

ALEXANDRA TZILIVAKI

Personal information

Date of Birth: April 10th, 1993

Place of Birth: Chania Crete, Greece

Nationality: Greek

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Education

- 1) MSc Studies in Molecular Biology and Biomedicine Postgraduate Program.(October 2015-October 2017).

University of Crete. Department of Biology & School of Medicine, Institute of Molecular Biology and Biotechnology (IMBB) - Foundation for Research and Technology Hellas (FORTH). (October 2015-October 2017).

Honors (1:1). First selected Top 1% among all applicants.

- 2) Bachelor Degree in Biology. University of Crete. Department of Biology (September 2011-July 2015). **Honors 2:1 -Ranked first among all graduates at Graduation Ceremony Top 1% of total graduates.**

- 3) Third High School of Chania (2009-2011). Student.

Subjects: Mathematics, Chemistry, Physics, Biology, Greek Language and Literature. **Sum Grade: Excellent 19.3/20, 96.5/100. Honors-First Class Distinction Award 1% of total graduates**

Scientific Publications

A) Original Research Articles:

- 1) **Tzilivaki A.** and Poirazi P. 2017 (in preparation for submission).

Challenging the linear dogma: FS interneurons as a two stage integrator.

- 2) Psarrou M, Stefanou SS, Papoutsi A, **Tzilivaki A**, Cutsuridis V and Poirazi P (2014) A simulation study on the effects of dendritic morphology on layer V prefrontal pyramidal cell firing behavior. *Front. Cell. Neurosci.* 8:287. doi: 10.3389/fncel.2014.00287

B) Conference Publications:

- 1) **Tzilivaki A**, Stefanou SS, Poirazi P. (2016) Poster presentation. “Two stage integration features in PV FS Neocortical Interneuron.” FENS Forum of Neuroscience 2016. (FENS FORUM 2016) Copenhagen, Denmark.
- 2) **Tzilivaki A**, Stefanou SS, Poirazi P. (2016) Poster presentation. “Neocortical Fast Spiking Basket cells present supralinear and sublinear dendrites” DENDRITES 2016 EMBO Workshop. Crete, Greece.
- 3) **Tzilivaki A**, Stefanou SS, Poirazi P. (2015) Poster presentation “Dendritic operations in a detailed biophysical model of a Parvalbumin interneuron.” Federation for European Neuroscience Societies (FENS) Regional Annual Meeting 2015. Thessaloniki Greece.
- 4) Psarrou M., Stefanou S.S., **Tzilivaki A**, Papoutsis A., Cutsuridis V., Poirazi P. A simulation study on the effects of dendritic morphology on layer V PFC pyramidal cell firing behavior, AREADNE (2014), Research in Encoding and Decoding of Neural Ensembles, Santorini.

Honors/Awards**1) Google Europe Students Fellowship 2015-2016.**

First selected Fellow across Europe and Israel. The application has been screened by Google based on academic excellence, leadership skills and passion for Computer Science.

**2) Travel Grant for best poster Presentation in FENS Forum 2016 Copenhagen, Denmark. Awarded by the Hellenic Society for Neurosciences (HSN).****3) Alexander C. Onassis Benefit Foundation Graduate Scholarship 2015-2017. Based on academic and research excellence.****4) Young Scientist. Lindau Nobel Laureate Meeting . 2014 Selected Greek Young Researcher participant to attend the 64th Lindau Nobel Laureates Meeting dedicated Physiology & Medicine (29/6-4/7 2014 Germany).****5) Alexander C. Onassis Benefit Foundation Travel Grant 2014.**

For my attendance to Lindau Nobel Laureate Meeting.

6) Vardinoyiannio Foundation Undergraduate Scholarship. 2013 One year undergraduate scholarship, based on academic excellence.

Invited speaker:

- 1) **Tedx** event Tedx Chania November 11th 2017. “The Mitos of the Brain: For the labyrinth of memories to computational neuron models.”

Academic Memberships:

- 1) Organization for Computational Neuroscience (OCNS). January 2016-present.
- 2) Federation for European Neuroscience Societies (FENS). May 2016 -present.
- 3) Hellenic Society For Neurosciences (HSN). May 2016 -present.

Participation in Conferences:

- 1) DENDRITES 2016 EMBO workshop. Crete, Greece.
- 2) 10th FENS forum 2016. July 1-6, 2016. Copenhagen, Denmark.
- 3) FENS Regional Annual Meeting (FFRM) 2015. October 6th -10th , 2015 Thessaloniki Greece.
- 4) *Onassis Science Lectures 2014* “Molecular Conformational Fluctuations” August 25th -29th 2014 FORTH Crete Greece (**selected to participate as advanced undergraduate student**).
- 5) 64th Lindau Nobel Laureates Meeting dedicated Physiology or Medicine June 29th - July 5th , 2014 Lindau Germany

Student Supervision

- 1) Achilleas Adamopoulos Undergraduate Student. Physics Dept. University of Crete. November 2016-present.
- 2) Luiza Filipis. PhD candidate Laboratory of Interdisciplinary Physics (LiPhy) of the Grenoble University. February 2017.

Volunteer Experience

Fanourakio Institute (Children's Care Home Institute) January 2013-present Teacher. Assisting hosted children with family problems. Helping kids with their elementary school subjects. Organizing and performing various creative activities (theatrical play, music).



