

Marián Grman

CURRICULUM VITAE

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Contact

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Academic Achievements

2014 PhD, Biophysics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, Slovak Republic

2010 MSc, Biomedical Physics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, Slovak Republic

2008 BSc, Biomedical Physics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, Slovak Republic

Positions:

12/2017 -
scientific secretary – Biomedical Research Center of the Slovak Academy of Sciences in Bratislava, Slovak Republic

12/2017 -
senior researcher – Department of Molecular Physiology, Institute of Clinical and Translational Research, Biomedical Research Center of the Slovak Academy of Sciences in Bratislava, Slovak Republic

2016 - 2017
researcher – Department of Molecular Physiology, Institute of Clinical and Translational Research, Biomedical Research Center of the Slovak Academy of Sciences in Bratislava, Slovak Republic

05/2015 - 12/2015

researcher – Laboratory of Intracellular Ion Channels, Center for Molecular Medicine of the Slovak Academy of Sciences in Bratislava, Slovak Republic

09/2014 - 04/2015

researcher – Laboratory of Intracellular Ion Channels, Institute of Molecular Physiology and Genetics of the Slovak Academy of Sciences in Bratislava, Slovak Republic

2010 - 2014

PhD study – Laboratory of Intracellular Ion Channels, Institute of Molecular Physiology and Genetics of the Slovak Academy of Sciences in Bratislava, Slovak Republic

2008 - 2010

MSc study – Laboratory of Photobiophysics, Division of Biomedical Physics, Department of Nuclear physics and Biophysics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, Slovak Republic

2007 - 2008

BSc study – Laboratory of Photobiophysics, Division of Biomedical Physics, Department of Nuclear physics and Biophysics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava, Slovak Republic

Foreign Research Fellowships

2014 1 week research fellowship (February 2014) at the Department of Physiology, Institute for Biological Research "Siniša Stanković", University of Belgrade, 11060 Belgrade, Serbia, MAD

2013 COST STSM Action BM1005, 1 week research fellowship (April-May 2013) at the Laboratory of Dr. Péter Nagy of the Department of Molecular Immunology and Toxicology, National Institute of Oncology, Budapest, Hungary

Awards

- Award for Presentation at the Competition of Young Scientist, 8th Drobnicov memoriál, 23. - 25. 9. 2015, Horský hotel Smrekovica, Podsuchá. Appraiser: The Slovak Society for Biochemistry and Molecular Biology, Bratislava. Title of presentation: *The reaction mechanism and biological effects of products of H₂S-S-nitrosothiols interaction.*
- Supporting Fund of Štefan Schwarz for creation of Postdoc positions in Slovak Academy of Sciences (2016-2019).

Projects

2019 VEGA 2/0079/19 – *Biological effects of nitrosopersulfide and reactive sulfur species on mitochondria.* (Duration of the project: 2019 – 2022)

- 2016 VEGA 2/0146/16 – *Role of polysulfides in regulation of chloride channels and respiration of mitochondria*. (Duration of the project: 2016 – 2018)
- 2014 Comenius University Grant – UK/524/2014 – *The role of polysulfides in nitroso-sulfide signaling and their effect on mitochondrial chloride channels*. (Duration of the project: 2014)
- 2013 Comenius University Grant – UK/474/2013 – *S-nitrosylation of mitochondrial chloride channels of cardiomyocytes and the role of hydrogen sulfide in process of their denitrosylation*. (Duration of the project: 2013)
- 2012 Comenius University Grant – UK/502/2012 – *The study of redox regulation of mitochondrial chloride channels from cardiomyocytes*. (Duration of the project: 2012)

Memberships

- 2011 - The Slovak Biophysical Society

Certificates

- Certificate of Absolving of accredited educational program of next education: ***The protection of animals used for scientific purposes or educational purposes*** (according to requirements of Directive 2010/63/EU of the European Parliament). **Module: Practice of Procedures and Projects** (Design of Procedures – Rodents and Rabbits). June 22-23, 2015, Bratislava, Slovak Republic (Retraining 2. 7. 2019)

Workshops and Courses

- Advances in Single-Molecule Research for Biology & Nanoscience, Linz Winter School 2013, 12.-14.2.2013, Linz, Austria

Experimental Skills

- Isolation of mitochondria by differential centrifugation
- Measurement of intracellular ion channels by the method of reconstitution into the planar lipid membrane
- Absorption and fluorescence spectroscopy
- Mitochondrial respirometry

Computer Skills

- Microsoft Office (Word, Excel, PowerPoint, Outlook)
- SigmaPlot
- ImageJ

- ChemDraw
- CorelDRAW
- EndNote
- softwares of scientific devices
- many graphical and video editors, video compression
- backup / restore / reinstallation of OS, data recovering

Scientometric parameters

- Number of publications: 33
- Number of citations: 456 (Scopus), 558 WOS (without self-citations)
- *h*-index: 9 (Scopus), 12 (WOS)

Diploma students

- Jana Havlíková (2016)
 - Study programme: „*biomedical physics*“, Faculty of mathematics, physics and Informatics, Comenius University in Bratislava
 - Diploma thesis: „*Study of redox regulation of mitochondrial chloride channels from cardiomyocytes*“
- Daniela Lászlóvá (ongoing)
 - Study programme: „*biomedical physics*“, Faculty of mathematics, physics and Informatics, Comenius University in Bratislava
 - Diploma thesis: „*Effect of reactive sulfur species on mitochondrial bioenergetics*“

Foreign Languages

- english (advanced)
- german (basics)