

Prof. dr. sc. Tatijana Zemunik

Scientific Personal Identification Number: 202381

Education: Ph.D., University of Zagreb School of Medicine, Croatia, 1997.
M.Sc., University of Zagreb School of Medicine, Croatia, 1994.
M.D., University of Zagreb School of Medicine, Croatia, 1988.

Work Experience: 1992-2013 Research associate / Higher research assistant / Assistant professor / Associate professor / Full professor, University of Split School of Medicine, Department of biology
1990-1992 Physician, Health Center: Dr. Peter Vitezica, Split, Emergency medical services Split

Awards: The best teaching text at the Split School of Medicine in the academic year 2009/2010.
Award for the first author of the highest impacted CC paper published at the School of Medicine Split in the academic year 2004/2005.

Projects:

- Primary investigator of the scientific research project "Identification of new genetic loci implicated in regulation of thyroid and parathyroid function", Croatian Science Foundation No 1489.
- Collaborator in the scientific research project "Genome-wide association analysis of Hashimoto thyroiditis", Croatian Science Foundation No 4950, primary investigator dr. V. Boraska Perica, professor
- Primary investigator of the scientific project "Genetic epidemiology of diabetes mellitus type 1 in the Croatian population", MZOŠ No. 216-1080315-0293. – Project is part of the program "Croatian Biobank: resource for analyzing health and disease determinants in population. We investigated genetics of type 1 diabetes through a series of candidate-gene studies. 2007. – December 2013.
- Collaborator in the scientific project "Pathobiochemistry of glycosphingolipid antigens" MZOŠ No. 216-2160133-0066, primary investigator dr. A. Markorić, professor. Currently, we investigate survival of cancer cells after treatment with newly developed phospholipase C inhibitors. 2007. - December 2013.
- Primary investigator of the scientific project "A genetic study of type 1 diabetes in Dalmatian population" MZOŠ No. 0216011. 2002-2007.
- Collaborator in the technology research and development project "Optimization of factors affecting the regeneration of liver", MZOŠ No. TP-01/0216-04 primary investigator dr. A. Markorić, professor. 2001-2003.
- Primary investigator of the project for young scientists „Adolescence and its effects on offspring in rats" MZT No. 108-529. 1998-2001.
- Collaborator in the scientific project "Adolescent pregnancy and neurobiological development of the rats" MZT No. 108-178, primary investigator dr. M. Peruzović, professor. 1997-2001.

Reviewer for 9 Journals indexed in CC/SCI.

Member of Editorial board: Wudpecker Journal of Medical Sciences

Co-author of book chapter: Zemunik T and Boraska V. "Genetics of Type 1 Diabetes", Type 1 Diabetes - Pathogenesis, Genetics and Immunotherapy, ISBN: 978-953-307-362-0, InTech, November, 2011

Expertise:

Since 2002 Prof. Zemunik's scientific research has been focused on investigation of genetic basis of type 1 diabetes. She was principal investigator of three research projects funded by the Croatian Ministry of Science, Education and Sport. Two of these projects investigated genetics of type 1 diabetes through a series of candidate-gene studies. She was a founder of a type 1 diabetes biobank that collected biological samples and relevant phenotype data from trio families with a child with type 1 diabetes from whole Croatia. As a collaborator on the Croatian Biobank programme, project "10,001 Dalmatians", Prof. Zemunik gained expertise in large-scale sample management and DNA isolation,

phenotyping and genetic analyses. She is a member of several consortia and a co-author on valuable papers that identified genetic loci that underlie biological background of many biologically complex traits. She was one of co-founders of the Croatian Centre for Global Health at the University of Split School of Medicine.

Prof. Zemunik has published 79 publications and was cited 2100 times. Twenty three of these publications are published in the 10% of the best journals in the field (Q1).