

**Vesela Torlak, Ph.D.****Academic title:** Ph.D.**MZOŠ number:** 287084**Work address:** University Hospital Split, Clinical Department of Nuclear Medicine  
Spinčićeva 1, 21000 Split, Croatia  
Tel: +385 21 556 105; E-mail: veselakbsplit@yahoo.com**Languages:**

Croatian (native), English (proficient), German (basic)

**Education:**

2012 - PhD, University of Split, Faculty of Chemical Technology

2005 - MSc, University of Split, Faculty of Chemical Technology

1985 - Bachelor of Science, University of Split, Faculty of Chemical Technology

**Additional education:**2007 University Hospital Split, Split, Croatia, European School of Nuclear Medicine:  
Laboratory procedures on Department of Nuclear Medicine2007 Edinburgh, UK, MRC, Human Genetics Unit, Western general Hospital  
Specifics of some techniques of molecular biology

2005 Opatija, Croatia, European School of Nuclear Medicine: Thyroid cancer

1998 London, GB, Laboratory of general hospital Specifics of modern technologies in  
biochemistry and chemistry**Work Experience:**1992-2013 Clinical engineer of biochemistry, Department of Nuclear Medicine,  
University Hospital Split1986-1992 Technologist specialist, Developmental Dept for Car Plastics,  
Termoplastika, Solin**Expertise:** PhD V. Torlak has more than 20 years of experience as biochemist at the Department of Nuclear Medicine, University Hospital Split. In the last ten years she has been a collaborator on two scientific projects led by prof. Zemunik. These projects have investigated genetics of type 1 diabetes through a series of candidate-gene studies and she performed her PhD thesis on this topic. She has also participated on the Croatian Biobank programme, project "10,001 Dalmatians". Through her scientific interest in this field she gained expertise in large-scale sample management and DNA isolation. She has published 6 scientific papers, one of them is in the 10% of the best in the field. She has been cited 77 times.**Projects:**

2002-2007. - collaborator of the scientific project "A genetic study of type 1 diabetes in Dalmatian population" MZOŠ No. 0216011., primary investigator dr. Tatijana Zemunik, professor.

2007. - 2014 - collaborator of the scientific project "Genetic epidemiology of diabetes mellitus type 1 in the Croatian population", MZOŠ No. 216-1080315-0293, primary investigator dr. Tatijana Zemunik, professor - 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. Currently, we investigate association of genetic variants with other complex traits.

2007. - 2014 - collaborator in the scientific project "Pathobiochemistry of glycosphingolipid antigens" MZOŠ No. 216-2160133-0066, primary investigator dr. A. Markorić, professor. We investigated survival of MDA-MB-231 (breast cancer cells) and Du145 (prostate cancer cells) after treatment with newly developed (by Johannes Reynisson and David Barker from University of Auckland, New Zealand) phospholipase C inhibitors. Currently, we investigate survival of MDA-MB-231 (breast cancer cells) and Du145 (prostate cancer cells) after treatment with newly developed (by Johannes Reynisson and David Barker from University of Auckland, New Zealand) phospholipase C inhibitors.

2014 - current - collaborator in scientific research project financed by Croatian Science Foundation, Genome-wide association analysis of Hashimoto thyroiditis, leader Vesna Boraska Perica

2014 – current - collaborator in scientific research project financed by Croatian Science Foundation, Identification of new genetic loci implicated in regulation of thyroid and parathyroid function, leader Tatijana Zemunik