

### PERSONAL INFORMATION

Kristina Nadrah

### WORK EXPERIENCE

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- September 2015- Present **Specialist physician in Infectious Diseases**  
Department of Infectious Diseases, University Medical Center Ljubljana (Slovenia)  
Clinical hospital work in infectious diseases (tertiary, university teaching hospital), outpatient clinic, consultation service in infectious diseases for University Medical Centre Ljubljana, regional hospitals and primary physicians. Teaching medical residents and medical students. Research on immunology/clinical course/treatment of covid and antibiotic stewardship. Research interests include PK/PD of antimicrobials and immunology.
- September 2009-September 2015 **Resident in Infectious Diseases**  
Department of Infectious Diseases, University Medical Center Ljubljana (Slovenia)  
Clinical work (hospital and outpatient) in infectious diseases.
- October 2011-July 2013 **Postdoctoral Associate**  
Department of Immunobiology, Yale University (United States)  
Research on bone marrow immunology in murine model, funded by a grant by Slovenian Research Agency.
- May 2009-September 2009 **Junior Physician**  
Department of Infectious Diseases, University Medical Center Ljubljana (Slovenia)  
Clinical work in infectious diseases.
- April 2008-April 2009 **Intern and Junior Physician**  
University Medical Center Ljubljana (Slovenia)  
First 6 months compulsory internship in medicine, then clinical work in acute internal medicine.
- January 2003-June 2007 **PhD student and Teaching Assistant**  
Faculty of Pharmacy, University of Ljubljana (Slovenia)  
Research on integrin modulators: rational design, synthesis and in vitro evaluation of IC50. Teaching laboratory skills (Pharmaceutical chemistry III) to pharmacy students, co-mentoring graduation theses of students of pharmacy and laboratory biomedicine.
- March 2022-June 2022 **teaching assistant with a PhD**  
Faculty of Medicine, University of Ljubljana (Slovenia)  
As an assistant professor of infectious diseases and epidemiology I teach and mentor medical students.

### EDUCATION AND TRAINING

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- February 2022-February 2022 **Specialist in Clinical Pharmacology**  
University Medical Center Ljubljana (Slovenia)  
Clinical Pharmacology
- September 2009-September 2015 **Specialist in Infectious Diseases**  
Department of Infectious Diseases, University Medical Center Ljubljana (Slovenia)  
Residency in clinical infectious diseases, antimicrobial stewardship, infection control
- October 2002-March 2007 **PhD**  
Faculty of Pharmacy, University of Ljubljana (Slovenia)  
Research on integrin modulators: rational design, synthesis and in vitro evaluation of IC50 (Pharmaceutical/Medicinal Chemistry).
- October 2001-November 2007 **MD**  
Faculty of Medicine, University of Ljubljana (Slovenia)  
medicine

## ADDITIONAL INFORMATION

**Expertise**

- infectious diseases (including COVID-19 and immunocompromised patients)
- antimicrobial stewardship
- medicinal chemistry

