

OSOBNJE INFORMACIJE

Nada Božina

ZVANJE

doktor medicine

TITULA

prof. dr. sc.

RADNO ISKUSTVO

10.2021 - 09.2024

Medicinski fakultet Sveučilište u Zagrebu, Šalata 3

Dodiplomska i poslijediplomska nastava iz farmakologije, farmakogenomike;
Voditelj međunarodnog projekta ERA PerMed; Konzultant na Uspostavnom projektu
HRZZ; Mentorstvo doktorata

04.2011 -

Pročelnik Kliničke jedinice za farmakogenomiku i individualizaciju terapije

Klinički bolnički centar Zagreb, 10 000 Zagreb, Kišpatićeva 12, www.kbc-zagreb.hr

www.kbc-zagreb.hr

Organizator i voditelj farmakogenetičkih ispitivanja u akreditiranom laboratoriju sa
svrhom testiranja na genetičku predispoziciju za neočekivan-promijenjen odgovor
na primijenjenu farmakoterapiju. Testiranja uključuju polimorfizme gena koji kodiraju
metaboličke enzime faze I i II, transportnih proteina te receptora.

12.1997 - 03.2011

Voditelj laboratorija za farmakogenetiku

Klinički bolnički centar Zagreb, Kišpatićeva 12, 10 000 Zagreb, www.kbc-zagreb.hr

www.kbc-zagreb.hr

Organizacija rada laboratorija za farmakogenetiku i provođenje farmakogenetičkih
testiranja

06.1987 - 11.1997

Voditelj laboratorija za stanične kulture u Centru za biomedicinska
istraživanja

Klinički bolnički centar zagreb, Šalata 2, 10 000 Zagreb

Organiziranje rada u Laboratoriju za stanične kulture te provođenje testiranja
aktivnosti i toksičnosti potencijalnih lijekova testovima in vitro

04.1983 - 05.1987

Analitičar u laboratoriju za stanične kulture

Klinički bolnički centar Zagreb

10.1979 - 03.1983

specijalizant na Klinici za unutarnje bolesti

Klinički bolnički centar

10.1977 - 09.1979

pripravnik

Klinički bolnički centar Zagreb

OBRAZOVANJE I OSPOSOBLJAVANJE

10.2000 - 10.2005	doktor biomedicinskih znanosti Medicinski fakultet Sveučilišta u Zagrebu
10.1978 - 07.1980	magistar medicinskih znanosti Medicinski fakultet Sveučilišta u Zagrebu
10.1972 - 07.1977	doktor medicine Medicinski fakultet Sveučilišta 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	B1/2: Samostalni korisnik	B1/2: Samostalni korisnik	B1/2: Samostalni korisnik

Komunikacijske vještine 2018. COST Association- CA17130 (The Action Enhancing Psychiatric Genetic Counselling, Testing, and Training in Europe – EnGagE). Predstavnicca za Hrvatsku

Organizacijske / rukovoditeljske vještine 2022.- voditeljica tima za Hrvatsku okviru EU Projekta: MULTIDISCIPLINARY RESEARCH PROJECTS ON PERSONALISED MEDICINE – DEVELOPMENT OF CLINICAL SUPPORT TOOLS FOR PERSONALISED MEDICINE IMPLEMENTATION”, pod nazivom Artificial intelligence for personalised medicine in depression - analysis and harmonization of clinical research data for robust multimodal patient profiling for the prediction of therapy outcome" 2020. Organizacija "Better Future of Healthy Ageing" Conference Iskustvo u organizaciji rada i rukovođenju laboratorijem a trenutno organizacijom rada i upravljanje poslovima u Kliničkom odjelu. Od 2019 predsjednica Hrvatskog društva za farmakogenomiku i personaliziranu terapiju. Organizirala tečajeve trajnog usavršavanja i simpozij: 2019. Farmakogenomika u personaliziranoj medicini 2015. Znanstveni odbor, EPST Integration of Pharmacogenomics in clinical decision support 2015. Znanstveni odbor VI. hrvatski kongres humane genetike 2013-tečaj "Farmakogenomika i farmakovigilancija - sprječavanje nuspojave u individualizaciji terapije - upute i smjernice" 2013 Suorganizator simpozija "GoldenHelix Pharmacogenomics Day", Zagreb

