

MICHAL PASTOREK, MSc. PhD.

Personal info:

Date of Birth: 5.5.1986; Place of Birth: Bratislava, Slovak republic; Nationality: Slovak; Foreign languages: English

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Education and employment

Education

- 2003-2009 MSc, molecular biology, Department of Molecular Biology, Faculty of Natural Sciences, Comenius University, Bratislava, Slovakia
- 2009-2014 PhD, Oncology, Faculty of Medicine, Comenius University, Bratislava, Slovakia, thesis accomplished at the Cancer Research Institute, Slovak Academy of Sciences, Laboratory of Tumor Immunology

Employment

- 2014-2015 researcher, Centre for Molecular Medicine, Slovak Academy of Sciences, Bratislava
- 2015-2018 Postdoc at the Regional Centre for Applied Molecular Oncology, Masaryk Memorial Cancer Institute, Brno, Czech Republic
- 2018- Postdoc at the Institute of Molecular Biomedicine, Medical Faculty, Comenius University in Bratislava

Science

Publication history and grant support as a principal investigator

<http://www.researcherid.com/rid/R-4863-2018>

Number of publications according to WoS: 38

Number of citations according to WoS: 391

H index according to WoS: 12

Grants (principal investigator)

HORIZON-HLTH-2023-DISEASE-03-07 – grant 101137484 - Biomarkers established to stratify sepsis long-term adverse effects to improve patients' health and quality of life (BEATsep)

APVV-21-0378 grant - Understanding the Role of Infectious and Sterile Inducers of Neutrophil Extracellular Traps in Sepsis

1/0716/20 VEGA grant - Causes and effects of NETosis in sterile inflammation - flow cytometry analysis

Scientific interests

Innate immunity and neutrophil activation, neutrophil extracellular traps, extracellular DNA, pathology of autoimmune diseases, pathophysiology of sterile inflammation, extracellular vesicles

Theoretical and language skills

Molecular and cell biology, Immunology

Microsoft office, Image J, Graphpad statistics, flow cytometry data analysis (FCS Express)

English – fluent in speaking and writing (B2- C1)

Technical and methodical skills

Flow cytometry (methods and technical support)

Molecular biology techniques (DNA/RNA isolation, PCR techniques)

Immunodetection methods (immunofluorescence, Western blotting)

Cell culture methods

Teaching

Medical faculty CU (Introduction to science, 2019-); Faculty of natural sciences CU (Basics of theoretical and experimental medicine 2019-, Progress in molecular biology, 2019-2020); Faculty of mathematics, physics and informatics CU (Laboratory methods in biomedicine 2022-)

Fellowships and workshops

2014 (1 week) – Beckton Dickinson Benelux, Erembodegem-Dorp 86, 9320 Aalst, Belgiu

2010 (1 week) – FEBS workshop on Molecular Biology of Cancer, Algarve, Portugal

2009 (2 months) – University Faculty of Agronomic Sciences, Gembloux, Belgium, laboratory of Dr. Franck Dequiedt

Memberships and others

Member of the **BEATSep** consortium for the Comenius University (focused on the investigation of post-intensive care syndrome after surviving septic shock). Member of FEBS, Comenius University Rector's award for an outstanding Diploma Thesis 2009, 1st place in the Competition of Young Oncologists, category of University students, Cancer Research Institute, Slovak Academy of Sciences 2008.