- Publications**
1. NADRAH, Kristina, GLINSEK BISKUP, Urska, SPIK, Vesna, MULLER-PREMRU, Manica, SOBA, Barbara. Ignatzschineria larvae bacteremia following Lucilia sp. myiasis in an irregular migrant : a case report. Korean Journal of Parasitology. Apr. 2021, vol. 59, no. 2, 159-165, <https://www.parasitol.kr/journal/view.php?number=2488>, DOI: 10.3347/kjp.2021.59.2.159.
  2. BEOVIC, Bojana, DOUSAK, May, FERREIRA-COIMBRA, Joao, NADRAH, Kristina, RUBULOTTA, Francesca, BELLIATO, Mirko, BERGER-ESTILITA, Joana, AYOADE, Folusakin, RELLO, Jordi, ERDEM, Hakan. Antibiotic use in patients with COVID-19 : a "snapshot" Infectious Diseases International Research Initiative (ID-IRI) survey. Journal of antimicrobial chemotherapy. 2020, vol. 75, no. 11, 3386-3390. DOI: 10.1093/jac/dkaa326.
  3. BEOVIC, Bojana, DOUSAK, May, PULCINI, Celine, BERAUD, Guillaume, PANO-PARDO, Jose Ramon, KLESNIK, Masa, NADRAH, Kristina, HAFNER-FINK, Mitja, UHAN, Samo, et al. Young doctors' perspectives on antibiotic use and resistance : a multinational and inter-specialty cross-sectional European Society of Clinical Microbiology and Infectious Diseases (ESCMID) survey. Journal of antimicrobial chemotherapy. Dec. 2019, vol. 74, no. 12, 3611-3618. <https://academic.oup.com/jac/article/74/12/3611/5559580>, DOI: 10.1093/jac/dkz375.
  4. NADRAH, Kristina, PIRS, Mateja, KREFT, Samo, MULLER-PREMRU, Manica, BEOVIC, Bojana. Impact of cephalosporin restriction on incidence of infections with extended-spectrum betalactamase- producing Klebsiella pneumoniae in an endemic setting. Journal of chemotherapy. May 2018, vol. 30, iss. 3, 150-156, <http://www.tandfonline.com/doi/full/10.1080/1120009X.2018.1434917>, DOI: 10.1080/1120009X.2018.1434917.
  5. NEVIUS, Erin, PINHO, Flavio, DHODAPKAR, Meera, JIN, Huiyan, NADRAH, Kristina, HOROWITZ, Mark, KIKUTA, Junichi, ISHII, Masaru, PEREIRA, Joao P. Oxysterols and EB12 promote osteoclast precursor migration to bone surfaces and regulate bone mass homeostasis. The Journal of experimental medicine. 2015, vol. 212, no. 11, 1931-1946. [https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4612084/pdf/JEM\\_20150088.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4612084/pdf/JEM_20150088.pdf), DOI: 10.1084/jem.20150088.
  6. NADRAH, Kristina, BECK, T., PEREIRA, Joao P. Immature B cell egress from bone marrow is SOCS3 independent. PloS one. 2015, vol. 10, iss. 8. DOI: 10.1371/journal.pone.0136061.
  7. PECAVAR, Blaz, NADRAH, Kristina, PAPST, Lea, CEC, Viktor-Matjaz, KOTAR, Tadeja, MATICIC, Mojca, MEGLIC-VOLKAR, Jelka, VIDMAR, Ludvik, BEOVIC, Bojana. Clinical characteristics of adult patients with influenza-like illness hospitalized in general ward during Influenza A H1N1 pandemic 2009/2010. Wiener Klinische Wochenschrift. 2011, vol. 123, issue 21/22, 662-667. DOI: 10.1007/s00508-011-0054-4.
  8. NADRAH, Kristina, SOLLNER DOLENC, Marija. Dual antagonists of integrins. Current medicinal chemistry. 2005, vol. 12, no. 12, 1449-1466.
  9. ANDERLUH, Marko, CESAR, Jozko, STEFANIC, Petra, KIKELJ, Danijel, JANES, Damjan, MURN, Jernej, NADRAH, Kristina, TOMINC, Mojca, ADDICKS, Elisabeth, GIANNIS, Athanassios, STEGNAR, Mojca, SOLLNER DOLENC, Marija. Design and synthesis of novel platelet fibrinogen receptor antagonists with 2H-1,4-benzoxazine-3(4H)-one scaffold. A systematic study. European Journal of Medicinal Chemistry. [Print ed.]. 2005, vol. 40, no. 1, 25-41
  10. CESAR, Jozko, NADRAH, Kristina, SOLLNER DOLENC, Marija. Solid-phase synthesis of amidines by the reduction of amidoximes. Tetrahedron letters. [Print ed.]. 2004, vol. 45, no. 40, str. 7445-7449. ISSN 0040-4039. [COBISS.SI-ID 1563249], [JCR, SNIP, WoS do 9. 8. 2021: st. citatov (TC): 19, cistih citatov (CI): 18, cistih citatov na avtorja (CIAu): 6,00, Scopus do 10. 9. 2021: st. citatov (TC): 20, cistih citatov (CI): 19, cistih citatov na avtorja (CIAu): 6,33]
  11. ZEITLINGER, Markus, KOCH, Birgit C. P., BRUGGEMANN, Roger, DE COCK, Pieter, FELTON, Timothy, HITES, Maya, LE, Jennifer, LUQUE, Sonia, MACGOWAN, Alasdair P., MARRIOTT, Deborah J. E., NADRAH, Kristina, et al. Pharmacokinetics/pharmacodynamics of antiviral agents used to treat SARS-CoV-2 and their potential interaction with drugs and other supportive measures :

