

OSOBNJE INFORMACIJE

Jelena Osmanović Barilar

ZVANJE

dr.med.

TITULA

dr.sc.

RADNO ISKUSTVO

09.2022 -

izvanredni profesor

Medicinski fakultet, Sveučilište u Zagrebu

03.2022 -

izvanredni profesor

Medicinski fakultet, Sveučilište u Zagrebu

Sudjelovanje u diplomskoj nastavi iz predmeta Farmakologija i Medicinska etika
Sudjelovanje u postdiplomskoj nastavi na studiju Biomedicina i zdravstvo i
postdiplomskoj nastavi iz Neuroznanosti
Znanstveni rad na HRZZ projektu

OBRAZOVANJE I
OSPOSOBLJAVANJE

09.1998 - 07.2004

dr. med.

Medicinski fakultet, Sveučilište u Zagrebu

OSOBNJE VJEŠTINE

Materinski jezik

Hrvatski

Ostali jezici	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna interakcija	Govorna produkcija	
Engleski	C1/2: Iskusni korisnik	C1/2: Iskusni korisnik	C1/2: Iskusni korisnik	C1/2: Iskusni korisnik	B1/2: Samostalni korisnik

Komunikacijske vještine

Engleski i Njemački jezik

**Organizacijske /
rukovoditeljske vještine**

Član organizacijskog odbora 7. Hrvatskog kongresa farmakologije s
internacionalnim sudjelovanjem, Zagreb, Hrvatska

Član organizacijskog odbora 9. Hrvatskog kongresa farmakologije s
internacionalnim sudjelovanjem, Zagreb, Hrvatska

Poslovne vještine

Dodiplomska nastava: Kolegij farmakologija: seminar i vježbe na Hrvatskom i
Engleskom jeziku

Voditelj kolegija Farmakologija na engleskom studiju.

Postdiplomska nastava: doktorski studij Biomedicina i zdravstvo: seminar i vježbe
na Hrvatskom jeziku, Doktorski studij Neuroznanost-predavanja, seminar i vježbe

Računalne vještine

ECDL Diploma

Ostale vještine

Kognitivni testovi na labaratorijskim životinjama,
Biokemijski testovi: SDS-PAGE elektroforeza + Western blot, RT-PCR.
Imunohistokemijske metode

Vozačka dozvola

Da

DODATNE INFORMACIJE

Izdanja

1. Osmanović Barilar J, Šalković-Petrišić M. Evaluating the Role of Hormone Therapy in Postmenopausal Women with Alzheimer's Disease. *Drugs & Aging*. November 2016; 11: 787–808
2. Knezovic A, Osmanovic-Barilar, J, Curlin M, et al. Staging of cognitive deficits and neuropathological and ultrastructural changes in streptozotocin-induced rat model of Alzheimer's disease. *Journal of neural transmission* 2015; 122: 577-592.
3. Barilar, J. Osmanovic, Knezovic, A, Gruenblatt, E, et al. Nine-month follow-up of the insulin receptor signalling cascade in the brain of streptozotocin rat model of sporadic Alzheimer's disease *Journal of neural transmission* 2015;122: 565-576.
4. Salkovic-Petrisic M, Knezovic A, Osmanovic-Barilar J, et al. Multi-target iron-chelators improve memory loss in a rat model of sporadic Alzheimer's disease. *Life sciences* 2015;136:108-119
5. Salkovic-Petrisic M, Knezovic A, Osmanovic-Barilar J, et al. Multi-target iron-chelators improve memory loss in a rat model of sporadic Alzheimer's disease. *Life sciences* 2015;136:108-119
6. Salkovic-Petrisic M, Osmanovic-Barilar J, Knezovic A, Hoyer S, Mosetter K, Reutter W. Long-term oral galactose treatment prevents cognitive deficits in male Wistar rats treated intracerebroventricularly with streptozotocin. *Neuropharmacology*. 2013;77C:68-80.
7. Salkovic-Petrisic M, Osmanovic J, Bruckner MK, Hoyer S, Thomas A, Riederer P. Cerebral amyloid angiopathy in streptozotocin rat model of sporadic Alzheimer's disease: a long-term follow up study. *Journal of neural transmission* 2011;5:765-772.
8. Salkovic-Petrisic M, Osmanovic J, Grünblatt E, Riederer P, Hoyer S. Modeling sporadic Alzheimer disease: The insulin resistant brain state generates multiple long-term morphobiological abnormalities inclusive hyperphosphorylated tau protein and β -amyloid. A synthesis. *Journal of Alzheimer's Disease* 2009;18:729-750
9. Osmanovic J, Plaschke K, Salkovic-Petrisic M, Grünblatt E, Riederer P, Hoyer S. Chronic exogenous corticosterone administration leads to a generation of an insulin-resistant brain state in rats. *Stress* 2009;13:123-131
10. Grünblatt E, Salkovic-Petrisic M, Osmanovic J, Riederer P, Hoyer S. Brain insulin system dysfunction in streptozotocin intracerebroventricularly treated rats generates hyperphosphorylated tau protein. *J Neurochem* 2007;101:757-770.
11. Knezovic, Ana; Barilar, Jelena Osmanovic; Babic, Ana; et al. Glucagon-like peptide-1 mediates effects of oral galactose in streptozotocin-induced rat model of sporadic Alzheimer's disease *Neuropharmacology*, 2018. 135: 48-62.
12. Babic Perhoc A, Osmanovic Barilar J, Knezovic A, Farkas V, Bagaric R, Svarc A, Grünblatt E, Riederer P, Salkovic-Petrisic M. Cognitive, behavioral and metabolic effects of oral galactose treatment in the transgenic Tg2576 mice. *Neuropharmacology* 2018;148:50-67. doi: 10.1016/j.neuropharm.2018.12.018. [Epub ahead of print
13. Osmanović Barilar J, Knezović A, Babić Perhoč A et al. Shared cerebral metabolic pathology in nontransgenic animal models of Alzheimer's and Parkinson's disease. *J Neural Transm (Vienna)*. 2020 Feb;127(2):231-250
14. Osmanović Barilar J, Knezović A, Homolak J, Babić Perhoč A, Šalković-Petrišić M. Divergent Effect of Central Incretin Receptors Inhibition in a Rat Model of Sporadic Alzheimer's Disease. *International Journal of Molecular Sciences*. 2022; 23(1):548.
15. Homolak J, Babić Perhoč A, Knezović A, Osmanović Barilar J et al Failure of the Brain Glucagon-Like Peptide-1-Mediated Control of Intestinal Redox Homeostasis in a Rat Model of Sporadic Alzheimer's Disease. *Antioxidants (Basel)*. 2021 Jul 13;10(7):1118

