

BARBORA KONEČNÁ, MSc, PhD.

Personal Info:

Date of birth: 29.9.1988; Place of birth: Bratislava, Slovak republic; Nationality: Slovak;
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Professional curriculum vitae:

Education

- 2008-2013 MSc, Biomedical Physics, Faculty of Mathematics, Physics and Informatics, Comenius University, Bratislava, Slovakia (Bachelor thesis: Paraoxonase and the effect of administering fenofibrates on its level)
- 2008-2013 MSc, Biomedical Physics, Faculty of Mathematics, Physics and Informatics, Comenius University, Bratislava, Slovakia (Diploma thesis: Prevention of Oxidative Modification of Proteins by Oils Containing Polyunsaturated Higher Carboxylic Acids)
- 2013-2017 PhD, Normal and Pathological physiology, Institute of Pathophysiology, Faculty of Medicine, Comenius University, Bratislava, Slovakia (Dissertation thesis: Immune activation of nucleic acids: A role in pregnancy complications)

Employment

- 2017- postdoc researcher, Institute of Molecular Biomedicine, Faculty of Medicine, Comenius University, Bratislava, Slovakia

Publication record

SCI citations according to Web of Science (without self-citations): 207, h-index: 8

Grants as principal Investigator

Comenius University Grants

UK/147/2015

Effects of nucleic acids and other substances on the development of preeclampsia symptoms in the animal model

VEGA grant – 1/0674/21 – grant of Ministry of Education, Science and Sport of the Slovak Republic

A model of colitis from the point of view of biophysics as a contribution to the understanding of inflammatory bowel diseases

Grants as co-investigator

APVV grant – PP-COVID-20-0019 – grant of Slovak Research and Development Agency

Intelligent monitoring of wastewater in order to create a system of early warning of the population of the Slovak Republic against the spread of COVID-19

APVV grant – APVV-18-0366 – grant of Slovak Research and Development Agency
The role of NETosis in the etiopathogenesis of rheumatoid arthritis

APVV grant – APVV-18-0287 – grant of Slovak Research and Development Agency
Non-invasive yet unused markers of renal function: problems, causes and opportunities

APVV grant – APVV-16-0273 – grant of Slovak Research and Development Agency
Deoxyribonuclease activity in plasma and its role in the cleavage of extracellular DNA

APVV grant – APVV-15-0343 – grant of Slovak Research and Development Agency
The biological effects of quantitative and qualitative changes of extracellular nucleic acids

Research stay

January 2015 - May 2016 Krefting Research Centre, University of Gothenburg, Gothenburg, Sweden – financed by National Scholarship Programme for 6 months, followed by Krefting Research Centre financial support

October 2019 - April 2020 Beth Israel Deaconess Medical Centre, Harvard University, Boston Massachusetts - financed by National Scholarship Programme for 6 months