Ioanna Pandi

Computational Biology Lab (CBL), Institute of Molecular Biology and Biotechnology (IMBB), Foundation for Research and Technology Hellas (FORTH)

ioanpand9@gmail.com
Date of Birth: 05/12/1994

Education

M.Sc in Neuroscience, School of Medicine, University of Crete, Heraklion, Greece. **October 2016-ongoing**

Current Grade: 8.7/10

Ranked #3 among all applicants.

Master Thesis: ***'Investigating place cell formation in CA1 hippocampal network using a computational model.'***

B.Sc in Molecular Biology and Genetics Department, Health Sciences School, **October 2012-October 2016**
Democritus University of Thrace, Alexandroupolis, Greece.

Grade: 8.1/10

Diploma Thesis: ***'Purification of C-phycocyanin (C-PC) from S.platensis & studying the effects of C-PC on proliferation rate of cancer cell lines.'***

Secondary Education, General High School of Leukimmi, Corfu, Greece. **October 2009-June 2012**

Grade: 19.3/20.0

Research Experience

Master Thesis in Computational Neuroscience **October 2017-ongoing** '***Investigating place cell formation in CA1 hippocampal network using a computational model.***'
Computational Biology Lab, IMBB, FORTH.
Supervisor: P. Poirazi, Director of Research.

- Neuron Simulation Environment, Python, Matlab.

Lab Rotation in Computational Neuroscience **July-October 2017**
'Validation of AMPAR and NMDAR in a PFC microcircuit model.'
Neurophysiology & Beheavior Lab, Dept of Biology, Univ of Crete.
Supervisor: K. Sidiropoulou, IMBB Researcher, Assistant Professor of Neurophysiology.

Grade: 10/10.

- Neuron Simulation Environment, Igor program.

Lab Rotation in Developmental Neurobiology **April-June 2017**
'Delta-Notch signaling and Drosophila cell fate choice (lateral inhibition).'
IMBB, FORTH.
Supervisor: C. Delidakis, IMBB Group Leader, Full Professor of Molecular Biology.

Grade: 9.5/10.

- Dissection, Mounting and Immunochemistry (Confocal Microscopy) of Larval and Pupal *Drosophila* brains and

wings.

Diploma Thesis in Molecular Biology **March 2016-September 2016**

'Purification of C-phycocyanin (C-PC) from S.platensis & studying the effects of C-PC on proliferation rate of cancer cell lines.'
Laboratory of Gene Expression, Molecular Diagnosis and Modern Therapeutics at MBG (DUTH).
Supervisor: R. Sandaltzopoulos, Professor Molecular Biology.

Grade: 10/10.

- Ammonium sulfate precipitation, Dialysis, Ion-Exchange Chromatography, DPPH, Sulforhodamine (SRB), In vitro wound-healing assay, Western blot, ELISA, Cell Culture, PCR.

IT Skills

Programming Languages: Python, Perl, MATLAB.
Simulators: NEURON
Software: ClustalW, RasMol, MS Office
Databases: NCBI (PubMed, GenBank, Blast, Unigene), EMBL-EBI (ExPASy tools: Uniprot, Prosite).

Awards/ Scholarships

Scored 18.422 units out of 20.000 in the Panhellenic exams and was admitted into Molecular Biology and Genetics Department (DUTH) ranked in 1st place with Greek State Scholarship Foundation.

Language Skills

Greek: Native Speaker
English: Fluent in English (State Certificate Of Foreign Language Proficiency - C1 Level)

Oral Presentations

I.Pandi*, E.Manoloudi*, M.Tokamani, P.Tsalagradas, R.Sandaltzopoulos, 'Study of the effects of phycocyanin on the proliferation rate of various cell lines', 38th Scientific Conference of Hellenic Association for Biological Sciences, Kavala, May 2016.

'Pavlovian Conditioning', 1st Student-Run Biology Workshop, Molecular Biology and Genetics Department, DUTH, Alexandroupolis, Greece, May 2016.

Conference Posters

I.Pandi*, E.Manoloudi*, M.Tokamani, P.Tsalagradas, R.Sandaltzopoulos, 'Study of the effects of phycocyanin on the proliferation rate of various cell lines', 38th Scientific Conference of Hellenic Association for Biological Sciences, Kavala, May 2016.

Driving Licence

Category B (16/04/2014) - Full clean EU(Greek) License

Interests

Music: playing classical guitar (9 years, 1 year with scholarship), degree in theory of music.