# **Curriculum Vitae**

Name: Stanislava Vrankova (Kojsova), RNDr., PhD.
Date and place of birth: October 10, 1979, Trnava, Slovak Republic
Nationality: Slovak
Marital status: married, 1 child
e-mail: stanislava.vrankova@savba.sk

# **Education and qualification**

- 2001: Bc. Degree, Department of Molecular Biology, Faculty of Natural Sciences, Comenius University, Bratislava, Slovak Republic
- 2003: Master degree, Department of Molecular Biology, Faculty of Natural Sciences, Comenius University, Bratislava, Slovak Republic
- 2004: RNDr. (Doctor of Natural Sciences), Department of Molecular Biology, Faculty of Natural Sciences, Comenius University, Bratislava, Slovak Republic
- 2008: PhD., philosophiae doctor, Faculty of Medicine, Comenius University, Bratislava, Slovak Republic

# Present affiliation:

 2003 - present: scientific worker, Department of Neuro-cardiovascular Interactions, Institute of Normal and Pathological Physiology, Centre of Experimental Medicine, Slovak Academy of Sciences, Bratislava, Slovak Republic

## Honorary appointments

- 2011-2013: member of the scientific board of the Institute of Normal and Pathological Physiology, SAS, Bratislava
- 2019-present: member of the scientific boad of Centre of Experimental Medicine, SAS, Bratislava

## **Research experiences:**

 research is devoted on signaling pathways that may affect different mechanisms of the cardiovascular and nervous system, monitoring the mechanisms leading to the development and maintenance of high blood pressure, analysis of new substances contributing to the prevention and treatment of hypertension, metabolic syndrome and depression

- acute and chronic experiments in animal models (preparation, administration of substances, blood pressure measurement, behavioral testing, tissue preparation for biochemical and molecular analyzes)
- tissue samples analysis (assessment of enzymatic activity, real-time PCR, Western blot)

#### Teaching and supervising activities

• 2 PhD. students and 3 pre-graduate students

## Research and study stays

- 2004: Institute of Biomedicine, Pharmacology, Biomedicum Helsinki, Helsinki, Finland
- 2006: University of Debrecen, Medical and Health Science Center, Faculty of Medicine, Institute of Cardiology, Division of Clinical Physiology, Debrecen, Hungary
- 2006: Pavlov Institute of Physiology, Russian Academy of Sciences, St. Petersburg, Russia
- Institute of Physiology CAS, Prague, Czech Republic

# Publications

- Number of papers in journals with IF: 26
- Number of book chapters: 6
- Number of independent citations: 488
- Hirsch-Index (WoS): 12

## Awards

- 2004: Award for the best poster, 9th Congress of the Slovak Society of Cardiology, Bratislava
- 2005: Award for the best poster in the section "Endothelial dysfunction", 25<sup>th</sup> European Meeting of International Heart Research, Tromso
- 2006: Award of the Society for Higher Brain Functions for the best publication
- 2007: Antal Prize of the Institute of Normal and Pathological Physiology SAS for young researchers in physiology
- 2008: Award for the 2<sup>nd</sup> best poster, 13<sup>th</sup> Congress of the Slovak Society of Cardiology, Bratislava
- · 2009: Award of the Slovak Physiological Society for the best publication
- 2011: Award of the Slovak Physiological Society for the best publication
- 2013: Award of the Slovak Academy of Sciences for the scientific team of the Institute of Normal and Pathological Physiology SAS led by Dr. Olga Pechanova, DrSc.

# **Research Projects**

principal investigator:

• 2011-2013: The role of nuclear factor kappa B in experimental hypertension (Slovak Grant Agency for Science, VEGA No. 2/0190/11)

• 2015-2017: Nitric oxide and brain redox status in an experimental neurodevelopmental model of schizophrenia (Slovak Grant Agency for Science, VEGA No. 2/0165/15)

• 2018-2020: Crosstalk of metabolic factors and neurogenic signaling in experimental models of depression (Slovak Grant Agency for Science, VEGA No. 2/0151/18)

• 2021-2023: Comparison of antidepressant effects of natural psychoplastogen and an mTOR activator in animal model of depression (Slovak Grant Agency for Science, VEGA No. 2/0118/21)

co-investigator:

• 2008-2010: Hypertension and diabetes as the parts of metabolic syndrome: the effects of antioxidant therapy (APVV-0538-07)

• 2011-2014: The effect of aliskerin loaded nanoparticles in experimental hypertension (APVV 0742-10)

• 2015-2019: Interaction of nitrergic, neurotrophic and endocrine signaling in the etiopathogenesis of schizophrenia (APVV-14-0840)

• 2015-2019: Effects of nanoencapsulated simvastatin on cardiovascular system in experimental metabolic syndrome (APVV 14-0932)