

Curriculum vitae
Mgr. Barbora Chovancová
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Education:

- 2016- 2020 Faculty of Natural Sciences of Comenius University, Bratislava
PhD Study Program: Animal Physiology
Thesis: Calcium signaling in tumors.
Supervisor: prof. Oľga Križanová, D.Sc.
- 2014-2016 Faculty of Natural Sciences of Comenius University, Bratislava
Master Study Program: Animal Physiology and Ethology
Thesis: Effects of angiotensin II on *per2* and *clock* expression and activity
of renin-angiotensin system in the rat kidney.
Supervisor: Assoc. prof. Iveta Herichová, Ph.D.
- 2011-2014 Faculty of Natural Sciences of Comenius University, Bratislava
Bachelor Study Program: Biology
Thesis: Kidney Physiology: Renin-angiotensin system
Supervisor: Assoc. prof. Iveta Herichová, Ph.D.
- 2006-2011 Evangelical Lyceum – English bilingual high school, Bratislava

Work experience:

- 2020- present Slovak Academy of Sciences, Bratislava
Institute of Clinical and Translational Research
Scientist
- 6/2016-12/2016 The Research Institute of Petroleum and Petroleum Gass, Vúrup, a.s.,
Vlčie hrdlo 1, Bratislava
Special engineer
- 2011-2016 The Research Institute of Petroleum and Petroleum Gass, Vúrup, a.s.,
Vlčie hrdlo 1, Bratislava
Work in Chemical Laboratory – part-time job

Courses:

- 12/2019 Course for Protection of Animals Used for Scientific and Educational
Purposes, Institute of Postgraduate Education of Veterinary Surgeons,
Bratislava
- 9/2017 EMBO Practical Course: Current Methods in Cell Biology, EMBL
Heidelberg

Awards:

2018

Award from the Dean of Faculty of Natural Sciences of Comenius University for PhD. Students, year of award - 2018
Category: Chemical and Biological Sciences

Grants:

- MZ 2019/58-BMCSAV-2 – co-investigator
- APVV-20-0176 – co-investigator
- APVV-16-0246 – co-investigator
- VEGA 2/0047/22 – co-investigator
- VEGA 2/0040/22 – co-investigator
- VEGA 2/0038/19 – co-investigator
- VEGA 2/0082/16 – co-investigator

Skills in laboratory methods and techniques:

- Working with cell cultures
- *In vivo* experiments – immunodeficiency mice, rats
- Cytometry – Annexin-V-Fluos, JC-1, cell cycle, EdU Assay
- Fluorescent Microscopy
- Western Blot Analysis, Immunoprecipitation Assay
- Cytosolic calcium staining by FURA2-AM, cell pH measurement
- Techniques of molecular biology (isolation of RNA, real time PCR, gene silencing - siRNA)

Computer skills:

- Microsoft Word
- Microsoft Excel
- Microsoft Powerpoint
- Flowing software
- Clone manager 6
- Adobe photoshop
- PCBase
- Image studio
- CytExpert
- Calculusyn
- Zen Imaging software

Skills and knowledge:

- Supervising students during their master studies, consultations
- Responsible, flexible, reliable, able of working as an individual and also in team

Driving license: A, B – active driver

Citations:

Up to now – 118 citations WOS (106 without autocitations)

Publications - 11

H-index - 6