Laboratory of Basic Neuroscience, Heraklion (Greece)
Delimarkou 43, 71202 Heraklion (Greece)
(+30)6984568838

Niki Ktena

mail: nikektena@gmail.com

EDUCATION

10/2018–Present — **PhD student**
Faculty of Medicine, University of Crete & IMBB-FORTH, Heraklion (Greece)
Laboratory of Basic Neuroscience, Heraklion (Greece)

10/2016–10/2018 — **MSc in Neuroscience**
Faculty of Medicine, University of Crete, Heraklion (Greece) (GPA: 9.09/10)

09/2011–06/2016 — **BSc in Biology**
Department of Biology, University of Crete, Heraklion (Greece)
Specialization: Biomolecular Sciences and Biotechnology (GPA: 7.40/10)

LABORATORY EXPERIENCE

10/2018–Present — **PhD thesis,** Laboratory of Basic Neuroscience, Faculty of Medicine & IMBB-FORTH, Heraklion, Greece. (Supervisor: Prof. D. Karagogeos)
Thesis title: "Role of myelinophagy in Central Nervous System (CNS) development".

09/2020–12/2020 — **Travelling Fellowship,** awarded by "Boehringer Ingelheim Fonds" for visiting Laboratory of Neurophagy, Department of Fundamental Neurosciences (DNF), Lausanne, Switzerland. (Supervisor: Prof. V. Nikoletopoulou)
"Study of the role of autophagy in myelin biogenesis and oligodendrocyte function".

02/2018–09/2018 — **MSc dissertation,** Laboratory of Basic Neuroscience, Faculty of Medicine & IMBB-FORTH, Heraklion, Greece. (Supervisor: Prof. D. Karagogeos)
"Study of myelinophagy in oligodendrocytes".

10/2017–01/2018 — **Lab Rotation,** Laboratory of Neurophagy, IMBB-FORTH, Heraklion, Greece. (Supervisor: Prof. V. Nikoletopoulou)
"Generation of glutamatergic neurons deriving from mouse embryonic stem cells".

07/2017–09/2017 — **Lab Rotation,** Laboratory of Neurophysiology & Behavior, Department of Biology, Heraklion, Greece. (Supervisor: Prof. K. Sidiropoulou)
"Behavioral and electrophysiological study in the pilocarpine model of epilepsy in mice".

04/2017–07/2017 — **Lab Rotation,** Laboratory of Basic Neuroscience, Faculty of Medicine & IMBB-FORTH, Heraklion, Greece. (Supervisor: Prof. D Karagogeos)
"Study of autophagy in neuroglial cells".

01/2016–04/2016 — **Erasmus placement,** Laboratory of Neural development and plasticity, Wolfson Institute for Biomedical Research, University College London, UK. (Supervisor: Prof. N. Kessaris)
"Organization of CA1 interneuron classes".

01/2015–10/2015 — **BSc dissertation,** Laboratory of Basic Neuroscience, Faculty of Medicine & IMBB-FORTH, Heraklion, Greece. (Supervisor: Prof. D. Karagogeos)
"Expression of Ermin in MGE-derived interneurons".

07/2014–12/2014 — **Laboratory course,** Laboratory of Developmental Neurobiology, IMBB-FORTH, Heraklion, Greece. (Supervisor: Prof. C. Delidakis)
"Immunohistochemical analysis of regulatory sequences of the Hey gene in Drosophila melanogaster".

ADDITIONAL INFORMATION

Presentations in Scientific Conferences

Poster presentations:

- **Ktena N.*,** Kaplanis S.I., Kolotuev I., Georgilis A., Kallergi E., Stavroulaki V., Nikoletopoulou V., Karagogeos D., Savvaki M. (*presenting author)
  "Autophagy degrades myelin proteins and is essential for maintaining CNS myelin homeostasis and preventing axonal degeneration."
  9th Symposium of Hellenic Academy of Neuroimmunology (HELANI), Thessaloniki, Dec. 2022.

- **Ktena N.*,** Kaplanis S.I., Kolotuev I., Georgilis A., Kallergi E., Stavroulaki V., Nikoletopoulou V., Karagogeos D., Savvaki M. (*presenting author)

  "CNS myelination: a role for autophagic funtion"

  Federation of European Neuroscience Societies (FENS) Forum 2023, Paris, Jul. 2022.
- **Ktena N.*,** S.I. Kaplanis, Nikoletopoulou V., Karagogeos D., Savvaki M. (*presenting author)

  "Autophagy in oligodendrocyte maturation and myelin homeostasis."

