

## Dosežki raziskovalcev centra odličnosti v obdobju od 2009 do 2024

### Patenti

1. ZOREC, Robert, STENOVEC, Matjaž, TRKOV, Saša, VARDJAN, Nina, POTOKAR, Maja, KREFT, Marko, GABRIJEL, Mateja, JORGACĚVSKI, Jernej. *Screening methods based on vesicle mobility* : EP2732285 (B1), 2017-08-09. München: European Patent Office, 9. 8. 2017. 14 str., tabele, ilustr. <https://www.google.si/patents/US20140178892?dq=Zorec+Robert&hl=en&sa=X&ved=0ahUKEwiPk7iJ6uPYAhUGK1AKHXh-CcUO6AEILTAB>. [COBISS.SI-ID [33601753](#)]  
patentna družina: WO2013007325 (A1), 2013-01-17; SI23811 (A), 2013-01-31; US2014178892 (A1), 2014-06-26, kategorija: 2E (Z, A", A', A1/2); tip dela je verificiral OSICT, točke: 25, št. avtorjev: 8
2. POKLAR ULRIH, Nataša, VILFAN, Tanja. *Methods for degradation of protein deposits and prions = Abbaumethoden von Proteinablagerungen und Prionen = Méthodes pour la dégradation des dépôts de protéine et prions* : European patent specification : EP 2 311 323 (B1), 2013-01-16. [Paris]: Europäisches Patentamt: = European Patent Office: = Office européen des brevets, 2013. 17 str., ilustr. [COBISS.SI-ID [4197240](#)], kategorija: 2E (Z, A", A', A1/2); tip dela je verificiral OSICT, točke: 100, št. avtorjev: 2
3. Andraž Stožer, Iztok Kramberger, Sergej Prosen, Gregor Nikolić, *Device for measurement of urine flow and a system for diagnostics of micturition disorders comprising said device = Vorrichtung zur Messung des Harnflusses und System zur Diagnose von Miktionsstörungen mit dieser Vorrichtung = Dispositif de mesure de débit urinaire et système de diagnostic de troubles de la miction comprenant ledit dispositif* : European Patents EP 4212096 A1, 2023-07-19, München: Europäisches Patentamt, 2023, 15 str., ilustr., <https://register.epo.org/application?number=EP22151488&tab=main>. [COBISS.SI-ID [193647619](#)]
4. KOSEC, Gregor, FUJS, Štefan, PETKOVIĆ, Hrvoje, SIBON, Oda Cornelia Maria, SRINIVASAN, Balaji. *Phosphopantetheine compounds alone or in combination with HMG-coA reductase inhibitors for lowering serum cholesterol and serum triglycerides* : United States patent US 10,624,908 B2, 2020-04-21. [Alexandria: United States Patent and Trademark Office], 2020. 16 str., ilustr. [COBISS.SI-ID [4847480](#)]  
patentna družina: US2018214461 (A1), 2018-08-02; P-201400452, 2014-12-23; SI24899 (A), 2016-06-30; EP3236958 (A1), 2017-11-01; AU2015370919 (A1), 2017-07-06; CA2970852 (A1), 2016-06-30; WO2016102680 (A1), 2016-06-30
5. ŠEME, Helena, FUJS, Štefan, GJURAČIĆ, Krešimir, PETKOVIĆ, Hrvoje, KOSEC, Gregor, ŠTEMPELJ, Mateja, ŠVIGELJ, Karmen, STRNAD, Tone. *New strains of the genus Lactobacillus and use thereof = Neue Lactobacillus-Stämme und deren Verwendung = Nouvelles souches de lactobacillus et leur utilisation* : European Patent specification EP 3 092 320 B1, 2019-05-29. Munich: European Patent Office, 2019. 16 str., ilustr. [COBISS.SI-ID [4547960](#)]  
patentna družina: EP3092320 (A1), 2016-11-16; P-201300443, 2013-12-23; SI24570 (A), 2015-06-30; US10098916 (B2), 2018-10-16; CA2934871 (A1), 2015-07-02; WO2015099617 (A1), 2015-07-02
6. ŠVAGELJ, Mirjan, FUJS, Štefan, KOSEC, Gregor, PETKOVIĆ, Hrvoje. *Co-cultivation of propionibacterium and yeast* : US 9938554 (B2), 2018-04-10. [Alexandria: United States Patent and Trademark Office], 2018. [8] str., ilustr. [COBISS.SI-ID [4907128](#)]  
