

Michalis Pagkalos

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Michalis Pagkalos

Place of birth : Agios Nikolaos
Date of Birth : September 5th, 1993
Address : Tertseti 9, Heraklion
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EDUCATION

- 2016-present:** **UNIVERSITY OF CRETE-FORTH**
MSc, Molecular Biology and Biomedicine
- 2011-2016:** **UNIVERSITY OF CRETE**
Bachelor, Department of Biology
Degree: 7.55
- 2009-2011:** **GENERAL HIGH SCHOOL OF AGIOS NIKOLAOS**
Degree: 18.8

RESEARCH EXPERIENCE

2017: Rotation (2 months) at the computational biology lab of **Yiota Poirazi, IMBB** working on the development of a simplified, CA3 pyramidal neuron model with added dendritic compartments. **Supervisor: Spyros Chavlis**

2017: Rotation (2 months) at the proteomics facility of IMBB (**ProFI**) working on the development of bioinformatic tools for the analysis of proteomic experimental data. **Supervisor: Michalis Aivaliotis**

2017: Rotation (2 months) at the computational genomics lab of **Christophoros Nikolaou, UOC** working on the nucleosome occupancy analysis of circRNA-transcribing genomic loci.

2015: Internship (3 months) at the crystallography lab of **Kyriakos Petratos** working on long non-coding RNAs structural analysis (6S RNA).

2013-2016: Member of the structural biology lab of **Michael Kokkinidis, UOC** working on: a) Purification and structural analysis of biological molecules, b) Long non-coding RNAs , c) Gene regulation in E. coli.
Supervisor: Vasiliki Fadouloglou

COMPUTER SKILLS

- Linux
- Python
- Anaconda
- Brian simulator
- Matplotlib
- R(basic level)
- UCSC genome browser

WET LAB SKILLS

- AKTA
- HPLC (gel filtration, ion exchange, affinity chromatography)
- Gel Staining (Coomassie blue, Blue silver, Silver)
- PCR
- Cloning
- Bacterial cultures
- Dialysis
- SDS/Urea/Native PAGE
- Protein and RNA purification
- Protein and RNA crystallisation

CONFERENCE POSTERS

E. Mylonas, **M.K. Pagkalos**, S. Miliara, M. Kokkinidis and V.E. Fadouloglou :
"**Structure of the E.coli cell cycle regulator 6S non-coding RNA and its complex with RNA polymerase**", 16th International Conference on Small-Angle Scattering (SAS 2015) in Berlin, Germany

OTHER KNOWLEDGE/CERTIFICATES

- Proficiency (C2) in English
- Zertifikat (B1) in German

- **Introduction to programming with python (University of Patras)**
- **Python 3 (Sololearn online course)**
- **ECDL (computer skills)**
- **Laboratory safety (FORTH seminar)**

A W A R D S

- **Fafoutis' foundation scholarship (2011-2015)**
- **Excellence award by Greek Mathematical Society**
- **Several excellence awards during school years**

P E R S O N A L I N T E R E S T S / A C H I E V E M E N T S

- **Active participation in several music concerts**
- **Radio broadcasting (FM)**
- **Medals with high school and university basketball teams**
- **Martial arts**
- **Swimming**
- **Android OS optimization and development**