

## **Aleksandra Kovačević, MPharm**

### **Employment Information:**

- 2019-: Teaching Assistenat, Department of Pharmacology, Faculty of Pharmacy, University of Belgrade
- 2016-: Junior Researcher, project of the Ministry of Education, Science and Technological Development of the Republic of Serbia no. 175076

### **Education:**

- 2016: Passed the professional exam for graduate pharmacists, after completing an internship at the Pharmacy "Belgrade" (Pharmacy "Palilula") and at the Military Medical Academy (hospital pharmacy at the Sector for Pharmacy)
- 2015: Enrolled in doctoral academic studies, module: Pharmacology; University of Belgrade - Faculty of Pharmacy
- 2015: The final paper "Spatial cognition in rats prenatally exposed to the effects of lipopolysaccharides" at the Department of Pharmacology, University of Belgrade - Faculty of Pharmacy, under the mentorship of prof. Miroslav Savić, PhD, with the title of Master of Pharmacy
- 2010: Enrolled in integrated academic studies, study program: Pharmacy; University of Belgrade - Faculty of Pharmacy
- 2010: Completed primary school and high school in Brus

### **Training:**

- 2021: Completed the course *Virt2ue program on research integrity*, organized by the University of Malta, Malta (Horizon 2020 project of the European Union No. 787580)
- 2015: Completed training "*Development of skills for pharmaceutical practice*", organized by the Center for the Development of Pharmaceutical Practice, University of Belgrade - Faculty of Pharmacy and Phoenix Pharma d.o.o. Belgrade

### **Academic awards and distinctions:**

- 2018: First prize for the best poster presentation at the 7th Congress of Pharmacists of Serbia with international participation

- 2017: First prize for the best poster presentation at the 7th Congress of the Society for Neuroscience of Serbia with international participation
- 2016 (May-June): Scholarship for doctoral students, awarded by the Ministry of Education, Science and Technological Development of the Republic of Serbia
- 2015: Winner of the prize trip for the 50 best students of the Republic of Serbia (the program "Traveling to Europe", organized by the European Movement in Serbia and the Embassy of the Republic of Austria)
- 2014/15: Scholarship of the Fund for Young Talents "Dositeja", awarded by the Ministry of Youth and Sports of the Republic of Serbia
- 2014: Annual award for the best students of integrated academic studies at the University of Belgrade - Faculty of Pharmacy
- 2013/14: Scholarship for exceptionally gifted pupils and students, awarded by the Ministry of Education, Science and Technological Development of the Republic of Serbia
- 2012: Winner of the prize trip for 60 students of the Republic of Serbia (program "Welcome to Germany", organized by the European Movement in Serbia and the Embassy of the Federal Republic of Germany)

#### **Teaching activities:**

- **Integrated academic studies of the University of Belgrade - Faculty of Pharmacy**, study program: pharmacy and pharmacy - medical biochemistry; preparation and implementation of practical classes in Serbian and English

Subjects:

- Pharmacology 1, 2 and 3 (accredited program in 2013)
- Pharmacology 1 and 2 (accredited program in 2019)
- Pharmacotherapy
- Pharmacotherapy in pediatrics
- **Specialist academic studies at the University of Belgrade - Faculty of Pharmacy**, study program: Pharmacotherapy in pharmaceutical practice preparation and conduct of workshops

Subjects:

- Pharmacotherapy 1, 2 and 3
- **Student research papers** - commentator on a student research paper

#### **Activities within the Faculty:**

- 2021: Member of the Council of the IV year

- 2021: Member of the Commission for the implementation of student internship

### **Projects:**

- 2022-: Researcher on the project within the IDEAS program of the Science Fund of the Republic of Serbia entitled: "*Neuroimmune aspects of mood, anxiety and cognitive effects of leads/drug candidates acting at GABAA and/or sigma-2 receptors: In vitro/in vivo delineation by nano- and hiPSC-based platform* "; supervisor: prof. Miroslav Savić, PhD (part-time engagement)
- 2020-: Researcher on the project within *Horizon 2020 Research and Innovation action - Innovative Medicines Initiative* (IMI2 - Call 13) and the European Federation of Pharmaceutical Industries and the Association of Innovative Drug Manufacturers (EFPIA) entitled: "*Neurotoxicity De-Risking in Preclinical Drug Discovery* "(*NeuroDeRisk*); Head of the II work package: prof. Miroslav Savić, PhD (part-time engagement)
- 2016-: Researcher on the project of the Ministry of Education, Science and Technological Development of the Republic of Serbia no. 175076: "*Behavioral effects of repeated use of newly synthesized substances selective for certain subtypes of benzodiazepine binding sites of GABAA receptors: comparison with standard psychopharmacological drugs*" from basic research - Medicine (currently current institutional funding through )

### **Publications:**

- Vidojević A, Živković A. Sticanje i pozivanje prostorne memorije kod potomstva ženki pacova izloženih lipopolisaharidom–izazvanom zapaljenju tokom trudnoće. *Medicinski podmladak*. 2015; 66:37-43.
- Batinić B, Santrač A, Jančić I, Li G, Vidojević A, Marković B, Cook J, Savić M. Positive modulation of  $\alpha 5$  GABA(A) receptors in preadolescence prevents reduced locomotor response to amphetamine in adult female but not male rats prenatally exposed to lipopolysaccharide. *Int J Dev Neurosci*. 2017; 61:31-39.
- Vidojević A, Savić M. Influence of novel benzodiazepine bioisosteres on motor activity in mice. 7th Congress of Serbian Neuroscience Society with international participation, Belgrade, Serbia, 25-27.10.2017. 87. str.
- Vidojević A, Milić M, Jančić I, Li G, Savić M.  $\alpha 5$  GABAA receptor positive allosteric modulation by GL-II-73 reduced lipopolysaccharide–induced depressive–like behavior in C57BL/6 mice. 7th Serbian Congress of Pharmacy

with international participation, Belgrade, Serbia, 10-14.10.2018. Arh farm. 2018; 68:664-665.

- Prevot T, Li G, Vidojević A, Misquitta K, Santrač A, Knutson D, Stephen M, Kodali R, Zahn N, Arnold L, Scholtze P, Fisher J, Markovic B, Banasr M, Cook J, Savić M, Sibille E. Combined therapeutics: Anxiolytic, antidepressant and pro-cognitive properties of novel positive allosteric modulators at  $\alpha 5$ -containing GABAA receptors. Society for Neuroscience, San Diego, USA, 03-07.11.2018. 323.21/BBB8
- Prevot T, Li G, Vidojević A, Misquitta K, Fee C, Santrač A, Knutson D, Stephen M, Kodali R, Zahn N, Arnold L, Scholze P, Fisher J, Marković B, Banasr M, Cook J, Savić M, Sibille E. Novel Benzodiazepine-Like Ligands with Various Anxiolytic, Antidepressant, or Pro-Cognitive Profiles. Mol Neuropsychiatry. 2019; 5:84-97.
- Tarca AL, Pataki BÁ, Romero R, Sirota M, Guan Y, Kutum R, Gomez-Lopez N, Done B, Bhatti G, Yu T, Andreoletti G, Chaiworapongsa T; DREAM Preterm Birth Prediction Challenge Consortium, Hassan SS, Hsu CD, Aghaeepour N, Stolovitzky G, Csabai I, Costello JC. Crowdsourcing assessment of maternal blood multi-omics for predicting gestational age and preterm birth. Cell Rep Med. 2021; 2:100323. (Aleksandra V. Kovačević was a member of DREAM Preterm Birth Prediction Challenge Consortium)