



POLONA ŽIGON

Country: Slovenia

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Year of birth: 1978

Mains diplomas:

1.10.1996-23.10.2002

Bachelors of Science (B.Sc.) degree (Microbiology)

University of Ljubljana, Biotechnical Faculty, Graduate program in Microbiology

Detection of Phosphatidylserine-dependent Anti-Protrombin Antibodies with Enzyme Linked Immunosorbent Assay (advisor prof. Alojz Ihan, Ph.D.)

1.10.2004 Æ 8.12.2008

Masters of Science (M.Sc.)

University of Ljubljana, Faculty of Pharmacy

Characteristics of Antiprothrombin Antibody Binding *in vitro* and *in vivo*
(advisor: prof. Borut Božič, Ph.D.)

1.9.2009 Æ 1.7.2014

Ph.D. . Clinical Biochemistry and Laboratory Biomedicine

University of Ljubljana, Faculty of Pharmacy

Antiprothrombin Antibodies Binding Using *in vitro* and *ex vivo* Models Indicate their Clinical Relevance for Autoimmune Patients. (advisor: prof. Borut Božič, Ph.D.)

Current position and current hospital/university:

Analyst in laboratory biomedicine, University Medical Centre Ljubljana, Slovenia

Position within EULAR/international experience:

EMEUNET member since 2012, EMEUNET working group member since 2017

International experience:

- Sep 2006 Feb 2007: Department of Medicine II, Hokkaido University Graduate School of Medicine Sapporo, Japan. Supervisor: Prof. Dr. Takao Koike.

Role as EMEUNET working group member:

Social Media Subgroup

Areas of Research/Interest:

Laboratory methodology for diagnostic evaluation of APS, SLE, RA, Vasculitis.

Keywords: antiphospholipid syndrome, systemic lupus erythematosus rheumatoid arthritis, vasculitis

Selected Publications :

1. Zigon P, Ambrozic A, Cucnik S, Kveder T, Rozman B, Bozic B. Modified phosphatidylserine-dependent antiprothrombin ELISA enables identification of patients negative for other antiphospholipid antibodies and also detects low avidity antibodies. *Clin Chem Lab Med.* 2011;49(9):1573.
2. Zigon P, Ambrozic A, Mali P, Tomsic M, Sodin Semrl S, Cucnik S. The Prevalence and Clinical Significance of Iga Anti-Phosphatidylserine/ Prothrombin Antibodies in Systemic Autoimmune Diseases. *Immunome research.* 2017;13:130.
3. Zigon P, Bozic-Mijovski M, Frank Bertoncej M, Ambrozic A, Tomsic M, Hocevar A, et al. Laboratory Methodology Important in the Diagnosis and Prognosis of Antiphospholipid Syndrome. In: (Ed.) DMB-M, editor. *Thrombosis, Atherosclerosis and Atherothrombosis - New Insights and Experimental Protocols.*; InTech, Available from: <http://www.intechopen.com/books/thrombosis-atherosclerosis-and-atherothrombosis-new-insights-and-experimental-protocols/laboratory-methodology-important-in-the-diagnosis-and-prognosis-of-antiphospholipid-syndrome>; 2015.
4. Zigon P, Cucnik S, Ambrozic A, Kveder T, Semrl SS, Rozman B, et al. Detection of Antiphosphatidylserine/Prothrombin Antibodies and Their Potential Diagnostic Value. *Clinical and Developmental Immunology.* 2013;2013:8.
5. Zigon P, Cucnik S, Ambrozic A, Sodin Semrl S, Kveder T, Bozic B. Antibodies to phosphatidylserine/prothrombin complex as an additional diagnostic marker of APS? *Lupus.* 2012;21(7):790-2.
6. Zigon P, Lakota K, Cucnik S, Svec T, Ambrozic A, Sodin-Semrl S, et al. Comparison and evaluation of different methodologies and tests for detection of anti-dsDNA antibodies on 889 Slovenian patients' and blood donors' sera. *Croatian medical journal.* 2011;52(6):694-702.
7. Zigon P, Perdan Pirkmajer K, Tomsic M, Kveder T, Bozic B, Sodin Semrl S, et al. Anti-Phosphatidylserine/Prothrombin Antibodies Are Associated with Adverse Pregnancy Outcomes. *J Immunol Res.* 2015;2015:975704.
8. Amengual O, Forastiero R, Sugiura-Ogasawara M, Oku K, Otomo K, Alves J, et al. International multi-centre study to evaluate the clinical significance of phosphatidylserine-dependent antiprothrombin antibodies for the diagnosis of antiphospholipid syndrome. *EULAR: Ann Rheum Dis* 2014.
9. Lakota K, Zigon P, Mrak-Poljsak K, Rozman B, Shoenfeld Y, Sodin-Semrl S. Antibodies against acute phase proteins and their functions in the pathogenesis of disease: a collective profile of 25 different antibodies. *Autoimmunity reviews.* 2011;10(12):779-89.
10. Oku K, Amengual O, Zigon P, Horita T, Yasuda S, Atsumi T. Essential role of the p38 mitogen-activated protein kinase pathway in tissue factor gene expression mediated by the phosphatidylserine-dependent antiprothrombin antibody. *Rheumatology (Oxford).* 2013;52(10):1775-84.

Date of last update of the CV: Sep 2017