

BUNDALO M. MAJA

E-mail: bundalomaja@vin.bg.ac.rs; bundalo_m@ukw.de

CURRENT POSITION

Postdoctoral Researcher at Institute of Experimental Biomedicine, University Hospital Würzburg, Würzburg, Germany

EDUCATION

University of Belgrade, Faculty of Biology, Belgrade, Republic of Serbia

- **Doctor of Sciences - Biological Sciences**, study group **Molecular Biology** (2016). Doctoral dissertation: "The Effect of Fructose Rich Diet on the Expression of Renin-Angiotensin System Components and Inflammatory Molecules in the Rat Heart: Sex Specific Differences" defended on March 4, 2016.
- **Graduated Molecular Biologist and Physiologist** - equal to Master in Science in Biology (2008). The Diploma thesis (equal to Master's thesis): "Examination of cytotoxicity of silver-doped hydroxyapatite" defended on October 6, 2008.

PROFESSIONAL ENGAGEMENTS

- Medical Representative at Nordvik doo, Belgrade (03.2009-11.2009)
- Medical Representative at Atlantic BG doo, Belgrade (03.2010-01.2011)
- Research Trainee at "Vinča" Institute of Nuclear Sciences - University of Belgrade, Laboratory of Radiobiology and Molecular Genetics (01.2011-04.2013)
- Research Assistant at "Vinča" Institute of Nuclear Sciences - University of Belgrade, Laboratory of Radiobiology and Molecular Genetics (04.2013-03.2017)
- Research Assistant Professor at "Vinča" Institute of Nuclear Sciences - University of Belgrade, Laboratory of Radiobiology and Molecular Genetics (03.2017-09.2017)
- Postdoctoral Researcher at Institute of Experimental Biomedicine, University Hospital Würzburg, Würzburg, Germany (09.2017- to date)

RESEARCH EXPERIENCE

Institute of Experimental Biomedicine, University Hospital Würzburg, Würzburg, Germany

- Investigate the role of VEGFR1 in the development and progression of atherosclerosis (mouse models, cell cultures, Crispr/Cas9, cloning, viral plasmids construction, virus purification)

Laboratory of Radiobiology and Molecular Genetics, "Vinča" Institute of Nuclear Sciences - University of Belgrade

- Doctoral thesis research conducted under supervision of Dr. Aleksandra Stanković and Dr. Gordana Matić
- Performed biochemical and molecular biology experiments in order to investigate the effects of fructose-rich diet and pharmacological interventions on cardiovascular and adipose tissue renin-

angiotensin system in rats (working with laboratory animals, tissue sampling, protein and nucleic acid isolation, reverse transcription, quantitative real-time PCR and Western blot)

- Examined genetic and epigenetic background of complex diseases - atherosclerosis, multiple sclerosis and kidney diseases (genotyping, DNA methylation analysis, micro RNA-expression analysis and microarray analysis)
- Participated in randomized, double-blinded, cross-over, placebo-controlled clinical study, which aim was to investigate the effects of aronia juice in patients with abdominal obesity (microarray analysis)
- Participated in pharmacogenetic study that examined the influence of genetic variation on immunosuppressive drug metabolism in children with transplanted kidney
- Attended "Proteomics School - Theoretical and practical foundations", organized by the Centre of Excellence for Molecular and Food Sciences, Faculty of Chemistry, University of Belgrade
- Successfully completed course on laboratory animal science (B category)

Institute of Physiology and Biochemistry, Faculty of Biology, University of Belgrade

- Diploma thesis research conducted under supervision of Dr. Biljana Božić
- Performed cell culture experiments in order to investigate cytotoxicity of silver-doped hydroxyapatite