Poslovne vještine

Računalne vještine Microsoft Windows, Office

Vozačka dozvola B kategorija

DODATNE INFORMACIJE

Izdanja

- 1: Nikpali N, Samardžić J, Božina N, Šimičević L, Ganoci L, Božina T. Pharmacogenetics Approach for Personalized Tacrolimus Dosage in Heart Transplantation: A Case Report and Literature Review. *Genes (Basel)*. 2025;16(9):1010.
- 2: Medved S, Mihaljević-Peleš A, Bulum J, Sović S, Ganoci L, Božina N, Bais Janović M, Šaquad M, Jurak I. BDNF as a potential predictor of cardiac and depressive outcomes in patients 6- months after PCI with stent placement. *Prog Neuropsychopharmacol Biol Psychiatry*. 2025;140:111442.
- 3: Lovrić M, Dukić K, Čuković-Čavka S, Ganoci L, Božina N, Trkulja V. Therapeutic Drug Monitoring of Thiopurines in Patients With Inflammatory Bowel Disease: Observations From Daily Practice. *Ther Drug Monit*. 2025;47(5):676-681.
- 4: Božina N, Domjanović IK, Sporiš IŠ, Ganoci L, Lovrić M, Trkulja V. The Loss-of-Function ATP Binding Cassette Subfamily G Member 2 Polymorphism ABCG2 c.421C>A Reduces Lamotrigine Trough Concentrations in Adults with Epilepsy. *Eur J Drug Metab Pharmacokinet*. 2024 Nov 1. doi: 10.1007/s13318-024-00925-0. Epub ahead of print. PMID: 39485627.
- 5: Belančić A, Pavešić Radonja A, Ganoci L, Vitezić D, Božina N. Challenging pharmacotherapy management of a psychotic disorder due to a delicate pharmacogenetic profile and drug-drug interactions: a case report and literature review. *Croat Med J*. 2024 Aug 31;65(4):383-395. doi: 10.3325/cmj.2024.65.383. PMID: 39219201; PMCID: PMC11399719.
- 6: Nađ Škegrog S, Penezić L, Šimičević L, Hudolin T, Kaštelan Ž, Božina N, Trkulja V. The reduced function allele SLCO1B1 c.521T>C is of no practical relevance for the renal graft function over the first post-transplant year in patients treated with mycophenolic acid. *Pharmacogenet Genomics*. 2024 Sep 1;34(7):226-235. doi: 10.1097/FPC.0000000000000539. Epub 2024 May 20. PMID:39101384.
- 7: Ganoci L, Palić J, Trkulja V, Starčević K, Šimičević L, Božina N, Lovrić- Benčić M, Poljaković Z, Božina T. Is *CYP2C* Haplotype Relevant for Efficacy and Bleeding Risk in Clopidogrel-Treated Patients? *Genes (Basel)*. 2024 May 10;15(5):607. doi: 10.3390/genes15050607. PMID: 38790236; PMCID: PMC11121599.
- 8: Penezić L, Nađ-Škegrog S, Hadžavdić A, Ganoci L, Kaštelan Ž, Trkulja V, Božina N. Inosine monophosphate dehydrogenase type 2 polymorphism IMPDH2 3757T>C (rs11706052) and 12-month evolution of the graft function in renal transplant recipients on mycophenolate-based immunosuppression. *Pharmacogenomics J*. 2024 May 20;24(3):15. doi: 10.1038/s41397-024-00335-0. PMID: 38769303.
- 9: Šušak Sporiš I, Božina N, Klarica Domjanović I, Sporiš D, Bašić S, Bašić I, Lovrić M, Ganoci L, Trkulja V. Breast cancer resistance protein polymorphism ABCG2 c.421C>A (rs2231142) moderates the effect of valproate on lamotrigine trough concentrations in adults with epilepsy. *Fundam Clin Pharmacol*. 2024 Apr;38(2):351-368. doi: 10.1111/fcp.12958. Epub 2023 Oct 4. PMID: 37793994.
- 10: Šarac I, Šarac H, Božina T, Šimičević L, Borovečki F, Henigsberg N, Božina N, Sertić J, Ivek I. METOCLOPRAMIDE-INDUCED ACUTE DYSTONIC REACTION IN TWO PATIENTS, CYP2D6 *4/*4, *10/*10 (POOR) AND *1/*5 (INTERMEDIATE) METABOLIZERS. *Psychiatr Danub*. 2023 Summer;35(2):269-271. doi: 0.24869/psyd.2023.269. PMID:37480318.
- 11: Koido K, Malmgren CI, Pojskic L, Almos PZ, Bergen SE, Borg I, Božina N, Coviello DA, Degenhardt F, Ganoci L, Jensen UB, Durand-Lennad L, Laurent-Levinson C, McQuillin A, Navickas A, Pace NP, Paneque M, Rietschel M, Grigoriou-Serbanescu M, Soller MJ, Suvisaari J, Utkus A, Van Assche E, Vissouze L, Zuckerman S, Chaumette B, Tammimies K. Lack of guidelines and translational knowledge is hindering the implementation of psychiatric genetic counseling and testing within Europe - A multi-professional survey study. *Eur J Med Genet*. 2023;66(8):104805. doi: 10.1016/j.ejmg.2023.104805. Epub 2023 Jul 3. PMID: 37406854.
- 12: Božina N, Sporiš IŠ, Domjanović IK, Ganoci L, Šimičević L, Lovrić M, Romić ZČ, Gadže ŽP, Trkulja V. Bearing variant alleles at uridine glucuronosyltransferase polymorphisms UGT2B7 -161C > T (rs7668258) or UGT1A4*3 c.142 T > G (rs2011425) has no relevant consequences for lamotrigine troughs in

