**Curriculum vitae**

**Name: RNDr. Karol Ondriaš, DrSc.**

Date of birth: 30.03.1952, Zitavany, SR

Address: Institute of Clinical and Translational Research,

Biomedical Center, Slovak Academy Of Science.

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**Educational attainment:**

1998: DrSc., Biophysics, Comenius University, Faculty of Mathematics and Physics, Bratislava,

1985: PhD., Biophysics, Comenius University, Faculty of Mathematics and Physics, Bratislava,

1984: RNDr., Biophysics and Chemical Physics, Comenius University, Faculty of Mathematics and Physics, Bratislava,

1977: Mgr., Biophysics and Molecular Physics, Comenius University, Faculty of Science, Bratislava,

**Work stays abroad:**

2002, 1998 and 1997: Monthly research visits, Columbia University, College of Physicians & Surgeons, Center for Molecular Cardiology, New York, USA

1995-1996: Research assistant professor, The Mount Sinai Medical Center, Department of Molecular Medicine, New York, NY, USA

1992-1996: Working stay, The Mount Sinai Medical Center, Department of Molecular Medicine, New York, NY, USA

1988-1990: Postdoctoral Fellowship, University of Connecticut, Health Center, Department of Medicine, Farmington, CT, USA

1979-1980: 7th International Course - Selected Biological Areas, Szeged, Hungary, Study of the application of the electron paramagnetic resonance method in biology.

1977-1981: study stay, Slovak Academy of Sciences, Institute of Experimental Pharmacology, Bratislava, Slovak Republic

**International grants:**

FIRCA grant 2R03-TW00949-04A1; NIH USA (2002-2005): Coupled gating between intracellular calcium release channels. RNDr. Karol Ondriaš, DrSc .: Responsible researcher in Slovakia.

NATO grant LST.CLG979217; Brussels (2002-2004): Role of mitochondrial channels in cardioprotection. RNDr. Karol Ondriaš, DrSc .: Responsible researcher in Slovakia.

FIRCA grant 1-RO3-TW00949-01; NIH USA (1998-2001): Regulation of calcium release channels. RNDr. Karol Ondriaš, DrSc .: Responsible researcher in Slovakia.

**Professional experience:**

2016-present: Head of the scientific team, Institute of Clinical and Translational Research, Biomedical Center of the Slovak Academy of Sciences

2012-2016: Head of the Department of Cell Physiology and Genetics at the Institute of Molecular Physiology and Genetics SAS, Bratislava, Slovak Republic

1996-2011: Head of the Laboratory of Intracellular Ion Channels, Institute of Molecular Physiology and Genetics, Slovak Academy of Sciences, Bratislava, Slovak Republic

1990-1996: Researcher, Slovak Academy of Sciences, Institute of Experimental Pharmacology, Bratislava, Slovak Republic

1977-1990: Study stay: Institute of Experimental Pharmacology of the Slovak Academy of Sciences, Bratislava, Slovak Republic

**The most significant results:**

- In team work in the field of basic research to determine the antioxidant properties of biologically active substances that have reduced the negative effects of free radicals in biological systems.

- In the basic research of electrophysiology of membrane channels, finding out their cooperative behavior and the importance of this behavior in relation to pathological conditions of the cardiovascular system.

- Study of the biological properties of hydrogen sulfide and its interaction with nitric oxide, where the products of this interaction significantly affect many physiological and pathological processes of living organisms.

**Summary of scientific publishing activities:**

According to WOS, 13.02.2020:

Number of scientific publications: 181; Without self citations: 3389; h-index: 28.

According to Google Scholar, 13.02.2020: Citations: 4565; h-index: 30.

**Summary of popular publishing activity - book publications:**

- Communist Miracle vs BoPKoTi. 2015.

- Tunneling. 2009.

- Socialism versus capitalism. Games, sex and terrorism. 2005.

- Man alias programmed biological machine and his loves. 2002.

- Hahaha - In still life of blue victory flags. 2002.

- The gods of contemporary mythology and communism. 2000.

- The Velvet Revolution and the Rodeo of the Great Males. 2000.

- We, motroci XXI. century, this is how we swear. 1998

- General bullshit, facts and unanswered questions. 1997.

**Social activities:**

Member of the National Council of the Slovak Republic for the Communist Party of Slovakia in the years 2002-2006.

RNDr. Karol Ondriaš, DrSc.

In Bratislava 13.02.2020