

Eleni T. Bairaktari, Ph.D., Eur Clin Chem

CURRICULUM VITAE

Present position: Professor of Clinical Chemistry, Laboratory of Clinical Chemistry, Medical School University of Ioannina, Greece

Head of the Laboratory of Clinical Chemistry, University Hospital of Ioannina, Greece

Address: Laboratory of Clinical Chemistry, Medical School University of Ioannina, GR 451 10 Ioannina, GREECE
Tel: +30 2651 07620, Fax: +30 2651 07871
email: ebairakt@uoi.gr

Education

1983 Degree in Chemistry, Department of Chemistry, Faculty of Natural Sciences, University of Thessaloniki, Thessaloniki, Greece

1988 Doctoral Diploma in Organic Chemistry and Biochemistry, Laboratory of Organic Chemistry and Biochemistry, Faculty of Natural Sciences, University of Ioannina, Ioannina, Greece

Research Interests:

- Metabonomics: study of the metabolic profiles of biological fluids by Nuclear Magnetic Resonance Spectroscopy (NMR) with emphasis on renal function, lipoprotein analysis diabetes mellitus and inborn errors of metabolism.
- Lipoproteins: Investigation of the metabolic abnormalities in lipids, analysis of their composition and development of new methods for their assay.

Scientific Publications: 144 publications in peer-reviewed International Journals (see attached list of publications)
4388 citations
h-index: 38
369 presentations in International and National Congresses

Other Qualifications: European Register for Clinical Chemists (EurClinChem)
44 Invited Lectures on Laboratory Medicine and Medicine.
20 Awards on Scientific Presentations on Laboratory Medicine and Medicine.
Member of the Scientific or Organizing Committee in 17 Greek and Balkan Congresses on Laboratory Medicine.

Membership

- American Association for Clinical Chemistry (full member since 1997)
- Balkan Clinical Laboratory Federation (full member since 1996 and national representative of Greece since 2000)
- Greek Society of Clinical Chemistry - Clinical Biochemistry [full member since 1993, member of the Executive Board (2001-2003), member of the Educational and Scientific Committee and of the National Clinical Chemistry Registration Committee (since 2003)]
- Greek Chemical Society (full member since 1983)
- Hellenic Biochemical and Biophysical Society (full member since 1995)
- Hellenic Society of Atherosclerosis (full member since 1994)