patentna družina: US 2017/0145467 (A1), 2017-05-25; WO 2015/169967 (A1), 2015-11-12; EP 2 942 397 (A1), 2015-11-11; EP3140416 (A1), 2017-03-15; JP2017514526 (A), 2017-06-08
7. PETKOVIĆ, Hrvoje, KUŠČER, Enej, FUJS, Štefan, KOPITAR, Gregor, MRAK, Peter, KOSEC, Gregor. *Process for preparation of tacrolimus = Verfahren zur Herstellung von Tacrolimus = Procédé de préparation de tacrolimus* : EP 2 451 955 (B1), 2018-01-24. Paris: Europäisches Patentamt: = European Patent Office: = Office Européen des brevets, 2018. 74 str., ilustr. [COBISS.SI-ID [4523896](#)]  
patentna družina: US 8980585 (B2), 2015-03-17; US 2012295316 (A1), 2012-11-22; EP 2451955 (A1), 2012-05-16; WO 2011004008 (A1), 2011-01-13; CA 2767491 (A1), 2011-01-13; International application number PCT/EP2010/059896, 2010-07-09
8. JENKO, Branko, KOSEC, Gregor, PETKOVIĆ, Hrvoje, PODGORŠEK BERKE, Ajda, PAHOR, Jerca, ČUSAK, Alen, SIBON, Oda Cornelia Maria, SRINIVASAN, Balaji. *Stable pantetheine derivatives for the treatment of pantothenate kinase associated neurodegeneration (PKAN) and methods for the synthesis of such compounds* : United States Patent US 9963472 B2, 2018-05-08. [S.I.: United States Patent and Trademark Office], 2018. [18] str., ilustr. [COBISS.SI-ID [5037432](#)]  
patentna družina: US20160297840 (A1), 2016-10-13; EP 13191457, 2013-11-04; EP2868662 (A1), 2015-05-06; EP3066106 (A1), 2016-09-14; CA2929369 (A1) 2015-05-07; CN105764909 (A) 2016-07-13; JP2016536360 (A1), 2016-11-24; US2018118767 (A1) 2018-05-03; WO2015063177 (A1), 2015-05-07

9. PETKOVIĆ, Hrvoje, RASPOR, Peter, LEŠNIK, Urška. *Genes for biosynthesis of tetracycline compounds and uses thereof : European patent specification : EP 2 154 150 B1, 2017-10-11*. Paris: Europäisches Patentamt: = European Patent Office: = Office Européen des brevets, 11. 10. 2017. 85 str., ilustr. [COBISS.SI-ID [4250744](#)]  
patentna družina: United States Patent, US 8,361,777 B2, 2013-0129; Patentna prijava: EP 2 154 249 A1, 2010-02-17; Patentna prijava: US 2010/0035847 A1, 2010-02-11
10. Gregor Kosec, Vasilka MAGDEVSKA, Štefan FUJS, Bor KLANCNIK, Monika KOZLEVCAR, Helena JALŠOVEC  
Peroxidase based biocontrol agents Patentna prijava WO2024017883A1 Priority 2022-07-18 • Filed 2023-07-18 •  
Published 2024-01-25
11. Tina KOGEJ, Gregor Kosec, Olivier ETCHEPARE, Stefan Fujs Control of plant pests by microbial agents Patentna  
prijava WO2023144351A1 Priority 2022-01-28 • Filed 2023-01-27 • Published 2023-08-03
12. David VIRANT, Aleksander Johannes KRUIS, Toni NAGODE, Gregor Kosec. Genetically modified bacteria resistant  
to mass cell lysis Patentna prijava WO2023139255A1 Priority 2022-01-21 • Filed 2023-01-23 • Published 2023-07-27
13. Nika Lendero Krajnc, Gregor Kosec, Petra KRALJ, Štefan FUJSMirjan ŠVAGELJ, Nicholas Camp Novel spinosyn  
compounds Patentna prijava WO2022258692A1 Priority 2021-06-08 • Filed 2022-06-08 • Published 2022-12-15
14. Tina KOGEJ, Gregor Kosec, Stefan Fujs, Marko BLAZIC, Jaka HORVAT Genetically engineered bacterium capable  
of producing cytokinins with isoprenoid side chains Patentna prijava EP4251745A1 Priority 2020-11-26 • Filed 2021-  
11-26 • Published 2023-10-04
15. Gregor Kosec, Nika Lendero Krajnc, Stefan Fujs, Nicholas Camp Novel spinosyn prodrugs Patentna prijava  
EP4079744A1 Priority 2021-04-23 • Filed 2021-04-23 • Published 2022-10-26
