IZBORNOM VEĆU I DEKANU FARMACEUTSKOG FAKULTETA U BEOGRADU

Izborno veće Farmaceutskog fakulteta Univerziteta u Beogradu na sednici održanoj 12.9.2019. godine, na osnovu člana 114 Statuta Farmaceutskog fakulteta u Beogradu, imenovalo je Komisiju za pisanje referata o prijavljenim kandidatima po raspisanom konkursu za izbor jednog asistenta sa doktoratom za užu naučnu oblast *Farmaceutska fiziologija* u sastavu:

1. Prof. dr Vesna Pešić, vanredni profesor, Farmaceutskog fakulteta u Beogradu, predsedavajući
2. Doc dr Marin Jukić, docent, Farmaceutskog fakulteta u Beogradu, član
3. Prof. dr Ljiljana Šćepanović, redovni profesor Medicinskog fakulteta u Beogradu, član

Posle analize dostavljenog materijala, Komisija podnosi sledeći

I Z V E Š T A J

Na raspisani konkurs prijavio se jedan kandidat: Asist. dr Bojan Batinić

Asist. dr Bojan Batinić

Diplomirao je 2009. na Farmaceutskom fakultetu Univerziteta u Beogradu sa ocenom 8,81 i na Katedri za farmakologiju odbranio diplomski rad pod nazivom „GABAA receptori: struktura i funkcija“ sa ocenom 10. Doktorske studije iz farmakologije upisao je 2009. godine na Farmaceutskom fakultetu Univerziteta u Beogradu pod mentorstvom prof. dr Miroslava Savića, i 2017. sa odlikama odbranio tezu pod nazivom „Uticaj modulacije GABAA receptora koji sadrže α5 podjedinicu na promene ponašanja pacova prenatalno izloženih dejstvu lipopolisaharida“.

Pripravnički staž odradio je 2009. u AU Farmanea, a 2010-2011. radio je kao stručni saradnik u farmaceutskim kućama Roche d.o.o. i MSD d.o.o. Od 2011. godine radi kao istraživač na projektu „Bihejvioralni efekti ponavljane primene novosintetisanih supstanci selektivnih za pojedine podtipove benzodiazpinskog mesta vezivanja GABAA receptora: poređenje sa standardnim psihofarmakološkim lekovima“ (br. 175076) iz osnovnih istraživanja u oblasti medicine koji finansira Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije. U školskoj 2011/12 učestvovao je u izvođenju praktične nastave iz predmeta Osnovi farmaceutske

biotehnologije. Od 2012. radi kao saradnik u nastavi, a od 2013. kao asistent na Katedri za fiziologiju u nastavi iz predmeta Fiziologija 1, Fiziologija 2 i Odabrana poglavlja fiziologije.

U radu sa studentima ocenjivan je odličnim ocenama. Član je Komisije za akreditaciju Farmaceutskog fakulteta kao NIU, i učestuje u organizaciji i sprovođenju testa retencije znanja. Član je većeg broja komisija za odbranu završnog rada i ko-mentor na nekoliko studentskih istražvačkih radova.

Istraživački interes kandidata predstavljaju neurorazvojni poremećaji, animalni bihejvioralni modeli, neuroendokrinologija. Do sada je objavio 12 naučnih radova u časopisima međunarodnog značaja (7 u časopisima kategorije M21, 3 rada kategorije M22 i 2 rad kategorije M23) i jedan rad u domaćem časopisu kategorije M52. Autor je više saopštenja u usmenom i pisanom obliku na domaćim i međunarodnim naučnim skupovima. Citiran je 84 puta, ima H-indeks 5. Dobitnik je nagrada ECNP seminar award 2016 i ECNP travel award 2016.

Objavljeni naučni radovi i saopštenja:

M21

1. 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 α3βγ2 GABA(A) receptors in rats: A hard task! Eur Neuropsychopharmacol. 2018 Aug;28(8):903-914. doi: 10.1016/j.euroneuro.2018.05.014
2. 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; 299:72-80.
3. Jelena Petrović, Dušanka Stanić, Gordana Dmitrašinović, Bosiljka Plećaš-Solarović, Svetlana Ignjatović, Bojan Batinić, Dejana Popović, Vesna Pešić. Magnesium Supplementation Diminishes Peripheral Blood Lymphocyte DNA Oxidative Damage in Athletes and Sedentary Young Man. Oxidative Medicine and Cellular Longevity 2016; Article ID 2019643, 7 pages.
4. Todosijević MN, Savić MM, Batinić BB, Marković BD, Gašperlin M, Ranđelović DV, Lukić MŽ, Savić SD. Biocompatible microemulsions of a model NSAID for skindelivery: A decisive role of surfactants in skin penetration/irritation profiles and pharmacokinetic performance. Int J Pharm. 2015; 496: 931-41.

5. 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; 241:198-205.

6. 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.

7. 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;125:110-119. doi: 10.1016/j.ejps.2018.09.023.

M22

1. Batinić B, Santrač A, Jančić I, Li G, Vidojević A, Marković B, Cook JM, Savić MM. Positive modulation of α5 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. doi: 10.1016/j.ijdevneu.2017.06.001.
2. Kovačević J, Timić T, Tiruveedhula VV, Batinić B, Namjoshi OA, Milić M, Joksimović S, Cook JM, Savić MM. Duration of treatment and activation of α1-containing GABAA receptors variably affect the level of anxiety and seizure susceptibility after diazepam withdrawal in rats. Brain Res Bull. 2014; 104: 1-6.
3. 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; 1554: 36-48.

M23

1. 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.

