

OSOBNJE INFORMACIJE

Ana Babić Perhoč

ZVANJE

mag.pharm.

TITULA

dr.sc.

RADNO ISKUSTVO

06.2022 -

Viši asistent / poslijedoktorand

Sveučilište u Zagrebu Medicinski Fakultet, Šalata 3

Znanstvene aktivnosti u istraživanju na eksperimentalnim mišjim i štakorskim modelima Alzheimerove bolesti; izvođenje nastave na kolegiju Farmakologija na 3. godini integriranog dodiplomskog i diplomskog studija medicine na engleskom i hrvatskom jeziku.

01.2017 - 05.2022

Asistent/doktorand

Sveučilište u Zagrebu Medicinski fakultet

Znanstvene aktivnosti u istraživanju na eksperimentalnim mišjim i štakorskim modelima Alzheimerove bolesti; izvođenje nastave na kolegiju Farmakologija na 3. godini integriranog dodiplomskog i diplomskog studija medicine na engleskom i hrvatskom jeziku.

02.2014 - 01.2017

Stručnjak za farmakovigilanciju

Pliva Hrvatska d.o.o.

Vođenje tima za detekciju i evaluaciju signala, submisija ICSR-ova i pisanje periodičkih izvještaja o neškodljivosti lijekova u Tevinom globalnom centru za periodička izvješća i upravljanje rizicima.

03.2013 - 02.2014

Farmaceut

Zdravstvena ustanova Ljekarne Joukhadar

Ljekarnički staž.

OBRAZOVANJE I
OSPOSOBLJAVANJE

09.2016 - 12.2021

Doktorica znanosti

Sveučilište u Zagrebu Medicinski fakultet

09.2017 - 09.2017

Poslijediplomski certifikat: Program „Medicines risk identification and quantification“; modul „Principles of identifying and recognizing adverse events and safety signals“.

European Programme in Pharmacovigilance and Pharmacoepidemiology

09.2007 - 09.2012

Magistra farmacije

Sveučilište u Zagrebu Farmaceutsko-biokemijski fakultet

OSOBNJE VJEŠTINE

Materinski jezik hrvatski

Ostali jezici	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna interakcija	Govorna produkcija	
engleski jezik	C1/2: Iskusni korisnik	C1/2: Iskusni korisnik	C1/2: Iskusni korisnik	C1/2: Iskusni korisnik	C1/2: Iskusni korisnik
talijanski jezik	C1/2: Iskusni korisnik	C1/2: Iskusni korisnik	C1/2: Iskusni korisnik	C1/2: Iskusni korisnik	C1/2: Iskusni korisnik
njemački jezik	B1/2: Samostalni korisnik	B1/2: Samostalni korisnik	B1/2: Samostalni korisnik	B1/2: Samostalni korisnik	B1/2: Samostalni korisnik

Računalne vještine - MS Office paket (napredno poznavanje Excela)
- programski jezik R za statističku analizu

Ostale vještine - odobrenje za samostalan rad Hrvatske ljekarničke komore
- dopinški kontrolor Hrvatskog zavoda za javno zdravstvo

Vozačka dozvola B

DODATNE INFORMACIJE

Izdanja

Knjige

- Šalković-Petrišić M, Babić Perhoč A et al. Handbook of Neurotoxicity: Experimental Approach to Alzheimer's Disease with Emphasis on Insulin Resistance in the Brain. Springer 2021.
- Katzung BG et al. Temeljna i klinička farmakologija 14. izdanje. Medicinska naklada 2020.
- Ivetić Tkalčević V, Novak I, Babić A, Pogačić M, Raguž M et al. A journey into patient safety. Teva Ltd. 2017.