adults with epilepsy. Eur J Clin Pharmacol. 2023 Aug;79(8):1117-1129. doi: 10.1007/s00228-023-03526-z. Epub 2023 Jun 20. PMID: 37340142.
10: van Schaik RH, Manolopoulos VG, Daly AK, Niemi M, Zukic B, Patrinos GP, Primorac D, Swen JJ, Ingelman-Sundberg M, Morris T, Molden E, Müller D, Pavlovic S, Russmann S, Ansari M, Henricks LM, den Broek WV, Florindi F, Bozina N, Akin D, Christrup L, Llerena A, Sipeky C, Stankovic S. The Sixth European Society of Pharmacogenomics and Personalised Therapy Congress. Pharmacogenomics. 2023 Apr;24(5):243-246. doi: 10.2217/pgs-2023-0013. Epub 2023 Apr 4. PMID: 37014361.

- 13: Lešnjaković L, Ganoci L, Bilić I, Šimičević L, Mucalo I, Pleština S, Božina N. *DPYD* genotyping and predicting fluoropyrimidine toxicity: where do we stand? *Pharmacogenomics*. 2023 Jan;24(2):93-106. doi: 10.2217/pgs-2022-0135. Epub 2023 Jan 13. PMID: 36636997.
- 14: Božina T, Karačić E, Ganoci L, Čuković-Čavka S, Palić J, Božina N, Šimičević L. *UGT2B7* c.-161C>T polymorphism frequency in Croatian population. *Arh Hig Rada Toksikol*. 2022 Dec 30;73(4):303-307. doi: 10.2478/aiht-2022-73-3663. PMID: 36607721; PMCID: PMC9985345.
- 15: Nedic Erjavec G, Grubor M, Zivkovic M, Božina N, Sagud M, Nikolac Perkovic M, Mihaljevic-Peles A, Pivac N, Svob Strac D. *SLC6A3*, *HTR2C* and *HTR6* Gene Polymorphisms and the Risk of Haloperidol-Induced Parkinsonism. *Biomedicines*. 2022 Dec 13;10(12):3237. doi: 10.3390/biomedicines10123237. PMID: 36551993; PMCID: PMC9776373.
- 16: Borić-Bilušić AA, Božina N, Lalić Z, Lovrić M, Nađ-Škegro S, Penezić L, Barišić K, Trkulja V. Loss of Function *ABCG2* c.421C>A (rs2231142) Polymorphism Increases Steady-State Exposure to Mycophenolic Acid in Stable Renal Transplant Recipients: An Exploratory Matched Cohort Study. *Adv Ther*. 2023 Feb;40(2):601-618. doi: 10.1007/s12325-022-02378-w. Epub 2022 Nov 25. PMID: 36434147.
- 17: Božina T, Ganoci L, Karačić E, Šimičević L, Vrkić-Kirhmajer M, Klarica-Domjanović I, Križ T, Sertić Z, Božina N. *ABCG2* and *SLCO1B1* gene polymorphisms in the Croatian population. *Ann Hum Biol*. 2022 Dec;49(7-8):323-331. doi: 10.1080/03014460.2022.2140826. Epub 2022 Dec 9. PMID: 36382878.
- 18: Šarac I, Šarac H, Henigsberg N, Borovečki F, Božina N, Pašić H, Sertić J, Krešić Z. Craniocervical Dystonia Induced by Oxycodone-Escitalopram: Possible Role of Gene Polymorphism and Drug-Drug Interactions. *Psychiatr Danub*. 2022 Fall;34(3):506-508. doi: 10.24869/psyd.2022.506. PMID: 36256989.
- 19: Šimičević L, Canjuga I, Zibar L, Borić-Bilušić A, Ganoci L, Božina N. Rapid clearance of tacrolimus blood concentration triggered by variant pharmacogenes. *J Clin Pharm Ther*. 2022 Sep;47(9):1461-1465. doi: 10.1111/jcpt.13650. Epub 2022 Mar 27. PMID: 35342959.