16. ZOREC, Robert, STENOVEC, Matjaž, TRKOV, Saša, VARDJAN, Nina, POTOKAR, Maja, KREFT, Marko,  
GABRIJEL, Mateja, JORGACĚVSKI, Jernej. *Screening methods based on vesicle mobility : EP2732285 (B1), 2017-  
08-09*. München: European Patent Office, 9. 8. 2017. 14 str., tabele,  
ilustr. <https://www.google.si/patents/US20140178892?dq=Zorec+Robert&hl=en&sa=X&ved=0ahUKEwiPk7iJ6uPYAhUGK1AKHXh-CcUQ6AEILTAB>. [COBISS.SI-ID [33601753](#)]
17. JAKLIČ, Domen, LAPANJE, Aleš, ZUPANČIČ, Klemen, GUNDE-CIMERMAN, Nina. *Clinical application of  
Lucilia sericata larval excreta/secreta for chronic wound treatment*. Chicago: Unuited States Patent and Trademark  
Office, Feb. 6, 2009. 3 str. [COBISS.SI-ID [25581273](#)]
18. DIERICKX, William, DE CUYPER, Dirk, POKLAR ULRIH, Nataša, GUNDE-CIMERMAN, Nina. *Method for  
producing a polymer product from polar lipids from archaea as carriers of living microbial cells and biological  
barriers in plastic and textile : EP 2 518 138 (A1), 2012-10-31*. Rijswijk: European Patent Office, 2012. 19 str., ilustr.  
[COBISS.SI-ID [2424911](#)]
19. MIHELIC, Marko, RENKO, Miha, TURK, Dušan. *Crystal structure of Staphylococcus aureus autolysin E, method of  
producing the crystal and its use in screening methods : European Patent Office EP 3289078 B1*. Muenchen: Euroepan  
Patent Office, 2019. 69 str., ilustr. [COBISS.SI-ID [16208387](#)]
20. ŠNAJDER, Marko, POKLAR ULRIH, Nataša, MIHELIC, Marko, TURK, Dušan. *Čezmerna produkcija  
rekombinantne oblike pernizina v heterolognem ekspresijskem sistemu : SI24364 (A), 2014-11-28*. Ljubljana: Urad RS  
za intelektualno lastnino, 2014. [28] f., ilustr. [COBISS.SI-ID [4484984](#)]
21. PSAKHIE, Sergey, LERNER, Izraillevich Marat, GLAZKOVA, Elena Alekseevna, BAKINA, Olga Vladimirovna,  
VASILJEVA, Olga, MIKHAYLOV, Georgy, TURK, Boris. Low-dimensional structures of organic and/or inorganic  
substances and use thereof : United States patent US10105318 (B2), 2018-10-23. [S. I.]: United States Patent and  
Trademark Office, 2018. 21 str., ilustr. [COBISS.SI-ID [29330727](#)]
22. patentna družina: US2016074325 (A1), 2016-03-17; RU20130123074, 2013-05-20; RU2560432 (C2), 2015-08-20;  
DE112014002481 (T5), 2016-03-03; EA201501106 (A1), 2016-04-29; WO2014189412 (A1), 2014-11-VASILJEVA,  
Olga, MIKHAYLOV, Georgy, TURK, Boris, SCHASCHKE, Norbert. Cathepsin-binding compounds bound to a  
carrier and their diagnostic use : United States patent US9827337 (B2), 2017-11-28. Alexandria: United States Patent  
and Trademark Office, 2017. [COBISS.SI-ID [29338663](#)]
23. patentna družina: US2014227175 (A1), 2014-08-14; EP2723387 (B1), 2018-04-18; EP11005110, 2011-06-22;  
BR112013032766 (A2), 2017-04-25; EP2537532 (A1), 2012-12-26; US2018085479 (A1), 2018-03-29;  
WO2012175223 (A1), 2012-12-27. PSAKHIE, S. G., ITIN, Volia Isaevich, MAGAJEVA, D. A., TEREHOVA, O. G.,  
NAJDEN, E. P., VASILJEVA, Olga, MIKHAYLOV, Georgy, MIKAC, Urška, TURK, Boris. Kontrastnoe sredstvo  
dlja T1 i/ili T2 magnitno-rezonansnogo skanirvanija i sposo' ego polučenija : RU2471502 (C1), 2013-01-10 :  
Rospatent 2011132913/15. Moskva: Federal'naja služba po intelektual'n'noj so'stvennosti, 2013. [COBISS.SI-ID  
26994983]: patentna družina: 2011132913/15, 2011-08-04; WO2013019137 (A1), 2013-02-07; WO02013019151  
(A3), 2013-04-11