Originalni znanstveni radovi

- Knezovic, Ana; Piknjac, Marija; Osmanović Barilar, Jelena; Babic Perhoc, Ana; Virag, Davor; Homolak, Jan; Salkovic-Petrisic, Melita. Association of Cognitive Deficit with Glutamate and Insulin Signaling in a Rat Model of Parkinson's Disease // Biomedicines, 11 (2023), 3; 683, 21 doi:10.3390/biomedicines11030683
- Osmanović Barilar, Jelena; Babić Perhoč, Ana; Knezović, Ana; Homolak, Jan; Virag, Davor; Šalković-Petrišić, Melita. The Effect of the Sodium—Glucose Cotransporter Inhibitor on Cognition and Metabolic Parameters in a Rat Model of Sporadic Alzheimer's Disease // Biomedicines, 11 (2023), 4; 1025, 17 doi:10.3390/biomedicines11041025
- Grünblatt, Edna; Homolak, Jan; Babić Perhoč, Ana; Virag, Davor; Knezović, Ana; Osmanović Barilar, Jelena; Riederer, Peter; Walitza, Susanne; Tackenberg, Christian; Salković- Petrišić, Melita. From attention-deficit hyperactivity disorder to sporadic Alzheimer's disease—Wnt/mTOR pathways hypothesis // Frontiers in neuroscience, 17 (2023), 1104985, 22
- Knezović, Ana; Budiša, Stjepan; Babić Perhoč, Ana; Homolak, Jan; Osmanović Barilar, Jelena. From Determining Brain Insulin Resistance in a Sporadic Alzheimer's Disease Model to Exploring the Region-Dependent Effect of Intranasal Insulin // Molecular neurobiology, 60 (2023), 2005-2023 doi:10.1007/s12035-022-03188-5
- Homolak, Jan; Virag, Davor; Kodvanj, Ivan; Matak, Ivica; Babić Perhoč, Ana; Knezović, Ana; Osmanović Barilar, Jelena; Trkulja, Vladimir; Šalković- Petrišić, Melita. A hacked kitchen scale-based system for quantification of grip strength in rodents // Computers in biology and medicine, 144 (2022), 105391, 9 doi:10.1016/j.combiomed.2022.105391
- Barilar JO, Knezovic A, Homolak J, Perhoc AB, SalkovicPetrisic M. Divergent Effect of Central Incretin Receptors Inhibition in a Rat Model of Sporadic Alzheimer's Disease. Int J Mol Sci 2022;23(1).
- Homolak J, Perhoc AB, Knezovic A, Barilar JO, Virag D, Joja M, et al. The effect of acute oral galactose administration on the redox system of the rat small intestine. Antioxidants 2022;11(1).
- Homolak J, Kodvanj I, Babic Perhoc A, Virag D, Knezovic A, Osmanovic Barilar J, et al. Nitrocellulose redox permanganometry: A simple method for reductive capacity assessment. MethodsX 2022;9.
- Virag D, Homolak J, Kodvanj I, Babic Perhoc A, Knezovic A, Osmanovic Barilar J, et al. Repurposing a digital kitchen scale for neuroscience research: a complete hardware and software cookbook for PASTA. Sci Rep 2021;11(1).
- Homolak J, Babić Perhoč A et al. Is Galactose a Hormetic Sugar? An Exploratory Study of the Rat Hippocampal Redox Regulatory Network. Mol Nutr Food Res. 2021 Aug 27:e2100400.
- Homolak J, Babić Perhoč A 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.
- Homolak J, Babić Perhoč A et al. GLP-1 receptor - Do we really know what we're looking at? Acta Histochem. 2021 Jul;123(5):151732.
- Virag D, Homolak J, Kodvanj I, Babić Perhoč A et al. Repurposing a digital kitchen scale for neuroscience research: a complete hardware and software cookbook for PASTA. Sci Rep. 2021 Feb 3;11(1):2963.
- Homolak J, Babić Perhoč A et al. Additional methodological considerations regarding optimization of the dose of intracerebroventricular streptozotocin A response to: "Optimization of intracerebroventricular streptozotocin dose for the induction of neuroinflammation and memory impairments in rats" by Ghosh et al., Metab Brain Dis 2020 July 21. Metab Brain Dis. 2021 Jan;36(1):97-102.
- Osmanović Barilar J, Knezović A, Babić Perhoč A et al. Shared cerebral metabolic pathology in non-transgenic animal models of Alzheimer's and Parkinson's disease. J Neural Transm (Vienna). 2020 Feb;127(2):231-250.
- Babić Perhoč A et al. Cognitive, behavioral and metabolic effects of oral galactose treatment in the transgenic Tg2576 mice. Neuropharmacology. 2019 Apr;148:50-67.
- Knezović A, Osmanović Barilar J, Babić A et al. Glucagon-like peptide-1 mediates

effects of oral galactose in streptozotocin-induced rat model of sporadic Alzheimer's disease. *Neuropharmacology*. 2018 Jun;135:48-62.
•M Pogačić, J Žanetić, A Babić et al. Pharmacovigilance from the Perspective of a Pharmaceutical Company. *Medicus*. 2017 Jul;26:69.
•Drinovac V, Bach-Rojecky L, Babić A, Lacković Z. Antinociceptive effect of botulinum toxin type A on experimental abdominal pain. *Eur J Pharmacol* 2014;745:190-195.

Projekti

2023-2024 voditeljica, Pfizer Inc. 2022 Global TTR Amyloidosis Research ASPIRE projekt „The role of transthyretin in sporadic Alzheimer’s disease-associated leptomeningeal and cerebrovascular amyloidosis and neuroprotective potential of a brain directed tafamidis prodrug“, TransADamis #73521469 (2023.-2024.)

Članstva

- Hrvatsko društvo farmakologa
- Hrvatsko društvo za neuroznanost
- Hrvatsko društvo za biokemiju i molekularnu biologiju