

**Mgr. Anton Mišák, PhD.**

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## **Curriculum vitae**

### **8.7.2022**

#### **Educational attainment:**

**2014**

PhD. in Biophysics, Faculty of Science, Pavol Jozef Safarik University in Kosice, Slovak Republic

**2010**

Mgr., Master's degree program in Biomedical Physics (field: Physics and General medicine), Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, Slovak Republic

**2008**

Bc., Bachelor's degree program in Biomedical Physics (field: Physics and General medicine), Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, Slovak Republic

#### **Science student/professional experience:**

**January 2016 – present**

Junior research fellow and Senior research fellow (from December 2019) – Institute of Clinical and Translational Research, Biomedical Research Center, Slovak Academy of Sciences in Bratislava

**May 2015 – December 2015**

Junior research fellow – Center for Molecular Medicine, Slovak Academy of Sciences in Bratislava

**September 2014 – April 2015**

Junior research fellow – Laboratory of Intracellular Ion Channels, Department of Cell Physiology and Genetics, Institute of Molecular Physiology and Genetics, Slovak Academy of Sciences in Bratislava

**2010 - 2014**

PhD. degree studies – Laboratory of Intracellular Ion Channels, Department of Cell Physiology and Genetics, Institute of Molecular Physiology and Genetics, Slovak Academy of Sciences in Bratislava

**2008 - 2010**

Mgr. degree studies – Laboratory of Photobiophysics, Division of Biomedical Physics,

Department of Nuclear Physics and Biophysics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava

### **2005 - 2008**

Bc. degree studies – Laboratory of Photobiophysics, Division of Biomedical Physics, Department of Nuclear Physics and Biophysics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava

### **Science practical skills:**

- separation and purification procedures focused on the preparation of intracellular membrane vesicles from the rat heart
- preparation of artificial lipid membranes (bilayer lipid membranes)
- electrophysiological methods of ion channel research - measurement of intracellular ion channels characteristics by the method of ion channel reconstitution into an artificial lipid membrane
- absorption and fluorescence spectrometric methods used in *in vitro* and *in vivo*
- measurement of arterial pulse waveforms in an animal model and their further processing

### **Study stays abroad:**

5-week stay (September - October 2012), Institut de Chimie et des Matériaux Paris-Est, ICMPE, France

3-week stay (May - July 2013), Institut de Chimie et des Matériaux Paris-Est, ICMPE, France

### **Certificates and further education:**

Certificate of completion of the education program Protection of animals used for scientific or educational purposes accredited according to requirements of the Directive 2010/63/EU of the European Parliament and of the Council. Module: design and performance of procedures and projects (specification for rodents and rabbits). July 2019, Bratislava, Slovak Republic

### **Awards:**

**2017** – Stefan Schwarz’s fellowship for postdoctoral researchers

**2014** – European Bioenergetics Conference (EBEC) - EBSA fellowship

### **Grants:**

**APVV-15-0565** – partnership project coordinator (principal investigator Institute of Normal and Pathological Physiology, Centre of Experimental Medicine of the Slovak Academy of Sciences, project title: New regulatory effects of nitric oxide and their role in the development of essential hypertension, project duration: 2016-2020)

**VEGA-2-0091-21** – principal investigator, project title: The importance of interaction products of H<sub>2</sub>S with S-nitrosoglutathione/selenium derivatives in the regulation of cardiovascular hemodynamics and cardiac mitochondrial functions, project duration: 2020-2024)

### **Overall publication and citation statistics:**

The total number of publications up to 8.7.2022: 24

The total number of citations according to the WOS (with/without self-citations): 240/195

H-index according to the WOS: 9

### **Research Society memberships:**

**2011 - present**

Slovak Biophysical Society (SKBS)

### **Language skills**

- English (advanced)