- 20: Weber H, Maihofer AX, Jaksic N, Bojic EF, Kucukalic S, Džananovic ES, Uka AG, Hoxha B, Haxhibeqiri V, Haxhibeqiri S, Kravic N, Umihanic MM, Franc AC, Babic R, Pavlovic M, Mehmedbasic AB, Aukst-Margetic B, Kucukalic A, Marjanovic D, Babic D, Božina N, Jakovljevic M, Sinanovic O, Avdibegović E, Agani F, Warrings B, Domschke K, Nievergelt CM, Deckert J, Dzibur-Kulenovic A, Erhardt A. Association of polygenic risk scores, traumatic life events and coping strategies with war-related PTSD diagnosis and symptom severity in the South Eastern Europe (SEE)-PTSD cohort. *J Neural Transm (Vienna)*. 2022 Jun;129(5-6):661-674. doi: 10.1007/s00702-021-02446-5. Epub 2021 Nov 27. PMID: 34837533; PMCID: PMC9188618.
- 21: Božina N, Bilić I, Ganoci L, Šimičević L, Pleština S, Lešnjaković L, Trkulja V. *DPYD* polymorphisms c.496A>G, c.2194G>A and c.85T>C and risk of severe adverse drug reactions in patients treated with fluoropyrimidine-based protocols. *Br J Clin Pharmacol*. 2022 May;88(5):2190-2202. doi: 10.1111/bcp.15144. Epub 2021 Dec 6. PMID: 34780066.
- 22: Merćep I, Radman I, Trkulja V, Božina T, Šimičević L, Budimir E, Ganoci L, Božina N. Loss of function polymorphisms in *SLCO1B1* (c.521T>C, rs4149056) and *ABCG2* (c.421C>A, rs2231142) genes are associated with adverse events of rosuvastatin: a case-control study. *Eur J Clin Pharmacol*. 2022 Feb;78(2):227-236. doi: 10.1007/s00228-021-03233-7. Epub 2021 Oct 19. PMID: 34668025.
- 23: Božina N, Ganoci L, Šimičević L, Gvozdanić K, Domjanović IK, Fistrek Prlić M, Križ T, Borić Bilušić A, Laganović M, Božina T. Drug-drug-gene interactions as

mediators of adverse drug reactions to diclofenac and statins: a case report and literature review. *Arh Hig Rada Toksikol.* 2021 Jun 28;72(3):114-128. doi: 10.2478/aiht-2021-72-3549. PMID: 34187111; PMCID: PMC8265195.

24: Turner RM, Radman I, Božina N, Alfirević A. Pharmacogenetics and statin-related myopathy: what do we know? *Pharmacogenomics.* 2020 Aug;21(12):821-825. doi: 10.2217/pgs-2020-0041. Epub 2020 Jul 29. PMID: 32723135.

25: Ganoci L, Trkulja V, Živković M, Božina T, Šagud M, Lovrić M, Božina N. ABCB1, ABCG2 and CYP2D6 polymorphism effects on disposition and response to long-acting risperidone. *Prog Neuropsychopharmacol Biol Psychiatry.* 2021 Jan 10;104:110042. doi: 10.1016/j.pnpbp.2020.110042. Epub 2020 Jul 17. PMID: 32682874.

26: Božina N, Vrkić Kirhmajer M, Šimičević L, Ganoci L, Mirošević Skvrce N, Klarica Domjanović I, Merčep I. Use of pharmacogenomics in elderly patients treated for cardiovascular diseases. *Croat Med J.* 2020 Apr 30;61(2):147-158. doi: 10.3325/cmj.2020.61.147. PMID: 32378381; PMCID: PMC7230415.