- a comprehensive review by the PK/PD of anti-infectives study group of the European Society of Antimicrobial Agents. *Clinical pharmacokinetics*. 2020, vol. 59, no. 10, 1159-1216.  
<https://link.springer.com/article/10.1007/s40262-020-00924-9>, DOI: 10.1007/s40262-020-00924-9.
12. NADRAH, Kristina, STRLE, Franc. Antibiotic combinations with daptomycin for treatment of staphylococcus aureus infections. *Chemotherapy Research and Practice (Online)*. 2011, vol. [3], [1-10], art. id 619321. ISSN 2090-2115. <http://www.hindawi.com/journals/chrp/2011/619321/cta>, DOI: 10.1155/2011/619321.
13. NADRAH, Kristina. Novosti pri terapevtskem spremljanju koncentracij vankomicina = Advances in the therapeutic monitoring of vancomycin concentrations. *Zdravniški vestnik : glasilo Slovenskega zdravniškega društva*. jul.-avg. 2011, letn. 80, st. 7/8, 571-577.  
[http://szd.si/user\\_files/vsebinska/Zdravniški\\_Vestnik/2011/avgust/571-7.pdf](http://szd.si/user_files/vsebinska/Zdravniški_Vestnik/2011/avgust/571-7.pdf).
14. NADRAH, Kristina, STRUMBELJ, Iztok, BEOVIC, Bojana. Ocena občutljivosti povzročiteljev nezapletenih okužb sečil za peroralne betalaktamske antibiotike z matematičnim modelom = Antimicrobial susceptibility estimation of uncomplicated urinary tract infection pathogens to oral beta-lactam antibiotics with a mathematical model. *Zdravniški vestnik : glasilo Slovenskega zdravniškega društva*. sep./okt. 2019, letn. 88, st. 9/10, 458-463.  
<https://vestnik.szd.si/index.php/ZdravVest/article/view/2855/2457>, DOI: 10.6016/ZdravVestn.2855.
15. NADRAH, Kristina, CERAR KISEK, Tjasa, PAPST, Lea, MEGLIC-VOLKAR, Jelka, MATIČIČ, Mojca, KARNER, Primož, VIDMAR, Ludvik, MULLER-PREMRU, Manica, BEOVIC, Bojana. *Lactococcus garvieae* septicaemia in a patient with artificial heart valves. *Wiener Klinische Wochenschrift*. 2011, vol. 123, issue 21/22, 677-679. DOI: 10.1007/s00508-011-0059-z.
16. NADRAH, Kristina, SOLLNER DOLENC, Marija. Preparation of amidines by amidoxime reduction with potassium formate. *Synlett*. 2007, May, no. 8., 1257-1258.
17. BADOVINAC, Maja, NADRAH, Kristina, HARLANDER, Matevz. Vloga makrolidnih antibiotikov pri zdravljenju kroničnih pljučnih bolezni = Role of macrolide antibiotics in the treatment of chronic pulmonary diseases. *Zdravniški vestnik : glasilo Slovenskega zdravniškega društva*. jul./avg. 2020, letn. 89, st. 7/8, 446-457. <https://vestnik.szd.si/index.php/ZdravVest/article/view/2955/2910>, DOI: 10.6016/ZdravVestn.2955.
18. NADRAH, Kristina. Antibiotična kirurška profilaksa : osnovni principi in trajanje = Antibiotic surgical prophylaxis : basic principles and duration of treatment. *Farmacevtski vestnik : strokovno glasilo slovenske farmacije*. mar. 2017, letn. 68, st. 1, 6-9. ISSN 0014-8229.

#### Projects

Projects funded by Slovenian Research Agency:

Z3-4296(A), Vloga GPCR receptorjev in integrinov v razvoju B limfocitov v kostnem mozgu (postdoctoral grant) 2011-2013

V3-2035 Immunopathogenetic factors associated with severe COVID-19 (PI Ihan Alojz) 1.10.2020-31.10.2023

V3-2033 Clinical course and outcome of Covid-19 (PI Strle Franc) 1.10.2020-31.10.2022

V3-2034 Epidemiology, diagnostics, treatment and prevention of COVID-19 (PI Petrovec Miroslav) 1.10.2020-31.10.2022

#### Memberships

I am a member of ESCMID, Slovenian Antimicrobial Therapy Society (part of Slovenian Medical Association), Slovenian Society for Clinical Microbiology and Hospital Infections (part of Slovenian Medical Association) and Slovenian Immunology Society.

I am also member of a group of experts appointed by the Ministry of Health to assess adverse effects after vaccinations against covid-19 (to assess if adverse effects are vaccine related or not).

I participate in the group of experts who develop recommendations on covid therapy in Slovenia.

#### Other Relevant Information