

Curriculum Vitae

Aleksandra Stankovic PhD, full research professor

The Institute of Nuclear Sciences "Vinca", University of Belgrade
Laboratory for Radiobiology and Molecular Genetics
P.O. Box 522
11001 Belgrade
Serbia
Phone: +381113408132
Fax: +381-11-6447485
e-mail: alexas@vinca.rs ; aleksandradstankovic@gmail.com
Date and place of birth: 27.11.1964., Belgrade, Yugoslavia

Education:

2005. PhD in University of Belgrade, Faculty of Biology, Molecular Biology, PhD thesis: "Gene expression profiling and genetic epidemiology analysis of genes involved in development and/or progression of congenital anomalies of kidney and urinary tract in children".
2000. MSc in University of Belgrade, Faculty of Biology, Department of Molecular Biology and Biochemistry.

Position:

2014-ongoing Deputy Director of the Laboratory for Radiobiology and Molecular genetics, Vinča Institute of Nuclear Sciences, University of Belgrade, Belgrade
2009 Professor at PhD study program "Molecular biology of multifactorial diseases", Faculty of Biology, University of Belgrade, Belgrade, Serbia
2012. full research professor, permanently employed.

Collaboration:

2004. Baker Heart Research Institute, Department for Diabetic Complications, Melbourne, Victoria, Australia
2005. University Hospital Erlangen, Childrens and Adolescents Hospital, Erlangen, Germany.
2008. Medical Faculty University of Rijeka, Croatia,
2009. Medical Faculty University of Ljubljana, Slovenia
2013. AREA Science Park, Cluster in Biomedicine, Bazzovica, Trieste, Italy,
2015. Medical Genetics Laboratory, Russian Research Centre of Surgery RAMS 2, Moscow, Russia
2017. Medical Genetics, The Victor Babes University of Medicine and Pharmacy, Timisoara, Romania
2017. Division of Nephrology, Columbia University, College of Physicians and Surgeons, New York, USA

Participation in Scientific Projects:

2011- ongoing. “Genetic basis of vascular and inflammatory human diseases” funded by Republic Ministry of Science and Technology, Serbia (Project OI 175085), Project leader

2011- ongoing. »An integral study to identify the regional genetic and environmental risk factors for the common noncommunicable diseases in the human population of Serbia« funded by Republic Ministry of Science and Technology, Serbia (Project III 41028), Principal Investigator

2008-2009. “Development and application of genetic test for estimation of risk for loss of kidney function in children in Serbia” funded by Republic Ministry of Science and Technology, Serbia (Project TR 23041), Project leader

2008-2009. “Application of Radiation research and Genetic epidemiology in estimation of risk of chronic noncommunicable diseases in population of Obrenovac Municipality” funded by Republic Ministry of Science and Technology, Serbia (Project TR 23040), Principal Investigator

European Grants:

2012-2016. Investigator: “CITI-SENSE”, “Development of sensor-based Citizens' Observatory Community for improving quality of life in cities " ; FP7th FP7-ENV-2012, Grant Agreement No.308524.

2014-2019. "Strengthening of the MagBioVin Research and Innovation Team for Development of Novel Approaches for Tumour Therapy based on Nanostructured Materials", First "ERACHairs" FP7th IP/14/125 Grant agreement No. 621375, Group leader: “Group for biological response to applications of MNPs in therapy”

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

2016. Annual award of the Institute of Nuclear science VINCA, Category: Award for excellence in basic sciences research for senior researcher

Other experience and memberships:

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

Member and lecturer of specific science festival “Open doors of the Vinča Institute” (2009-2014);

Member of the team “Research at Vinča Institute-for beginners” (2008-2009)

Participation in Education

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

Participated in realization of 10 PhD thesis, Supervisor of 5 MSc and 5 PhD students,

Publications:

Original Articles in International Journals (PUBMED): 52

Original articles in National Journals: 5

In extenso papers: 2

Meetings and reports on International Conferences: 80

Foreign languages: English fluent, Russian (reads)

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

Hobby: singing in choir, applied arts