2. Zogovic Dusanka, Pesic Vesna, Dmitrasinovic Gordana, Dajak Marijana M, Plecas Bosiljka A, Batinic Bojan A, Popovic Dejana, Ignjatovic Svetlana D. Pituitary-Gonadal, Pituitary-Adrenocortical Hormonesand IL-6 Levels Following Long-Term Magnesium Supplementation in Male Students. Journal of Medical Biochemistry 2014; 33: 291–298.

M52

1. Batinić B, Pešić V. Therapeutic potential of magnesium in cognitive impairments. MD-Medical Data 2019;11(1): 023-027

M34

1. Stankovic Tamara, Batinic Bojan A, Savic Miroslav M. A novel positive modulator of alpha 4-GABAA receptors, XHe-III-74, reduces ethanol intake in mouse "drinking in the dark" model. European Neuropsychopharmacology, (2019), vol. 29 br. , Suppl. 1, str. S576-S577.
2. Pesic Vesna Dobrosavljevic A Stanic Dusanka Batinic Bojan A Plecas Bosiljka A. Ketamine in a model of depression resistant to tricyclic antidepressants. European Neuropsychopharmacology, (2019), vol. 29 br. , Suppl. 1, str. S271-S271
3. Milosavljevic F Vucic M Manojlovic M Asujic N Batinic Bojan A Novalen M Miksys S Tyndale R Ingelman-Sundberg Magnus Pesic Vesna Jukic Marin M. Transgenic mouse, carrier of human CYP2C19 gene, as an animal model for hyperdopaminergism-induced hyperkinesia. European Neuropsychopharmacology, (2019), vol. 29 br. , Suppl. 2, str. S672-S673.
4. Petrovic Jelena Labudovic-Borovic Milica M Puskas Nela S Stanic Dusanka Batinic Bojan A Plecas-Solarovic Bosiljka A Pesic Vesna. Chronic magnesium supplementation increases hippocampal neurogenesis and decreases proliferation in myocardium in ACTH-treated rats. European Neuropsychopharmacology, (2017), vol. 27 br. , Suppl. 4, str. S765-S766
5. Batinic Bojan A Santrac Anja Jancic Ivan R Markovic Bojan D Milic Marija Savic Miroslav M GABA-A alpha 5 receptor potentiation in preadolescence prevents hyporeactivity to amphetamine induced by prenatal lipopolysaccharide treatment in rat

females. European Neuropsychopharmacology, (2017), vol. 27 br. , Suppl. 4, str. S610-S611.

6. B. Batinić, T. Stanković, M.M. Savić. Attaining in vivo selectivity of positive modulation of a3 GABA-A receptors in rats: a hard task. Workshop for Junior Scientists in Europe (ECNP), Nice, France, 17-20.03.2016. European Neuropsychopharmacology 2016; 26 (Suppl1): S42-43.
7. T. Timić Stamenić, S. Joksimović, M. Milić, B. Batinić, M.M. Poe, J.M. Cook, M.M. Savić. Positive modulation at alpha5 GABAA receptors is not beneficial for cognitive deficits induced by MK-801 in water maze in rats. 27th Congress of the European College of Neuropsychopharmacology (ECNP), Berlin, Germany, 18-21.10.2014. European Neuropsychopharmacology 2014; 24 (Suppl 2): S325.
8. Divljaković JM, Van Linn M, Milinković MM, Yin WY, Batinić B, Cook JM, Savić MM Contribution of a1 subunit-containing GABA-A receptors to diazepam-induced motor impairment. 23th Congress of the European College of Neuropsychopharmacology (ECNP), Amsterdam, Netherlands, 28.8–1.9.2010. European Neuropsychopharmacology 2010; 20: S261-S262
9. Divljaković JM, Milinković MM, Timić T, Batinić B, Savić MM. Sensitisation and tolerance-like effects of diazepam after repeated administration in rats. 24th Congress of the European College of Neuropsychopharmacology (ECNP), Paris, France, 3-7.9.2011. European Neuropsychopharmacology 2011; 21: S301.
10. Joksimović SM, Timić T, Radulović T, Rallapalli S, Milinković MM, Divljaković JM, Batinić B, Cook JM, and Savić MM. Effects of PWZ-029, an 5GABAA receptor inverse agonist, on scopolamine-induced spatial learning deficits in the water maze. 25th Congress of the European College of Neuropsychopharmacology (ECNP), Viena, Austria, 13-18.10.2012. European Neuropsychopharmacology 2012; 22: S190-S191.
11. Divljaković J, Timić T, Milinković M, Batinić B, Van Linn ML, Cook JM, Savić MM. βCCt as well as flumazenil prevent the diazepam withdrawal-induced anxiety in the elevated plus maze in rats. 28th World Congress of Neuropsychopharmacology (CINP), Stockholm, Sweden, 3–7.6.2012. The International Journal of Neuropsychopharmacology 2012; 15: S201.
12. Joksimović S, Obradović ALj, Timić T, Radulović T, Biawat P, Kovacević J, Milić M, Batinić B, Cook JM, Savić MM. PWZ-029 alleviates MK-801-induced memory deficits in the rat: implications for the treatment of cognitive impairment in schizophrenia. 26th Congress of the European College of Neuropsychopharmacology (ECNP), Barcelona, Spain, 5-9.10.2013. European Neuropsychopharmacology 2013; 23 (Suppl 2): S260.

MIŠLJENJE I PREDLOG

Na raspisani konkurs za asistenta sa doktoratom za užu naučnu oblast Farmaceutska fiziologija prijavio se jedan kandidat: asist. dr. Bojan Batinić. Kandidat ispunjava uslove propisane Zakonom i Statutom Farmaceutskog fakulteta, dokazao je svoje kvalitete i sposobnost u držanju praktične nastave kao i u naučnom radu, te Komisija predlaže Izbornom veću Farmaceutskog fakulteta da prihvati ovaj izveštaj.

Članovi komisije:

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