

## Curriculum Vitae

### Personal information

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Name: Ioannis-Stefanos Kaplanis  
Adress: Thiras 5, 71305, Heraklion, Greece  
Tel: 6940202806  
e-mail: kaplanis\_stef@hotmail.com

Date of birth: 23/06/1992 | Nationality: Greek

### Personal statement

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Master's student in Molecular Biology and Biomedicine at the Biology Department of the University of Crete, with good analytical, reporting, communication and leading skills, well organized, enthusiastic, self-motivated, hard-working, team player and results-orientated

### Education

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2018-today	<b>MSc(Master of Science)</b> Molecular Biology and Biomedicine Biology Department, University of Crete
2012-2018	<b>Bachelor</b> Molecular Biology and Genetics Biology Department, University of Crete grade: 5.99/10

### Laboratory Experience

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September 2019-today	Master's thesis in the laboratory of prof. Domna Karagogeos (ITE, IMBB) The effect of CRMs in the remyelination of the Central Nervous System using organotypic brain slices.
July 2019- August 2019	Rotation in the Laboratory of prof. Domna Karagogeos (ITE, IMBB) In vivo and in vitro studies of autophagy in myelination and demyelination

May 2019- June 2019	Rotation in the Laboratory of prof. Panagiotis Sarris (ITE, IMBB) <i>Investigation of pathogenic mechanism of gram- positive plant pathogens bacteria</i>
March 2019- April 2019	Rotation in the Laboratory of prof. Electra Gizeli (ITE, IMBB) <i>Improvement of point of care diagnostic technics</i>
February 2017- July 2018	Bachelor thesis in the Laboratory of prof. Despina Alexandraki (ITE, IMBB) <i>The role of copper dependent transcription factor Mac1 in meiosis of budding yeast</i>
October 2016- January 2017	Laboratory rotation in the Laboratory of prof. Despina Alexandraki (ITE, IMBB) <i>The transcription activity of different domains of Mac1 transcription factor, using <math>\beta</math>-galactosidase assay</i>
October 2015- February 2016	Laboratory rotation in the Laboratory of John Vontas (ITE, IMBB) <i>The isolation of bacteria E. dadicola from the pest Bactocera oleae</i>

### Conferences-Poster/ORAL Presentations

**2020:** FENS forum 2020, Glasgow, U.K. Poster presentation: “ Regulation of autophagy and myelin formation in oligodendrocytes”. N. Ktena\*, S. Kaplanis\*<sup>#</sup>, V. Nikoletopoulou, D. Karagogeos, M. Savvaki

\*Equal Author, # Presenting Author

### Personal skills and competences

Laboratory techniques

DNA manipulation techniques:  
Polymerase chain reaction (PCR), plasmid isolation & digestion, klenow and DNA

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ligation, gel electrophoresis, insert or transgenes at Budding's yeast genome  
RNA isolation from plants and budding yeast, reverse transcription, real time PCR  
Proteins: protein extraction from both eukaryotes(yeast, mouse) and prokaryotes organisms, proteins interaction assays( IP, CoIP,  $\beta$ -galactosidase assay, yeast two hybrid assay, yeast one hybrid assay)  
Agroinfiltration in plants  
Organotypic brain slices culture from mouse brain. Primary cultures of neurons and glia  
Demyelination/remyelination protocols in vivo (cuprizone, LPC) and in vitro.  
Immunochemistry assays Primary cultures of neurons and glia  
Demyelination/remyelination protocols in vivo (cuprizone, LPC) and in vitro  
Transmission electron microscopy, Fluorescence microscopy, Confocal microscopy

Experimental animal experience

Manipulation of *Bactocera oleae* population.

Computer knowledge

Laboratory animal manipulation (mice).

Microsoft Office, Adobe Photoshop, FIJI (imajeJ), Oligo&, bioEdit, LAS X

Languages

Greek: native

English: Very good Oral and writing skills

German: Good oral and writing skills

### [Scientific societies membership](#)

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FENS (Federation of European Neuroscience)

HSFN (Hellenic Society for Neuroscience)

### [Conferences-Poster/ORAL Presentations](#)

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**2020:** FENS forum 2020 in Glasgo. Poster presentation: " Regulation of autophagy and myelin formation in oligodendrocytes". N. Ktena, S. Kaplanis, V. Nikolettou, D. Karagogeos, M. Savvaki

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### Other interests

Archery, jewelry design, museums, art exhibitions.

### References

#### Domna Karagogeos

Professor of Molecular Biology/Developmental Neurobiology, University of Crete Medical School and Group Leader: Institute of Molecular Biology and Biotechnology (IMBB), FORTH

#### Electra Gizeli

Professor of Organic Chemistry , University of Crete, Department of Biology and Group Leader: Institute of Molecular Biology and Biotechnology (IMBB), Vassilika Vouton, P.O Box 1385, GR 711 10, Heraklion, Crete, Greece

#### Despina Alexandraki

Professor of Developmental Biology, University of Crete Biology Department and Group leader: : Institute of Molecular Biology and Biotechnology (IMBB), FORTH