Prezentacije

Usmeno predavanje „Alzheimer-like changes in streptozotocin treated rats“, 4th International conference of postgraduate medical students, Hradec Králové, Češka.

EACPT Focus Meeting 2016 “How to Assess Medicines from Research to Clinical Practice? Efficacy, Effectiveness, and Economic – 3E Assessment”. Naziv predavanja: “Inconsistency in preclinical and clinical trials exploring the role of hormone replacement therapy in Alzheimer’s disease”, 6- 9 Listopad, 2016 Opatija, Hrvatska

8. Hrvatsku kongres farmakologije s međunarodnim sudjelovanjem. Naziv predavanja: “Cognitive impairments and hormone replacement therapy in nonclinical and clinical trials”, 15-18. Rujan 2016 Split, Hrvatska

1Osmanovic Barilar J, Knezovic A, Babić-Perhoc B et al. „The effects of liraglutide and oral galactose in the rat model of sporadic Alzheimer’s disease”, 9th Croatian Congress of Pharmacology with International Participation, Zagreb, 25 – 28 September, 2019.

Osmanović Barilar J, Knezovic A, Babić-Perhoc B et al. “Different effects of acute central inhibition of the glucagon-like peptide 1 and gastrointestinal inhibitory peptide receptors in a rat model of sporadic Alzheimer’s disease”, 8th Croatian Neuroscience Conges, 24-25 September 2021.

Projekti

suradnik na više domaćih (MZOŠ 2005-2007, 2007-2012, potpora Sveučilišta u Zagrebu 2014, 2015, HRZZ 2015-2018: 2018-2022) i inozemnih projekata (DAAD 2005-2010, UKF 2010-2012)

Voditelj Sveučilišnih potpora (2021, 2022, 2023,)

Konferencije

Sudjelovanje na mnogim domaćim i internacionalnim kongresima vezanih uz područje farmakologije, Alzheimerovu bolest, neuroznanosti (više od 55 kongresnih sažetaka)

Priznanja i nagrade

2006 Deutscher Akademischer Austauschdienst (DAAD), Njemačka „Brain insulin system alterations in probable experimental model of Alzheimer’s disease” (PhD student’s grant)

2007 Najbolja tema disertacije (temeljno istraživanje) na Medicinskom fakultetu Sveučilišta u Zagrebu, predstavljena na kongresu: 4th International conference of postgraduate medical students, Hradec Králové, Češka. Usmeno predavanje „Alzheimer-like changes in streptozotocin treated rats“

Članstva

Hrvatsko društvo farmakologa
Hrvatsko društvo za farmakogenomiku
Hrvatsko društvo za kliničke farmakologiju i terapiju
Hrvatsko društvo za neuroznanost
The Federation of European Neuroscience Societies (FENS).