

<b>PERSONAL INFORMATION</b>	
<b>SURNAME:</b>	BOZIKI
<b>NAME:</b>	MARINA KLEOPATRA
<b>YEAR OF BIRTH:</b>	1981
<b>PLACE OF RESIDENCE:</b>	THESSALONIKI
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## **EDUCATION**

- 03.2012 - 03.2016** 2<sup>nd</sup> University Neurological Department, Aristotle University of Thessaloniki (AUTH), AHEPA General Hospital of Thessaloniki, Greece, Residency in Neurology
- 09.2014 – 03.2015** Department of Medicine, School of Life Sciences, University of Thessaly, Greece, “Experimental study of microglia in the Central Nervous System following *H. Pylori* antigen administration”, Master in Science (M.Sc.) in Clinical Applications of Molecular Medicine
- 10.2008 - 04.2014** 2<sup>nd</sup> University Neurological Department, AUTH, Greece, “Study of immunomodulative properties of *H. pylori* in a mouse model of Multiple Sclerosis”, Ph.D. (including 26-Month Fellowship in Max-Planck Institute, see Research/Working Experience)
- 10.2005 – 11.2007** Department of Medicine, School of Life Sciences, AUTH, Greece, “Insulin metabolism in patients with Alzheimer’s disease and Mild Cognitive Impairment – Association with apolipoprotein E genotype”, Master in Science (M.Sc.) in Medical Research Methodology (Field of Clinical Research)
- 10.1998 – 07.2004** Department of Medicine, School of Life Sciences, AUTH, Greece, Medical Doctor (MD)

## **RESEARCH & WORKING EXPERIENCE - POSITIONS**

- 10.2019 - today** Assistant Professor of Neurology  
Clinical Neurology, Clinical and basic Neuroscience Research on Multiple Sclerosis (MS) and the mouse model of Experimental Autoimmune Encephalomyelitis (EAE)  
**2nd University Neurological Department, AUTH, AHEPA University General Hospital of Thessaloniki, Greece**
- 06.2016 – 10.2019** Scientific Collaborator  
Clinical and basic Neuroscience Research on Multiple Sclerosis (MS) and the mouse model of Experimental Autoimmune Encephalomyelitis (EAE). Clinical trials on MS Disease Modifying Treatments (DMTs). Clinical work with patients with MS (neurological examination, MRI evaluation etc.)  
**Multiple Sclerosis Center & Laboratory of Experimental Neurology and Neuroimmunology of the 2nd University Neurological Department, AUTH, AHEPA University General Hospital of Thessaloniki, Greece**
- 03.2012 - 03.2016** Resident in Neurology  
Clinical examination of in-patients, Out-patient Clinic, Emergency Neurological Department. **2nd University Neurological Department, AUTH, AHEPA University**

**General Hospital of Thessaloniki, Greece**

- 11.2009 - 03.2012 Visiting Fellow (Research Fellowship)**  
Experimental Research on Neuroimmunology, participating in two projects exploring the role of gut commensal microbiota in a mouse model of spontaneous EAE, the mouse model of MS (see relevant publications)  
**Department of Neuroimmunology, Max – Planck Institute for Neurobiology (Head: Prof. H. Wekerle), Martinsried (Munich), Germany**
- 10.2008 – 06.2009 Resident in Psychiatry**  
Clinical examination of in-patients, Out-patient Clinic, Emergency Psychiatric Department. **Psychiatric Clinic, 424 General Military Hospital of Thessaloniki, Greece**
- 03.2007 – 08.2008 Resident in Internal Medicine**  
Clinical examination of in-patients, Out-patient Clinic, Emergency Department. **Clinic of Internal Medicine, Psychiatric Hospital of Thessaloniki, Greece**
- 05.2005 – 08.2005 Visiting Fellow (Research Fellowship)**  
Neuropathology, brain banking techniques for Alzheimer’s and other neurodegenerative diseases.  
**Alzheimer’s Disease Center, Geriatric Research Education and Clinical Center (Head: Prof. N. Kowal), Boston university School of Medicine, Bedford VA Medical Center, MA, USA.**

