



## Aggeliki Lyberopoulou, Biochemist, PhD

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**Date of Birth:** 05 October 1976

**Place of Birth:** Athens, Greece

**Marital status:** Married. One child

### 1. University Degree

March 2003: Degree in Medical Biochemistry, Department of Medicine, University of Thessaly

April 2007: Ph.D. in Biochemistry, Department of Medicine, University of Thessaly

### 2. Research & Professional Activity (summary)

**Dr. Aggeliki Lyberopoulou** is a Biochemist with over fifteen years of scientific experience in Molecular Biology and Biochemistry. She is currently working at the Research Laboratory of Internal Medicine, National Expertise Center in Autoimmune Liver Diseases, Dept. of Medicine, Univ. of Thessaly, under the scientific research program entitled: STUDY OF CHRONIC LIVER DISEASES (Sc. Coordinator Prof. G.N. Dalekos). Also, she collaborates with the research group of the Dept. of Microbiology and Parasitology, Faculty of Veterinary Science, Univ. of Thessaly, for the study of novel technologies for surveillance and characterization of extended spectrum  $\beta$ -lactamase and carbapenemase producing enterobacteriaceae in humans and animals, under the scientific research program entitled: CARBATECH (Sc. Coordinator Prof. C. Billinis). Her PhD thesis on the cellular response to hypoxia at the Lab. of Biochemistry, Dept of Medicine, Univ. of Thessaly, resulted in the identification of a novel molecular interaction and was funded from the Hellenic Research Committee. After receiving her PhD on 2007, she continued working at the Lab. of Biochemistry as a Teaching Assistant for both undergraduate and postgraduate students and also continued her research under the research programs PYTHAGORAS II and COOPERATION on the study of hepcidin production and secretion in hepatoma cell lines and liver tissues from patients with several liver diseases, until 2012. She continued as a post doctoral researcher in the scientific research program ARISTEIA I, analyzing extreme phenotypes of breast and ovarian cancer performing Massive Parallel Next Generation Sequencing in the Lab. of Molecular Oncology, Dept. of Medicine, Aristotle Univ. and in close collaboration with the National Centre for Nuclear Research "Demokritos". On 2015, she joined the Research Lab. of Internal Medicine, recorded by the Hellenic Center for Disease Control & Prevention as a Special Rare Diseases Center for Autoimmune Hepatitis. Her main responsibility is the detection and quantification of autoantibodies and specific peptides, in biological specimens of patients that, are key molecules in the immunopathogenesis of autoimmune liver diseases. Her fields of interest also include the alterations in the expression levels of several genes implicated in the immunological responses of patients from different disease subgroups and the identification of the related epigenetic modifications and mechanisms. She has 11 papers in peer-reviewed international journals and participated with oral and written presentations in 12 International and 14 National Congresses. Dr. A. Lyberopoulou is experienced in performing a wide range of tasks, training of pre-graduate and doctorate students and laboratory facility management. Her knowledge on modern methodology of Molecular Biology is valuable.

### 3. Grants/ Awards

- Research funding from the Research Committee of the Univ. of Thessaly under the scientific research program PENED 2001/ code 01ED121, for a period of 20 months (Jan 2004 – Oct 2005).
- Young Scientists Bursary for the participation at the International Congress IUBMB/ FEBS 2012, Seville, Spain.
- 1<sup>st</sup> Oral Presentation award from the Hellenic Association for the Study of the Liver at the 13<sup>th</sup> Panhellenic Congress of Hepatology, 2013, Rhodes, Greece.
- 1<sup>st</sup> Oral Presentation award from the Hellenic Association for the Study of the Liver at the 15<sup>th</sup> Panhellenic Congress of Hepatology, 2015, Athens, Greece.
- Research funding from the Research Committee of the Univ. of Thessaly under the scientific research program CARBATECH/ code 5715, for a period of 26 months (Feb 2019 – April 2021).

### 4. Selected peer-reviewed publications

- Low Serum Heparin in Patients with Autoimmune Liver Diseases.  
**Lyberopoulou A**, Chachami G, Gatselis NK, Kyrtzopoulou E, Saitis A, Gabeta S, Eliades P, Paraskeva E, Zachou K, Koukoulis GK, Mamalaki A, Dalekos GN, Simos G. PLoS One. 2015 Aug 13;10(8):e0135486.
- Prompt initiation of high-dose i.v. corticosteroids seems to prevent progression to liver failure in patients with original acute severe autoimmune hepatitis. Zachou K, Arvaniti P, Azariadis K, Lygoura V, Gatselis NK, **Lyberopoulou A**, Koukoulis GK, Dalekos GN. Hepatol Res. 2019 Jan;49(1):96-104.
- Epigenetic modifications in generalized autoimmune epithelitis: Sjögren's Syndrome and Primary Biliary Cholangitis. P. Arvaniti, K. Zachou, **A. Lyberopoulou**, N.K. Gatselis, W. H. Brooks, G.D. Dalekos, Y. Renaudineau. Epigenomes 2019, 3(3):15.