  29th Meeting of the Hellenic Society for Neuroscience, virtual, Oct. 2021.
- **Ktena N.*,** S.I. Kaplanis, Nikoletopoulou V., Karagogeos D., Savvaki M. (*presenting author)

  "CNS myelination: a role for aytophagic function."

  Federation of European Neuroscience Societies (FENS) Regional Meeting 2021, virtual, Aug. 2021
- **Ktena N.*,** S.I. Kaplanis, Nikoletopoulou V., Karagogeos D., Savvaki M. (*presenting author)

  "A critical role for autophagy in oligodendrocyte maturation and myelin formation"

  XV European Meeting on Glial Cells in Health and Disease, virtual, Jul. 2021
- **Ktena N.*,** S.I. Kaplanis, Nikoletopoulou V., Karagogeos D., Savvaki M. (*presenting author)

  "The role of autophagy in the developing CNS myelin."

  Glia in Health and Disease, virtual, Jul. 2020
- **Ktena N**., Nikoletopoulou V., Karagogeos D., Savvaki M.* (*presenting author)

  "The role of autophagy in the developing CNS myelin."

  FENS Kavli Network of Excellence (FKNE) Winter Symposium 2019, Heraklion, Greece, Nov. 2019.
- **Ktena N.*,** Nikoletopoulou V., Karagogeos D., Savvaki M. (*presenting author)

  "A critical role for autophagy in oligodendrocyte maturation and myelin sheet formation."

  12th Foundation for Research and Technology (FORTH) Scientific Retreat, Patras, Greece, Oct. 2019.
- **Ktena N.*,** Nikoletopoulou V., Karagogeos D., Savvaki M. (*presenting author)

  "A critical role for autophagy in oligodendrocyte maturation and myelin sheet formation."

  28th Meeting of the Hellenic Society for Neuroscience, Heraklion, Greece, Oct. 2019.
- **Ktena N.*,** Nikoletopoulou V., Karagogeos D., Savvaki M. (*presenting author)

  "Autophagy in oligodendrocytes"

  XIV European Meeting on Glial cells in Health and Disease, Porto, Portugal, Jul. 2019.

Publications

•**Ktena, N.**, Kaplanis, S. I., Kolotuev, I., Georgilis, A., Kallergi, E., Stavroulaki, V., Nikoletopoulou, V., Savvaki, M., & Karagogeos, D. (2022). Autophagic degradation of CNS myelin maintains axon integrity. Cell stress, 6(12), 93–107. https://doi.org/10.15698/cst2022.12.274

• Savvaki, M., Kafetzis, G., Kaplanis, S. I., **Ktena, N**., Theodorakis, K., & Karagogeos, D. (2021). Neuronal, but not glial, Contactin 2 negatively regulates axon regeneration in the injured adult optic nerve. The European journal of neuroscience, 53(6), 1705–1721. https://doi.org/10.1111/ejn.15121

• Asgarian, Z., Magno, L., **Ktena, N.**, Harris, K. D., & Kessaris, N. (2019). Hippocampal CA1 Somatostatin Interneurons Originate in the Embryonic MGE/POA. Stem cell reports, 13(5), 793–802. https://doi.org/10.1016/j.stemcr.2019.09.008

• Bastakis, G. G., **Ktena, N**., Karagogeos, D., & Savvaki, M. (2019). Models and treatments for traumatic optic neuropathy and demyelinating optic neuritis. Developmental neurobiology, 79(8), 819–836. https://doi.org/10.1002/dneu.22710

Honors and Awards

• 2022, Prize for poster presentation at 9th Symposium of Hellenic Academy of Neuroimmunology (HELANI), Thessaloniki, Dec. 2022.

• 2021, Manassaki Foundation, University of Crete, Graduate Excellence Awards for 2018-2019.

• 2021, Prize for poster presentation at 29th Meeting of HSfN, travel Award to attend FENS Forum Paris 2022.

• 2020, "Boehringer Ingelheim Fonds" travel grant to spend 3 months in Prof. Nikoletopoulou lab, University of Lausanne, Lausanne, Switzerland.

• 2016, Erasmus+ Fellowship, State Scholarships Foundation (I.K.Y.) to spend 3 months in Prof. Kessaris lab, UCL, London, UK.

Languages	• Greek: native speaker • English: Certificate of Proficiency in English-Michigan University (C2) • German: Goethe- Zertifikat B1
Computer skills	• Windows MS Office (Word, Excel, Power Point) • Photoshop, Image J • IGORPro, WinWCP
Other skills	• successful completion of the Federation of European Laboratory Animal Science Associations (FELASA) Accredited Course, ref. 051/15, “Care and use of laboratory animals: mice, rats, zebrafish”, May-June 2019. FELASA Certificate ID: 051/15_8_2019.