**PUBLICATIONS** (Selected; see Section “Scientific Achievements” for a synopsis of the full Publication Record)

- **Boziki MK**, Karapanayotides T, Papadopoulos G, Lagoudaki R, Melo P, Bakirtzis C, Nikolaidis I, Gounari E, Tsavdaridou V, Skoura L, Afrantou T, Tatsi T, Grigoriadou E, Polyzoidou E, Mandoras N, Giantzi V, Kalogera-Fountzila A, Ioannidis P, Parissis D, Pelidou SH, Zoidou S, Grigoriadis N. Reduced expression of L-selectin in T-cells correlates with relative lymphocyte increase in patients with RRMS treated with natalizumab - functional implication towards PML risk. *Neurol Res.* 2020 Mar;42(3):209-221. doi: 10.1080/01616412.2020.1722913.
- **Boziki, M.**, Lagoudaki R., Melo P., Kanidou F., Bakirtzis C., Nikolaidis I., Grigoriadou E., Afrantou T., Tatsi T., Matsi S., & Grigoriadis N. Induction of apoptosis in CD4(+) T-cells is linked with optimal treatment response in patients with relapsing-remitting multiple sclerosis treated with Glatiramer acetate. *J Neurol Sci.* 2019 Jun 15;401:43-50. DOI: 10.1016/j.jns.2019.03.030
- Berer K, Mues M, Koutrolas M, Rasbi ZA, **Boziki M**, Johner C, Wekerle H and Krishnamoorthy G. Commensal microbiota and myelin autoantigen cooperate to trigger autoimmune demyelination. *Nature*, 479, 538-541,2011, DOI: 10.1038/nature10554.
- Berer K\*, **Boziki M\*** and Krishnamoorthy G. Selective accumulation of pro-inflammatory T cells in the intestine contributes to the resistance to autoimmune demyelinating disease. *PLoS One*, 9, e87876,2014, DOI: 10.1371/journal.pone.0087876. [**\*equally contributed**]
- Poulatsidou KN, Lagoudaki R, Touloumi O, Kesidou E, **Boziki M**, Ravanidis S, Chlichlia K, Grigoriou M and Grigoriadis N. Immunophenotype of mouse cerebral hemispheres-derived neural precursor cells. *Neurosci Lett*, 611, 33-39,2016, DOI: 10.1016/j.neulet.2015.11.011.
- Kountouras J, Tsolaki M, Gavalas E, **Boziki M**, Zavos C, Karatzoglou P, Chatzopoulos D and Venizelos I. Relationship between Helicobacter pylori infection and Alzheimer disease. *Neurology*, 66, 938-940,2006, 10.1212/01.wnl.0000203644.68059.5f.

**FELLOWSHIPS and AWARDS**

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- 2018 - 2019** **University Scholar for Teaching** (EDBM82 / MIS: 5029932) – “Psychopharmacology” (PSY-728), “Memory Disorders” (PSY-802), “Brain and Emotions” (PSY-827) / AUTH / Department of Psychology – School of Philosophy/Greece
- 2016 - 2017** **University Scholar for Teaching** (EDBM20 / MIS: 5000751) – “Physical Medical Rehabilitation” / AUTH / Neurosurgery Clinic – AHEPA University General Hospital/Greece
- 2014 - 2015** **Excellence Scholarship for Post-Doctoral Research**, AUTH / Greece
- 2010 - 2012** **Stipendium**, Max – Planck Institute for Neurobiology, Department of Neuroimmunology, Martinsried (Munich), Germany (16 months)
- 2009 - 2010** **Scholarship** of the Hellenic Neurological Association for Abroad Education (12 months)
- 2005** **Scholarship** of the Greek Association of Alzheimer’ Disease and Related Disorders for a Fellowship in Boston University School of Medicine, Alzheimer’s Disease Center, Geriatric Research Education and Clinical Center. Bedford VA Medical Center, MA, USA (3 months)

**MEMBER IN INTERNATIONAL SCIENTIFIC ORGANIZATIONS/ SCIENTIFIC PANELS**

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- 2020 - today** Core Group of the EAN Coordinating Panel on Rare Neurological Diseases (representing the EAN Scientific Panel on Neuroscience/translational neurology)
- 2019 - today** Member, EAN Scientific Panel Neuroscience/translational neurology
- 2018 - today** Member, International Society of Neuroimmunology (ISNI)
- 2009 - today** Member, European Academy of Neurology (EAN)

