

## Marigoula Vlassopoulou, MSc

PhD Candidate

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### Education

2018-present: Ph.D candidate, Department of Nutrition and Dietetics, School of Health Science & Education, Harokopio University of Athens, Greece. Supervisor: Dr. Adamantini Kyriacou. Topic: "Investigation of mechanisms connecting the prebiotic, immunomodulatory and anti-cancer activity of  $\beta$ -glucans isolated from edible mushrooms of Greek habitats"

2016: Master of Science degree (MSc) in Cognitive Neuroscience (Research), Faculty of Social Sciences, Radboud University of Nijmegen, The Netherlands. Scientific track: Plasticity and Memory

2014: Bachelor's degree (BSc), Department of Biology, School of Sciences and Engineering, University of Crete, Greece. Scientific track: Biomolecular Sciences and Biotechnology

### Research Experience

2018-present: Ph.D candidate, Environment and Health research team, Institute of Chemical Biology (ICB), National Hellenic Research Foundation (NHRF). Supervisor: Dr. Vasiliki Pletsas

2015-2016: MSc student, Molecular Animal Physiology laboratory, Radboud Institute for Molecular Life Sciences (RIMLS), Nijmegen, The Netherlands. Dr. Astrid Vallès Sanchez, Prof. Dr. Gerard J.M. Martens

2014: Erasmus training, German Center for Neurodegenerative Diseases (DZNE, Deutsches Zentrum für Neurodegenerative Erkrankungen) Bonn, Germany. Supervisor: Dr. Dan Ehninger

2012-2014: Under-Graduate student, Neurophysiology and Behavior laboratory, Department of Biology, School of Sciences and Engineering, University of Crete, Greece. Supervisor: Prof. Dr. Kyriaki Sidiropoulou

### **Current Research Interests**

Currently working on the RESEARCH- CREATE-INNOVATE («ΕΡΕΥΝΩ - ΔΗΜΙΟΥΡΓΩ - ΚΑΙΝΟΤΟΜΩ») ESPA 2014-2020 National Programme FUNGLUCAN 2018-2021 "Development of a novel functional food enriched with β-glucans isolated from edible mushrooms of Greek habitats", her research interests are directed towards the human gut microbiota, the environmental and nutritional factors that affect it as well as the gut itself, and their interaction with the nervous system and its function.

### **Publications 2019-2021**

#### ***In peer-reviewed journals***

1. Vlassopoulou, M. et al. (2021). Effects of fungal beta-glucans on health-a systematic review of randomized controlled trials. *Food Funct.* *12*, 3366–3380. <https://doi.org/10.1039/d1fo00122a>.
2. Boulaka, A. et al. (2020). Genoprotective Properties and Metabolites of β-Glucan-Rich Edible Mushrooms Following Their In Vitro Fermentation by Human Faecal Microbiota. *Molecules*, *25*, 3554. <https://doi.org/10.3390/molecules25153554>.

#### ***International Conference Proceedings***

1. Vlassopoulou, M. et al. (2020) β-(1→3,1→6)-D-glucans in disease prevention and health promotion - a systematic review of randomized controlled trials Proceedings of the Nutrition Society , Volume 79 , Issue OCE2: 13th European Nutrition Conference, FENS 2019, 15–18. October 2019, Malnutrition in an Obese World: European Perspectives , 2020 , E528  
DOI: <https://doi.org/10.1017/S0029665120004772>.
2. Georgiadis, P. et al. (2019) *In vitro* fermentation of *Pleurotus ostreatus* and *Ganoderma lucidum* by human Gut Microbiota: cytotoxic, genotoxic and metabolomic analysis of the products. *Toxicology Letters* 314S1, S290.