25: Kuruc Poje D, Božina N, Šimičević L, Žabić I. Severe hyperglycaemia following pazopanib treatment: The role of drug-drug-gene interactions in a patient with metastatic renal cell carcinoma-A case report. *J Clin Pharm Ther.* 2020 Aug;45(4):628-631. doi: 10.1111/jcpt.13160. Epub 2020 May 5. PMID:32369219.

26: Skvrce NM, Krivokapić S, Božina N. Implementation of pharmacogenomics in product information. *Pharmacogenomics.* 2020 May;21(7):443-448. doi:10.2217/pgs-2019-0166. Epub 2020 Apr 27. PMID: 32336208.

27: Zivkovic M, Mihaljevic-Peles A, Muck-Seler D, Sagud M, Ganoci L, Vlatkovic S, Tudor L, Pivac N, Božina N. Remission Is not Associated with DRD2 rs1800497 and DAT1 rs28363170 Genetic Variants in Male Schizophrenic Patients after 6-months Monotherapy with Olanzapine. *Psychiatr Danub.* 2020 Spring;32(1):84-91. doi: 10.24869/psyd.2020.84. PMID: 32303037.

28: Samardžić J, Božina N, Skoric B, Ganoci L, Krpan M, Petricević M, Pasalić M, Božina T, Pavasović S, Cikes M, Milicic D. Impact of Continuous P2Y12 Inhibition Tailoring in Acute Coronary Syndrome and Genetically Impaired Clopidogrel Absorption. *J Cardiovasc Pharmacol.* 2020 Feb;75(2):174-179. doi: 10.1097/FJC.0000000000000767. PMID: 32023226.

29: Bosnjak Kuharić D, Božina N, Ganoci L, Makarić P, Kekić I, Prpić N, Božina T, Rojnić Kuzman M. Association of HSPA1B genotypes with psychopathology and neurocognition in patients with the first episode of psychosis: a longitudinal 18-month follow-up study. *Pharmacogenomics J.* 2020 Oct;20(5):638-646. doi: 10.1038/s41397-020-0150-9. Epub 2020 Feb 4. PMID: 32015459.

30: Pejanović-Skobić N, Marković I, Božina N, Basić S. Lack of association of SCN2A rs17183814 polymorphism with the efficacy of lamotrigine monotherapy in patients with focal epilepsy from Herzegovina area, Bosnia and Herzegovina. *Epilepsy Res.* 2019 Dec;158:106221. doi: 10.1016/j.eplepsyres.2019.106221. Epub 2019 Oct 23. PMID: 31707316.

31: Božina N, Sporiš IŠ, Božina T, Klarica-Domjanović I, Tvrdeić A, Sporiš D. Pharmacogenetics and the treatment of epilepsy: what do we know? *Pharmacogenomics.* 2019 Oct;20(15):1093-1101. doi: 10.2217/pgs-2019-0085. PMID: 31588875.

32: Rojnić Kuzman M, Bosnjak Kuharić D, Ganoci L, Makarić P, Kekić I, Rossini Gajsak L, Prpić N, Božina T, Bajić Z, Božina N. Association of CNR1 genotypes with changes in neurocognitive performance after eighteen-month treatment in patients with first-episode psychosis. *Eur Psychiatry.* 2019 Sep;61:88-96. doi: 10.1016/j.eurpsy.2019.07.004. Epub 2019 Aug 6. PMID: 31398679.

33: Jaksic N, Šabić Džananović E, Aukst Margetic B, Rudan D, Cima Franc A, Božina N, Ferić Bojić E, Kučukalić S, Džubur Kulenović A, Marjanović D, Avdibegović E, Babić D, Agani F, Kučukalić A, Bravo Mehmedbašić A, Kravić N,

Muminović Umihanić M, Sinanović O, Babić R, Pavlović M, Haxhibeqiri S, Goci Uka A, Hoxha B, Haxhibeqiri V, Ziegler C, Wolf C, Warrings B, Domschke K, Deckert J, Jakovljević M. A Candidate Gene Association Study of FKBP5 and CRHR1 Polymorphisms in Relation to War-Related Posttraumatic Stress Disorder. *Psychiatr Danub.* 2019 Jun;31(2):269-275. doi: 10.24869/psyd.2019.269. PMID: 31291236.