**TEACHING ACTIVITIES**

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Undergraduates

- Since 2019** “Neuroimmunology” (2 hour Lecture) in “Clinical Immunology”
- Since 2019** “Cranial nerves I-VI” (2 hour Lecture) in “Neurology” for Medical Students at the 4<sup>th</sup> year of their studies
- Since 2018** “Physical Medical Rehabilitation in Multiple Sclerosis” (2 hour Lecture) in “Physical Medical Rehabilitation”
- Since 2016** “Multiple Sclerosis” (2x2 hour Lecture) and “Other Demyelinating diseases” (2 hour Lecture) in “Neurology” for Medical Students at the 6<sup>th</sup> year of their studies
- 2018 - 2019** University Scholar for Teaching (EDBM82 / MIS: 5029932) – “Psychopharmacology” (PSY-728), “Memory Disorders” (PSY-802), “Brain and Emotions” (PSY-827) / AUTH / Department of Psychology – School of Philosophy/Greece
- 2017 - 2018** Teaching Staff (PD/407) – “Psychopharmacology” (PSY-728) / AUTH / Department of Psychology – School of Philosophy /Greece
- 2016 - 2017** University Scholar for Teaching (EDBM20 / MIS: 5000751) – “Physical Medical Rehabilitation” / AUTH / Neurosurgery Clinic – AHEPA University General Hospital/Greece

Master’s Programmes

- Since 2019** “CNS-directed autoimmunity” (1 hour) and “Microbiome and neurodegenerative diseases” (1 hour); International Inter-institutional Masters Programme in Neurosciences; National and Kapodistrian University of Athens & Pasteur Institute

- Since 2018** “Molecular mechanisms and consequences of the interplay between immune system and the Central Nervous System (CNS)” (2 hours) and “Multiple Sclerosis Neuropathology – Immunopathology” (3 hours); Inter-institutional Master’s Programme of Aristotle University of Thessaloniki (AUTH) & Democritus University of Thrace entitled: “Neuroimmunology”
- 2016 - 2017** “Special Issues in Brain Research” (2 hours) in Master of Science in Neuroscience and Education, Department of Educational & Social Policy, University of Macedonia (UOM)

## RESEARCH GRANTS

Project Title	Funding source	Period	Role
Non-neuronal cellular elements of the Central Nervous System and structural biomarkers in a mouse model of Spinal Muscular Atrophy.	Pharma	2021 - 2024	Co-investigator
Metagenomic and Immunogenetic Analysis in Multiple Sclerosis (MIMS)	Hellenic Foundation for Research & Innovation (HFRI); Call: 2 <sup>nd</sup> Call for H.F.R.I. Research Projects to support Postdoctoral Researchers	2020 - 2023	PI
Metabolomic analysis of peripheral blood as a possible biomarker in patients with Multiple Sclerosis with clinical and/or subclinical activity”.	Ministry of Education's Education and Lifelong Learning Program; Call EΔBM34 "Support for Researchers, with Emphasis on Young Researchers".	2019 - 2021	Co-investigator
Peripheral Blood Mononuclear Cells' (PBMC) apoptotic profile upon relapse in patients with relapsing – remitting multiple sclerosis (RRMS) under Glatiramer Acetate (GA) or intramuscular IFNβ-1a	Pharma	2016 - 2018	Co-investigator

## SCIENTIFIC ACHIEVEMENTS

Boziki Marina Kleopatra is an Assistant Professor in Neurology with expertise in clinical and experimental Neuroimmunology. Her special field of interest is the influence of gut commensal microbiota in Multiple Sclerosis (MS) and its mouse model of Experimental Autoimmune Encephalomyelitis (EAE). Her PhD dissertation on experimental neuroimmunology is entitled “Immunomodulative properties of H. pylori in a mouse model of MS”. She participated as sub- or co-investigator in 14 multicenter clinical trials for MS and neurodegenerative diseases and in 2 funded Research Studies. **Her research has been published in 61 publications in scientific Journals (PubMed) and has received 2054 Citations (Scopus) with H index=19 (Scopus). She is a co-author of one “highly cited publication in the field (PubMed)” (Neuroimmunology) cited as “Commensal microbiota and myelin autoantigen cooperate to trigger autoimmune demyelination. Berer K, Mues M, Koutrolas M, Rasbi ZA, Boziki M, Johner C, Wekerle H and Krishnamoorthy G. Nature, 479, 538-541,2011, DOI: 10.1038/nature10554”. Data retrieved on 5/3/2021.**