

CURRICULUM VITAE

TSAKANI EDISONA

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RESEARCH EXPERIENCE

- 02/2018 – 22/09/2018 **Bachelor's Thesis**
Group of Dr. Inga Siden-Kiamos, Functional Genomics and Ageing Laboratory, IMBB-FORTH. Project: Tagging of the essential Actin 1 in *Plasmodium bergeri* parasite.
- 21/02/2019 – 26/04/2019 **Rotation** in the laboratory of Professor Nektarios Tavernarakis, Research Director (Professor, University of Crete), Neurogenetics and ageing, IMBB-FORTH
- 02/05/2019 – 30/06/2019 **Rotation** in the laboratory of Professor Domna Karagogeos, Research Director (Full Professor, University of Crete), Neurosciences, IMBB-FORTH
- 01/07/19 – 10/09/19 **Rotation** in the laboratory of Professor George Garinis, Research Director (Professor, University of Crete), Genome (In)stability and Mammalian Physiology, IMBB-FORTH
- 13/9/19 – Today **Master Thesis** in the laboratory of Professor George Garinis, Research Director (Professor, University of Crete), Genome (In)stability and Mammalian Physiology, IMBB-FORTH

PARTICIPATION IN RESEARCH PROGRAMS

1. Foundation / Laboratory: **Study of essential Actin 1 in *Plasmodium bergeri* parasite.** Pest and disease control, IMBB-FORTH. Duration: 02/2018 – 22/9/2018, Advisor: Dr. Inga Siden-Kiamos, Supervisor: Post-doctoral researcher Maria Andreadaki
2. Foundation / Laboratory: **Interaction of the nuclear membrane protein ANC-1/Nesprin 2 with autophagy for the regulation of nucleolus's volume.** Neurogenetics and ageing, IMBB-FORTH. Duration: 21/02/2019 – 26/04/2019, Advisor: Professor Nektarios Tavernarakis, Supervisors: Maria Markaki, Margarita-Elena Papandreou
3. Foundation / Laboratory: **Resveratrol effect in the maturation/proliferation of oligodendrocytes in culture.** Neurosciences, IMBB-FORTH. Duration: 02/05/2019 – 30/06/2019, Advisor: Professor Domna Karagogeos, Supervisor: Post-doctoral researcher Maria Savvaki
4. Foundation / Laboratory: **The role of DNA damage in innate immune signaling and neurodegeneration in mammals.** Genome (In)stability and Mammalian Physiology, IMBB-FORTH. Duration: 01/07/2019 – Today, Advisor: Professor George Garinis, Supervisor: Post-doctoral researcher Katerina Gkirtzimanaki

METHODS AND LABORATORY EXPERIENCE

- SDS-Page and Western Blotting
- Isolation of DNA
- Polymerase Chain Reaction (PCR)
- Quantitative polymerase chain reaction (qPCR)
- Agarose gel electrophoresis
- Bacteria culture
- *C.elegans* handling
- Microglia isolation – Microbeads (MACs)
- Fluorescence microscopy usage
- Organotypic culture of acute brain slices
- Immunostaining
- Whole animal Perfusion, Fixation for rodents
- Freezing of whole brains and spinal cords for cryosections
- Brain Cryosections with Cryotome
- Culture of Blue B-16 cancer cell line.
- Immunofluorescence

EDUCATION

2012 – 2013	High School Diploma (Apolytirion) Certificate of access with Panhellenic exams at grade 19.6/20, 13 th General Lyceum of Heraklion, Crete, Greece
2014 – 2018	Bachelor of Science (BSc), Chemistry (8,00) Department of Chemistry, University of Crete (UoC), Greece
2018 – Today	Master programme in Molecular Biology and Biomedicine Departments of Biology and Medicine, University of Crete and The Institute of Molecular Biology and Biotechnology (IMBB) of the Foundation for Research and Technology Hellas (FORTH).

GRADES IN SPECIFIC COURSES

<u>Courses</u>	<u>Grades</u>
Biology	7,5/10
Enzyme Biotechnology	10/10
Biochemistry I	10/10
Biochemistry II	9/10
Organic chemistry of biomolecules	8,5/10
Molecular Organization of life	8,5/10
Cellular Organization of life	8,5/10
Multicellular Organization of life	9/10
Bioinformatics	9,5/10
Biomedical Science and Technology	9,5/10

LANGUAGES

Greek	Native Language
Albanian	Native Language
English	Distinction University of Michigan Certificate of Competency in English (ECCE)
French	Diplôme d'études en langue française- DELF B2 (71/100) - Certificat pratique de langue française – Paris/ Sorbonne B2 (85/100)

SEMINARS

7 March 2018	Seminar “Laboratory Safety”, organized by IMBB-FORTH
June 2018	19 th postgraduate’s conference of chemistry

SCIENTIFIC CONFERENCES

15-17 December 2017	19 th postgraduate’s conference of chemistry, Heraklion, Crete, Greece
10-12 November 2017	Chemistry conference of master students, Thessaloniki, Greece

DIGITAL COMPETENCE

- Knowledge of Microsoft Windows operating system, Microsoft Office (Word, Excel, Power point) and also of Libbre Office operating system.

COMMUNICATIONAL/ ORGANISATIONAL SKILLS

Verbal and written communication skills – Acquired during studies.

Teamwork – Successfully undertaken various projects within academic environments.

Responsibility

Work Ethic

EXTRA STUDIES, SOCIAL ACTIVITIES AND INTERESTS

- Latin Dancing
- Painting: Sketching and Free drawing
- Good knowledge of computers
- Participant of an event in Agios Nikolaos, that had to do with demonstration of chemical experiments