34: Hoxha B, Goçi Uka A, Agani F, Haxhibeqiri S, Haxhibeqiri V, Sabic Džananović E, Kucukalić S, Bravo Mehmedbašić A, Kucukalić A, Džubur Kulenović A, Ferić Bojić E, Marjanović D, Kravić N, Avdibegović E, Muminović Umihanić M, Jaksic N, Cima Franc A, Rudan D, Jakovljević M, Babić R, Pavlović M, Babić D, Aukst Margetic B, Božina N, Sinanović O, Ziegler C, Warrings B, Domschke K, Deckert J, Wolf C, Vyshka G. The Role of TaqI DRD2 (rs1800497) and DRD4 VNTR Polymorphisms in Posttraumatic Stress Disorder (PTSD). *Psychiatr Danub.* 2019 Jun;31(2):263-268. doi: 10.24869/psyd.2019.263. PMID: 31291235.

35: Goçi Uka A, Agani F, Blyta A, Hoxha B, Haxhibeqiri S, Haxhibeqiri V, Sabic Džananović E, Kucukalić S, Bravo Mehmedbašić A, Kucukalić A, Džubur-Kulenović A, Ferić Bojić E, Marjanović D, Kravić N, Avdibegović E, Muminović Umihanić M, Jaksic N, Cima Franc A, Rudan D, Jakovljević M, Babić R, Pavlović M, Babić D, Aukst Margetic B, Božina N, Sinanović O, Ziegler C, Warrings B, Domschke K, Deckert J, Wolf C. Role of the Allelic Variation in the 5-Hydroxytryptamine Receptor 1A (HTR1A) and the Tryptophan Hydroxylase 2 (TPH2) Genes in the Development of PTSD. *Psychiatr Danub.* 2019 Jun;31(2):256-262. doi:10.24869/psyd.2019.256. PMID: 31291234.

36: Haxhibeqiri V, Haxhibeqiri S, Topciu-Shufta V, Agani F, Goci Uka A, Hoxha B, Džubur Kulenović A, Jakovljević M, Avdibegović E, Kravić N, Muminović Umihanić M, Sinanović O, Šabić Džananović E, Kučukalić A, Kučukalić S, Bravo Mehmedbašić A, Aukst Margetic B, Jakšić N, Cima Franc A, Rudan D, Pavlović M, Babić R, Ferić Bojić E, Marjanović D, Božina N, Ziegler C, Wolf C, Warrings B, Domschke K, Deckert J, Babić D. The Association of Catechol-O-Methyl-Transferase and Interleukin 6 Gene Polymorphisms with Posttraumatic Stress Disorder. *Psychiatr Danub.* 2019 Jun;31(2):241-248. doi: 10.24869/psyd.2019.241. PMID: 31291232.

37: Muminović Umihanić M, Babić R, Kravić N, Avdibegović E, Džubur Kulenović A, Agani F, Jakovljević M, Babić D, Kucukalić A, Kucukalić S, Sabic Džananović E, Bravo Mehmedbašić A, Goci Uka A, Haxhibeqiri S, Hoxha B, Haxhibeqiri V, Aukst Margetic B, Jaksic N, Cima Franc A, Rudan D, Pavlović M, Ferić Bojić E, Marjanović D, Božina N, Ziegler C, Wolf C, Warrings B, Domschke K, Deckert J, Sinanović O. Associations between Polymorphisms in the Solute Carrier Family 6 Member 3 and the Myelin Basic Protein Gene and Posttraumatic Stress Disorder. *Psychiatr Danub.* 2019 Jun;31(2):235-240. doi: 10.24869/psyd.2019.235. PMID: 31291231.

38: Ferić Bojić E, Kučukalić S, Džubur Kulenović A, Avdibegović E, Babić D, Agani F, Jakovljević M, Kučukalić A, Bravo Mehmedbašić A, Šabić Džananović E, Kravić N, Babić R, Pavlović M, Aukst Margetic B, Jaksic N, Cima Franc A, Rudan D, Haxhibeqiri S, Goci Uka A, Hoxha B, Haxhibeqiri V, Muminović Umihanić M, Sinanović O, Božina N, Ziegler C, Wolf C, Warrings B, Domschke K, Deckert J, Marjanović D. Associations of Gene Variations in Neuropeptide Y and Brain Derived Neurotrophic Factor Genes with Posttraumatic Stress Disorder. *Psychiatr Danub.* 2019 Jun;31(2):227-234. doi: 10.24869/psyd.2019.227. PMID: 31291230.

