

Curriculum Vitae

Personal information **Bojan Batinic**

Work experience

Mar 2023 - present

Expert associate for clinical trials and evaluation of the safety and efficacy of medicine

Institute for Medicines and Medical Devices of Montenegro
Montenegro

- Processing registration, renewal and variation requests by MAHs, regarding safety and efficacy of medicines

Oct 2020 - Mar 2023

Assistant professor at Department of Physiology

University of Belgrade, Faculty of Pharmacy
Serbia

- Giving lectures in Human morphology, Pharmaceutical physiology 1 & 2, and Selected chapters of physiology in Serbian and English (320 students per year)
- Mentoring students on final thesis and student research (6 candidates)
- Author of chapter "Physiological changes in extreme conditions" in textbook "Selected chapters of physiology"
- Activity coordinator at Vivarium of Faculty of Pharmacy
- Member of faculty website editorial office
- Member of Knowledge Retention Test Committee

Oct 2012 - Sep 2020

Teaching assistant at Department of Physiology

University of Belgrade, Faculty of Pharmacy
Serbia

- Practical lectures for students in Human morphology, Pharmaceutical physiology 1 & 2

Dec 2010 - Feb 2011

Medical representative

Roche d.o.o. Serbia
Serbia

- Presenting MDs and pharmacists with new data on registered medicines - osteoporosis and rheumatology program

Feb 2010 - Nov 2011

Sales representative

MSD Serbia
Serbia

- Presenting MDs and pharmacists with new data on registered medicines - osteoporosis and rheumatology program

Oct 2009 - Jan 2010

Pharmacist

Farmanea pharmacy, Belgrade,
Serbia

Education and training

PhD in medical sciences – neuropharmacology at University of Belgrade, Faculty of Pharmacy, Serbia (Oct 2009 - Oct 2017); Thesis: *The influence of modulation of alpha 5 subunit-containing GABAA receptors on behavioral changes in rats prenatally exposed to the effects of lipopolysaccharide*

MPharm at University of Belgrade, Faculty of Pharmacy, Serbia (Oct 2000 - Sep 2009)

Additional information

Publications

1. Santrač A, **Batinić B**, Stamenić TT, Arandjelović J, Sharmin D, Knutson DE, Cook JM, Savić MM. Positive modulation of α 5GABAA receptors leads to dichotomous effects in rats on memory pattern and GABRA5 expression in prefrontal cortex and hippocampus. Behav Brain Res. 2022 Jan 7;416:113578. doi: 10.1016/j.bbr.2021.113578. [PMID: 34508769](#).
2. Arandjelović J, Santrač A, **Batinić B**, Todorović L, Stevanović V, Veera Venkata Naga Phani Babu Tiruveedhula, Sharmin D, Rashid F, Stanojević B, Cook JM, Savić MM. Effects of α 5 GABAA receptor modulation on social interaction, memory and neuroinflammation in mouse model of Alzheimer's disease. CNS Neuroscience & Therapeutics. 2022. doi: 10.1111/cns.13914. [PMID: 35822698](#).
3. Santrač A, Bijelić D, Stevanović V, Banićević M, Arandjelović J, **Batinić B**, Sharmin D, Cook JM, Savić MM. Postweaning positive modulation of α 5GABAA receptors improves autism-like features in prenatal valproate rat model in a sex-specific manner. Autism Res. 2022 May;15(5):806-820. doi: 10.1002/aur.2699. [PMID: 35266641](#).
4. Dragana Javorac, Milena Anđelković, Aleksandra Repić, Simona Tatović, Aleksandra Buha Djordjevic, Evica Antonijević Miljaković, **Bojan Batinić**, Novica Boričić, Danijela Đukić-Ćosić, Biljana Antonijević, Zorica Bulat, Comprehensive insight into the neurotoxic mechanisms of low dose Pb exposure in Wistar rats: Benchmark dose analysis, Chemo Biological interactions, Volume 360, 2022, 109932, ISSN 0009-2797, doi: 10.1016/j.cbi.2022.109932. [PMID: 35398025](#).
5. Arandjelović J, Santrač A, **Batinić B**, Todorović L, Ahmed Khan MZ, Rashid F, Poe MM, Obradović A, Cook JM, Savić MM. Positive and Negative Selective Allosteric Modulators of α 5 GABAA Receptors: Effects on Emotionality, Motivation, and Motor Function in the 5xFAD Model of Alzheimer's Disease. J Alzheimers Dis. 2021;84(3):1291-1302. doi: 10.3233/JAD-215079. [PMID: 34657887](#).
6. Stanić D, Oved K, Israel-Elgali I, Jukić M, **Batinić B**, Puškaš N, Shomron N, Gurwitz D, Pešić V. Synergy of oxytocin and citalopram in modulating Itgb3/Chl1 interplay: Relevance to sensitivity to SSRI therapy. Psychoneuroendocrinology. 2021 Jul;129:105234. doi: 10.1016/j.psyneuen.2021.105234. [PMID: 33930757](#).
7. Đoković JB, Savić SM, Mitrović JR, Nikolic I, Marković BD, Randjelović DV, Antic-Stankovic J, Božić D, Cekić ND, Stevanović V, **Batinić B**, Arandjelović J, Savić MM, Savić SD. Curcumin Loaded PEGylated Nanoemulsions Designed for Maintained Antioxidant Effects and Improved Bioavailability: A Pilot Study on Rats. Int J Mol Sci. 2021 Jul 27;22(15):7991.

doi: 10.3390/ijms22157991. PMID: 34360758.

