13th-15th, Volos, Greece 2014 p.364-367.

8/5-10/5/2014 "Effect of lipopolysaccharide (LPS) on the tissues of sea bream (Sparus aurata) in post- translational level". **Kyriakis D.**, Feidantsis K., Kaitetzidou E., Triantafyllidis A.,Antonopoulou E.. 36th Scientific Conference of the Greek Society for Biological Sciences, Iwannina, 14-16 May 2014 p. 174-175.

Skills

Programming	Wet Lab	All the rest & some more
○ Python	○ RT-PCR	○ MySQL
○ Unix	○ SDS-PAGE	○ LateX
○ R	Western-blot	○ MS Office
○ HTML	○ DNA extraction	○ Photoshop
	○ Dot Blot	

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Major curricular topics

Methods in Bioinformatics-Machine Learning:

- Dimensionality reduction techniques
- Unsupervised Learning : Clustering
- Supervised Learning : Classification, Regression
- Feature Selection
- Model Selection
- Causality

Algorithms in Bioinformatics:

- Algorithms inspired by NGS problems (mapping, peak finding & differential expression)
- Sequence Alignment
- Motifs: Search, Evaluation and Discover
- Analyzing Sequence Composition

Languages

Greek Native language

English Working proficiency

- IELTS 6.5 (2015)
- Certificate of Competency in English, The University of Michigan English Language Institute (2007)

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