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Prezentacije

20.05.2023. Primjena farmakogenomike u kliničkoj praksi – primjer personalizirane medicine, tečaj stalnog medicinskog održavanja-voditelj tečaja

4.6. 2020. Pozvano predavanje na konferenciji Better Future of Healthy Ageing, s temom Farmakogenomika .

23.10.2018. Primjenjena genomika-precizna medicina, pozvano predavanje: Dometi farmakogenomike u preciznoj medicini.

12.12.2018.Hrvatsko društvo farmakologije (HDF): edukativni simpozij „Aktualne teme iz farmakologije“. Božina N. Farmakogenomika u kliničkoj praksi: preporuke i smjernice, Zagreb,

Projekti

2022. Međunarodni projekt ERA PerMed "Artificial intelligence for personalised medicine in depression - analysis and harmonization of clinical research data for robust multimodal patient profiling for the prediction of therapy outcome" voditelj za Hrvatsku
2021. konzultant na uspostavnom HRZZ projektu "Pharmacogenomics in prediction of cardiovascular drugs adverse reaction- PGx-CardioDrug
2018.- COST Association- CA17130 (The Action Enhancing Psychiatric Genetic Counselling, Testing, and Training in Europe – EnGagE)
2018. - suradnik na projektu , Potpora Sveučilišta u Zagrebu, "Uloga genskog polimorfizma metaboličkih enzima citokroma P450(CYP) kao čimbenika hepatotoksičnosti"
2017. Voditelj projekta , potpora Sveučilišta u Zagrebu“ Uloga farmakogenetike u interakcijama i nuspojavama opioidnih lijekova“
2013- Voditelj projekta:“Farmakogenomika i farmakovigilancija - sprečavanje nuspojava u individualizaciji terapije”.
Suradnik na međunarodnom projektu,
2013.Suradnja sa Sveučilištem u Würzburgu na projektu

Konferencije

2025 Voditelj simpozija Farmakogenetika u personaliziranoj medicini na 11. Hrvatskom kongresu farmakologije s međunarodnim sudjelovanjem, Split, 25.-28. rujna
2022. Pozvani predavač na ESHG Pharmacogenetics Course , Portorož Slovenija, September 21-24
2022. Voditelj simpozija Farmakogenomika - 10th Croatian Congress of Pharmacology with International Participation & 1st Croatian Congress of Clinical Pharmacology, Rujan 22-25
Sudjelovala kao pozvani predavač na konferencijama i simpozijima s temama farmakologija i toksikologija, sigurnost primjene lijeka, farmakogenomika

Priznanja i nagrade

Nagrade na simpozijima:
2013. Falk Symposium, London: Cota M, Cukovic-Cavka S, Božina N, Brinar M, Crncevic Urek M, Turk N, Krznaric Z, Vucelic B. "Inosine Triphosphate Pyrophosphatase And Xanthine Oxidase Gene Variability in Croatian Inflammatory Bowel Disease Patients"
2012. 2nd EFCC-UEMS Congress "Laboratory Medicine at the Clinical Interface", Mirošević Skvrce N, Božina N, Pejnović L, Barišić I, Zibar L, Macolić-Šarinić V. "ABCG2 Gene Variant And Fluvastatin Adverse Drug Reactions in Renal Transplant Recipients"
2012. Deveti psihijatrijski dani: Vlatkovic S, Zivkovic M, Mihaljevic-Peles A, Sagud M, Božina N. Pisa Syndrome And Bipolar Affective Disorder.
2006. XIV World Congress on Psychiatric Genetics: Božina N, Mihaljević-Peješ A, Šagud M, Jakovljević M, Sertić J."Serotonin Transporter Polymorphism And Paroxetine Drug Response in Major Depression Disorder"
2001. III Hrvatski kongres farmakologije: Božina N, Tramišak I, Medved V, Mihaljević-Peješ A, Granić P, Stavljenić-Rukavina A. "CYP2D6 Genotype And

Članstva

Hrvatsko društvo za farmakogenomiku i personaliziranu terapiju (predsjednica društva)
Hrvatsko društvo farmakologa
Hrvatsko društvo za humanu genetiku
Hrvatsko društvo za biološki psihijatriju
European Society of Pharmacogenomics and Personalised Therapy (ESPT), International Association of therapeutic drug monitoring and clinical toxicology, European Society of Human Genetics