8. Ilić T, Savić S, **Batinić B**, Marković B, Schmidberger M, Lunter D, Savić M, Savić S. Combined use of biocompatible nanoemulsions and solid microneedles to improve transport of a model NSAID across the skin: In vitro and in vivo studies. *Eur J Pharm Sci.* 2018 Dec 1;125:110-119. doi: 10.1016/j.ejps.2018.09.023. PMID: 30287408.
9. Petrović J, Stanić D, Bulat Z, Puškaš N, Labudović-Borović M, **Batinić B**, Mirković D, Ignjatović S, Pešić V. Acth-induced model of depression resistant to tricyclic antidepressants: Neuroendocrine and behavioral changes and influence of long-term magnesium administration. *Horm Behav.* 2018 Sep;105:1-10. doi: 10.1016/j.yhbeh.2018.07.003. PMID: 30025718.
10. Đurić V, **Batinić B**, Petrović J, Stanić D, Bulat Z, Pešić V. A single dose of magnesium, as well as chronic administration, enhances long-term memory in novel object recognition test, in healthy and ACTH-treated rats. *Magnes Res.* 2018 Feb 1;31(1):24-32. doi: 10.1684/mrh.2018.0435. PMID: 29991463.
11. **Batinić B**, Stanković T, Stephen MR, Kodali R, Tiruveedhula VV, Li G, Scholze P, Marković BD, Obradović AL, Ernst M, Cook JM, Savić MM. Attaining in vivo selectivity of positive modulation of $\alpha 3\beta\gamma 2$ GABA_A receptors in rats: A hard task! *Eur Neuropsychopharmacol.* 2018 Aug;28(8):903-914. doi: 10.1016/j.euroneuro.2018.05.014. PMID: 29891214.
12. **Batinić B**, Santrač A, Jančić I, Li G, Vidojević A, Marković B, Cook JM, Savić MM. 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 Oct;61:31-39. doi: 10.1016/j.ijdevneu.2017.06.001. PMID: 28610974.
13. **Batinić B**, Santrač A, Divović B, Timić T, Stanković T, Obradović ALj, Joksimović S, Savić MM. Lipopolysaccharide exposure during late embryogenesis results in diminished locomotor activity and amphetamine response in females and spatial cognition impairment in males in adult, but not adolescent rat offspring. *Behav Brain Res.* 2016 Feb 15;299:72-80. doi: 10.1016/j.bbr.2015.11.025. PMID: 26620494.
14. Petrović J, Stanić D, Dmitrašinić G, Plečaš-Solarović B, Ignjatović S, **Batinić B**, Popović D, Pešić V. Magnesium Supplementation Diminishes Peripheral Blood Lymphocyte DNA Oxidative Damage in Athletes and Sedentary Young Man. *Oxid Med Cell Longev.* 2016;2016:2019643. doi: 10.1155/2016/2019643. PMID: 27042258.
15. Todosijević MN, Savić MM, **Batinić BB**, Marković BD, Gašperlin M, Randelović DV, Lukić MŽ, Savić SD. Biocompatible microemulsions of a model NSAID for skin delivery: A decisive role of surfactants in skin penetration/irritation profiles and pharmacokinetic performance. *Int J Pharm.* 2015 Dec 30;496(2):931-41. doi: 10.1016/j.ijpharm.2015.10.048. PMID: 26497615.
16. Kovačević J, Timić T, Tiruveedhula VV, **Batinić B**, Namjoshi OA, Milić M, Joksimović S, Cook JM, Savić MM. Duration of treatment and activation of $\alpha 1$ -containing GABA_A receptors variably affect the level of anxiety and seizure susceptibility after diazepam withdrawal in rats. *Brain Res Bull.* 2014 May;104:1-6. doi:

- 10.1016/j.brainresbull.2014.03.002. [PMID: 24695241](#).
17. Obradović ALj, Joksimović S, Poe MM, Ramerstorfer J, Varagic Z, Namjoshi O, **Batinić B**, Radulović T, Marković B, Roth BL, Sieghart W, Cook JM, Savić MM. Sh-I-048A, an in vitro non-selective super-agonist at the benzodiazepine site of GABAA receptors: the approximated activation of receptor subtypes may explain behavioral effects. *Brain Res.* 2014 Mar 20;1554:36-48. doi: 10.1016/j.brainres.2014.01.036. [PMID: 24472579](#).
18. Zogović D, Pešić V, Dmitrašinović G, Dajak M, Plećaš B, **Batinić B**, Popović D, Ignjatović S.. Pituitary-gonadal, pituitary-adrenocortical hormones and IL-6 levels following long-term magnesium supplementation in male students. *J Med Biochem.* 2014;(33):291-8
19. Timić T, Joksimović S, Milić M, Divljaković J, **Batinić B**, Savić MM. Midazolam impairs acquisition and retrieval, but not consolidation of reference memory in the Morris water maze. *Behav Brain Res.* 2013 Mar 15;241:198-205. doi: 10.1016/j.bbr.2012.12.014. [PMID: 23261388](#).

Projects

1. [Horizon 2020 IMI](#): Neurotoxicity De-Risking in Preclinical Drug Discovery - [NeuroDeRisk](#) (2019-2022) PI professor Miroslav Savić
2. [Promis Program](#): Utility of plasma drug level monitoring and cyp2c19/cyp2d6 genotyping in dose personalization of antidepressants and antipsychotics - [PsyCise](#) (2020-2022) PI professor Marin Jukić
3. [Cost-action](#): Cognitive decline in Nephro-Neurology: European Cooperative Target - [CA19127](#) (2020-2023)
4. Behavioral effects following repeated administration of newly synthesized ligands selective for distinct subtypes of GABA_A receptor benzodiazepine binding site: comparison with standard psychopharmacologic drugs; OI175076 (2011 - 2019)

Memberships

Other Relevant Information