SELECTED PEER-REVIEWED PUBLICATIONS

1	<u>Bairaktari E</u> , Mierke DF, Mammi S, Peggion E. Conformational studies by circular dichroism, ¹ H NMR, and computer simulations of Bombolinitins I and III in aqueous solution containing surfactant micelles. <i>Biochemistry US</i> 29: 10090-10096 (1990)
2	<u>Bairaktari E</u> , Katopodis K, Siamopoulos KC, Tsolas O. Paraquat-induced renal injury studied by ¹ H-NMR spectroscopy of urine. <i>Clin Chem</i> 44: 1256-1261 (1998)
3	<u>Bairaktari ET</u> , Tselepis AD, Millionis HJ, Elisaf MS. Lipoprotein (a) levels, apolipoprotein (a) phenotypes and thyroid autoimmunity. <i>Eur J Endocrinol</i> 140: 474-476 (1999)
4	<u>Bairaktari E</u> , Elisaf M, Katsaraki A, Tsimihodimos V, Tselepis AD, Siamopoulos KC, Tsolas O. Homogeneous HDL-cholesterol assay versus ultracentrifugation/dextran sulfate-Mg ²⁺ precipitation and dextran sulfate-Mg ²⁺ precipitation in healthy population and in hemodialysis patients. <i>Clin Biochem</i> 32: 339-346 (1999)
5	<u>Bairaktari E</u> , Hatzidimou K, Tzallas C, Vini M, Katsaraki A, Tselepis A, Elisaf M, Tsolas O. Estimation of LDL Cholesterol based on Friedewald formula and on Apo B levels. <i>Clin Biochem</i> 33:549-555 (2000).
6	<u>Bairaktari E</u> , Liamis G, Tsolas O, Elisaf M. Partially reversible renal tubular damage in patients with obstructive jaundice. <i>Hepatology</i> 33:1365-9 (2001).
7	<u>Bairaktari E</u> , Elisaf M, Tzallas C, Karabina SA, Tselepis AD, Siamopoulos KC, Tsolas O. Evaluation of five methods for determining low-density lipoprotein cholesterol (LDL-C) in hemodialysis patients). <i>Clin Biochem.</i> 34:593-602 (2001).
8	<u>Bairaktari E</u> , Seferiadis K, Liamis G, Psihogios N, Tsolas O, Elisaf M. Rhabdomyolysis-related renal tubular damage studied by proton Nuclear Magnetic Resonance spectroscopy of urine. <i>Clin Chem</i> 48:1106-9 (2002).
9	<u>Bairaktari ET</u> , Tzallas C, Kalientzidou M, Tselepis AD, Siamopoulos KC, Seferiadis KI, Elisaf MS. Evaluation of alternative calculation methods for determining low-density lipoprotein cholesterol (LDL-C) in hemodialysis patients. <i>Clin Biochem.</i> 37:937-40 (2004)
10	Psihogios NG, Kalaitzidis RG, Dimou S, Seferiadis KI, Siamopoulos KC, <u>Bairaktari ET</u> . Evaluation of tubulointerstitial lesions' severity in patients with glomerulonephritides: an NMR-based metabonomic study. <i>J Proteome Res.</i> 2007 Sep;6(9):3760-70.
11	Psihogios NG, Gazi IF, Elisaf MS, Seferiadis KI, <u>Bairaktari ET</u> . Gender-related and age-related urinalysis of healthy subjects by NMR-based metabonomics. <i>NMR Biomed.</i> 2008 Mar;21(3):195-207.
12	Tzovaras V, Chatzikyriakidou A, <u>Bairaktari E</u> , Liberopoulos EN, Georgiou I, Elisaf M. Absence of SLC22A12 gene mutations in Greek Caucasian patients with primary renal hypouricaemia. <i>Scand J Clin Lab Invest.</i> 2007;67(6):589-95.
13	Tzovaras VT, Psihogios NG, Kostara CE, <u>Bairaktari ET</u> , Elisaf MS. Evaluation of the proximal tubular function in individuals with primary renal hypouricemia: an NMR-based metabonomic study. <i>NMR Biomed.</i> 2009 Dec;22(10):1072-83
14	Kostapanos MS, Milionis HJ, Filippatos TD, Christogiannis LG, <u>Bairaktari ET</u> , Tselepis AD, Elisaf MS. Dose-dependent effect of rosuvastatin treatment on HDL-subfraction phenotype in patients with primary hyperlipidemia. <i>J Cardiovasc Pharmacol Ther.</i> 2009 Mar;14(1):5-13.
15	Kostara CE, Papathanasiou A, Cung MT, Elisaf MS, Goudevenos J, <u>Bairaktari ET</u> . Evaluation of established coronary heart disease on the basis of HDL and non-HDL NMR lipid profiling. <i>J Proteome Res.</i> 2010 Feb 5;9(2):897-911
16	Tsiafoulis CG, Exarchou V, Tziouva PP, <u>Bairaktari E</u> , Gerothanassis IP, Troganis AN. A new method for the determination of free L-carnitine in serum samples based on high field single quantum coherence filtering ¹ H-NMR spectroscopy. <i>Anal Bioanal Chem.</i> 2011 Feb;399(6):2285-94.
17	Kostara CE, Papathanasiou A, Psihogios N, Cung MT, Elisaf MS, Goudevenos J, <u>Bairaktari ET</u> . NMR-based lipidomic analysis of blood lipoproteins differentiates the progression of coronary heart disease. <i>J Proteome Res.</i> 2014 May 2;13(5):2585-98.
18	Kostara CE, Tsimihodimos V, Elisaf MS, <u>Bairaktari ET</u> . NMR-Based Lipid Profiling of High Density Lipoprotein Particles in Healthy Subjects with Low, Normal, and Elevated HDL-Cholesterol. <i>J Proteome Res.</i> 2017 Apr 7;16(4):1605-1616.

Chapter in Book

Kostara Ch., Bairaktari ET. "Lipid profiling in health and disease" in "Methodologies for Metabolomics: Experimental Strategies and Techniques". Lutz N, Sweedler J and Wevers RA, Eds., Cambridge University Press, 2012 . ISBN:9780521765909.