

CURRICULUM VITAE

Mgr. Radka Klepochová, PhD.



Date of Birth: 4th July 1987

Maiden name: Tušková

Place of Birth: Bratislava, Slovak Republic

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„Think like a proton“

(always positive)

Work:

- 2015 - present- MR researcher at
 - ✓ High-Field MR Center, Department of Biomedical Imaging and Image-guided Therapy, Medical University Vienna, Vienna, Austria
 - ✓ Department of NMR Spectroscopy and Mass Spectrometry, Faculty of Chemical and Food Technology, Slovak University of Technology, Bratislava, Slovakia
 - 2012 - 2016 – Chemistry teacher, Elementary school ZŠ s MŠ Rusovce, Vývojová 228, Bratislava-Rusovce
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Education:

- 2011 - 2015 - Ph.D. Study at Slovak University of Technology in Bratislava, Slovak Republic
 - Faculty of Chemical and Food Technology
 - Thesis: Investigation of new biomarkers for neurodegenerative diseases on animal models by in vivo magnetic resonance
 - Title of qualification awarded: PhD.
- 2006 – 2011 - Undergraduate study at Matej Bel University in Banská Bystrica, Slovak Republic
 - Faculty of Natural Sciences
 - Thesis Antioxidant effect of vitamin C and phenolic compounds in selected fruits and vegetables
 - Title of qualification awarded: Mgr. (Master of Natural Sciences)

- 1998 - 2006 - Secondary education at Ivan Bella Gymnasium
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Other education

- 2014 - 2015 - Additional pedagogical study at Slovak University of Technology in Bratislava, Slovak Republic
 - Thesis: Project teaching method in chemistry
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Field of Research:

- Proton and phosphorus magnetic resonance spectroscopy
 - Magnetic resonance imaging
 - Alzheimer's disease, dementia and neurodegeneration
 - Animal models
 - Behavioral testing on animals
 - Skeletal muscle metabolism
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Languages:

- Slovak (native)
 - English (good knowledge)
 - German (trying to have a good knowledge 😊)
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Grants obtained:

- Support for Young Researchers, Slovak University of Technology in Bratislava 2012
 - Support for Young Researchers, Slovak University of Technology in Bratislava 2014
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Awards:

- The ISMRM Summa Cum Laude Merit Award for a work entitled ^1H MRS can detect and quantify acetylcarnitine in different human skeletal muscles at rest at 7T. (ISMRM 24th annual Meeting, 07-13 May 2016)
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Technical skills and competences:

- Independent user of Siemens MR Scanners (3T, 7T)
 - Familiar with spectroscopic processing software (jMRUI, LCMoDel)
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Memberships in organizations:

- Member of International Society For Magnetic Resonance in Medicine
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Publications in journals:

2017

Klepochová R., Valkovič L., Gajdošík M., Hochwartner T., Tschan H., Krebs M., Trattnig S., Krššák M. Detection and Alterations of Acetylcarnitine in Human Skeletal Muscles by ^1H MRS at 7T. *In Investigative Radiology*. 2017

2016

Göbl C.S., Ott J., Bozkurt L., Feichtinger M., Rehmann V., Cserjan A., Heinisch M., Steinbrecher H., Just-Kukurova I., **Tušková R.**, Leutner M., Vytiska-Binstorfer E., Kurz C., Weghofer A., Tura A., Egarter C., Kautzky-Willer A. To Assess the Association between Glucose Metabolism and Ectopic Lipid Content in Different Clinical Classifications of PCOS. *In PLoS One*. Vol.11(8) 2016, p. 1-17.

2015

Tušková R., Lipták B., Szomolányi P., Vančová O., Uličná O., Sumbalová Z., Kucharská J., Dubovický M., Trattnig S., Liptaj T., Kašparová S. Neuronal marker recovery after Simvastatin treatment in dementia in the rat brain: In vivo magnetic resonance study. *In Behavioral Brain Research*. Vol. 284, 2015, p. 257-264.

2014

Šebeková K., Dušínská M., Klenovicsová K.S., Kollárová R., Boor P., Kebis A., Staruchová M., Vlková M., Celec P., Hodosy J., Bačiak L., **Tušková R.**, Beňo M., Tulinská J., Příbojová J., Bilaničová D., Pojana G., Marcomini A., Volkovová K. Comprehensive assessment of nephrotoxicity of intravenously administered sodium-oleate-coated ultra-small superparamagnetic iron oxide (USPIO) and titanium dioxide (TiO_2) nanoparticles in rats. *In Nanotoxicology*. Vol. 8(2) 2014, p. 142-157.

Tušková R., Császárová E., Just-Kukurová I., Dubovický M., Kašparová S. Effect of developmental administration of antidepressant venlafaxine on neurochemical profile in adult rat offspring. In vivo ^1H MRS study. In Študentská vedecká konferencia PriF UK 2014 - zborník recenzovaných príspevkov, 9. apríl 2014, Bratislava. 1. vyd. Bratislava : Vydavateľstvo Univerzity Komenského, 2014, p. 790-795.
