

Curriculum Vitae

Maja Živković, PhD, Full Research Professor

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Date and place of birth: 10.05.1972., Belgrade, Yugoslavia

Education:

2006. PhD in University of Belgrade, Faculty of Biology
2002. MSc in University of Belgrade, Faculty of Biology, Department of Molecular Biology and Biochemistry.
1999/2000. Entered postgraduate studies in group of Molecular biology and biochemistry, Faculty of Biology, University of Belgrade.
1998. BSc: University of Belgrade, Faculty of Biology, Department of Molecular Biology and Physiology, Group of Experimental Biomedicine.

Position:

2017. Director of the Laboratory for Radiobiology and Molecular genetics, Vinča Institute of Nuclear Sciences, University of Belgrade, Belgrade
2014. Full Research Professor
2010. Associate Research Professor
2009-ongoing Professor at PhD study program "Molecular biology of multifactorial diseases", Faculty of Biology, University of Belgrade, Belgrade, Serbia
2007. Assistant Research Professor
2002. Research assistant
1999. Research trainee

Collaboration:

U 2002. short-term fellowship for BRC Institute of Genetics, Szeged, Hungary, for participation in project "Population genetic studies by the means of mitochondrial DNA and Y chromosome specific markers from ancient bones".

2004. Participation in collaboration with Baker Heart Research Institute, Department for Diabetic Complications, Melbourne, Victoria, Australia, on project “Role of the renin-angiotensin system in ureteric and renal disorders”.

2004. Participated in: European Commission Framework Programme: Equal Project (EC4): Multi-National External Quality Assay (EQA) Programmes in Clinical Molecular Diagnostics based on Performance and Interpretation of PCR assay including dissemination and training, supported by the European Community within the FP6 program.

2008. Bilateral project with Croatia, Genetics of Multiple sclerosis

2009. Bilateral project with Slovenia, Genetics of Multiple sclerosis

2013. Collaboration with AREA Science Park, Cluster in Biomedicine, Bazzovica, Trieste, Italy, Topic: Analysis of microarray data

Participation in Scientific Projects:

2011- ongoing Integral study of identification of regional genetic and environmental risk factors for human noncommunicable diseases in population of Serbia, WP1- Human genetic epidemiology, clinical & biochemical parameters, Workpackage leader. Project funded by Serbian Ministry of Education and Science

2011-ongoing Genetic basis of Human Inflammatory and Vascular Diseases, Senior researcher. Project funded by Serbian Ministry of Education and Science, Head dr Aleksandra Stankovic

2008-2009. Application of Radiational and Genetic Epidemiology in risk assessment for non-communicable diseases in population of Obrenovac Municipality, funded by Republic Ministry of Science and Environmental protection, Head Dr Maja Živković

2006.-2010. Genetic epidemiology and pharmacogenomics of Vascular Diseases, funded by Republic Ministry of Science and Environmental protection, Head Dr Dragan Alavantić

1999-2001. Genetics of cardiovascular diseases, funded by Republic Ministry of Science and Technology, Head Dr Dragan Alavantić

European Grants

2012 FP7: "CITI-SENSE", FP7th FP7-ENV-2012, Grant Agreement No.: 308524, (2012-2016), participant

2014 First "ERACHairs" FP7th IP/14/125 Grant agreement No. 621375 (2014-2019), participant

Research

Research Design:

The candidate gene approach: The SNP analysis and association of SNPs with gene expression; The haplotype analysis; The association of haplotypes with gene expression
Micro RNA analysis. The whole genome analysis on microarray scanner: Whole genome expression analysis; GWAS for SNPs, whole genome methylation analysis

The case-control and case-case design for human studies and experimental design in animal models. The exposed cell culture design. Strong collaboration with clinicians.

Research Topics: Primarily genomics, but also combining with epigenetics and proteomics.

Current research: Genetic basis of human inflammatory and vascular disease

Common and rare allele variants in association with susceptibility/outcome of the disease. The gene expression and protein expression of cytokines, chemokines, growth factors and other important molecules in inflammatory pathways in human target tissues (atherosclerotic plaque and blood, MS blood and CSF, CKD blood, urine, kidney and urinary tract tissue) and experimental animal (rat) tissues. Global methylation analysis of the DNA.

Awards

2007. Award for the best PhD thesis in Serbian Universities, for the year 2006/2007, given by the Serbian Biological Society

2014. Annual award of the Institute of Nuclear science VINCA, category: senior researcher in basic sciences

Participation in Education

Participated in education of 6 postgraduate students in the field of genetic epidemiology.

Participated in realization of five PhD thesis, Mentor of two PhD thesis

Memberships:

1. Member of the: European Society of Atherosclerosis, EuroScience Open Forum, European Association for the Study of Diabetes, Society of Researchers Vinča, Serbian Biological Society; Serbian Biochemical Society, Serbian Physiological Society, Serbian Genetics Society

Publications:

Original Articles in International Journals (PUBMED): 52

Original articles in National Journals: 5

In extenso papers: 2

Books in Serbian: 1

Meetings and reports on International Conferences: 80

Foreign languages: English fluent, Russian (reads)

Computer skills: Windows, iOS, Java, Statistical softwares...

Hobby: music, film