

## PERSONAL INFORMATION

## Darko Modun



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💬 Skype drmodun

Sex male | Date of birth 17/01/1975 | Nationality Croatian

## WORK EXPERIENCE

- |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                            |
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| <ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer</li> <li>• Type of business or sector</li> <li>• Occupation or position held</li> <li>• Main activities and responsibilities</li> </ul> | <p>10/1999 - 06/2007</p> <p>University of Split School of Medicine, Soltanska 2, 21 000 Split</p> <p>Department of Pharmacology</p> <p>Assistant</p> <p>Experimental research in the field of oxidative stress and cardiovascular pharmacology.</p>                                                                                                        |
| <ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer</li> <li>• Type of business or sector</li> <li>• Occupation or position held</li> <li>• Main activities and responsibilities</li> </ul> | <p>06/2007 - 06/2011</p> <p>University of Split School of Medicine, Soltanska 2, 21 000 Split</p> <p>Department of Pharmacology</p> <p>Assistant Professor</p> <p>Experimental research in the field of oxidative stress. Pharmacology and Pharmacokinetics teaching lectures for students in the biomedicine field.</p>                                   |
| <ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer</li> <li>• Type of business or sector</li> <li>• Occupation or position held</li> <li>• Main activities and responsibilities</li> </ul> | <p>06/2011 - 10/2016</p> <p>University of Split School of Medicine, Soltanska 2, 21 000 Split</p> <p>Department of Pharmacology</p> <p>Associate Professor</p> <p>Experimental research in the field of oxidative stress, pharmacology and pharmacotherapy. Pharmacology and Pharmacokinetics teaching lectures for students in the biomedicine field.</p> |
| <ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer</li> <li>• Type of business or sector</li> <li>• Occupation or position held</li> <li>• Main activities and responsibilities</li> </ul> | <p>010/2016 - today</p> <p>University of Split School of Medicine, Soltanska 2, 21 000 Split</p> <p>Department of Pharmacology</p> <p>Full Professor</p> <p>Experimental research in the field of oxidative stress, pharmacology and pharmacotherapy. Pharmacology and Pharmacokinetics teaching lectures for students in the biomedicine field</p>        |
| <ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer</li> <li>• Type of business or sector</li> <li>• Occupation or position held</li> <li>• Main activities and responsibilities</li> </ul> | <p>010/2012 - today</p> <p>University of Split School of Medicine, Soltanska 2, 21 000 Split</p> <p>Study of Pharmacy</p> <p>Vice-Dean for the Study of Pharmacy</p> <p>Head of the Study of Pharmacy.</p>                                                                                                                                                 |

## EDUCATION AND TRAINING

- |                                                                                                                                                                                                           |                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and type of organization providing education and training</li> <li>• Principal subjects/occupational skills covered</li> </ul> | <p>September 2009</p> <p>Institute of pharmacology, Hannover Medical Faculty, Hannover, Germany</p><br><p>GC/MS method for detection of nitrite, main mediator of nitrite oxide, in blood and plasma</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- Title of qualification awarded
- Level in national classification (if appropriate)
- Dates (from – to)
- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded
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- Level in national classification (if appropriate)
- Dates (from – to)
- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded
- Level in national classification (if appropriate)

Postdoctoral training

June 2007

Institute Rudjer Boskovic, Scientific institute, Zagreb, Croatia

Oxidative stress, methods of detection

Postdoctoral training

20<sup>th</sup> October 2006

University of Split School of Medicine

Pharmacology

Ph.D.

Doctoral thesis

17<sup>th</sup> March 2003

University of Split School of Medicine

Pharmacology

M. Sc.

Master thesis

March 2002

University of Ljubljana School of Medicine, Ljubljana, Slovenia

Cardiovascular pharmacology, experimental models.

Post graduation training

September 1999

University of Zagreb School of Medicine

Medicine

Doctor of Medicine

Graduate

## PERSONAL SKILLS

[Remove any headings left empty.]

Mother tongue(s) Croatian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Italian

B2

B2

B1

B1

B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

#### Organisational / managerial skills

Head of the Study of Pharmacy, University of Split School of Medicine, 2009 - today  
Vice-Dean for the Study of Pharmacy, University of Split School of Medicine, 2012 - today.  
Head of the Department of Pharmacy, toxicology, and pharmacogenetics, 2018 – 2023  
Head of the Cathedra of Pharmacy, 2013 - 2020

#### Job-related skills

UV-VIS spectrophotometric techniques  
HPLC techniques  
Organizing and conducting experiments on healthy human subjects  
Measuring skin parameters by Courage+Khazaka instruments  
Measuring arterial stiffness by different instruments  
Reviewing scientific and professional manuscripts for several scientific journals  
Reviewing regulatory documentation for registration of medicinal products (for HALMED)

#### Driving licence

Yes, "B" category

#### ADDITIONAL INFORMATION

##### Publications (last 5 years)

- Žuvela T, Filipović-Grčić B, Rušić D, Leskur D, Modun D, Čohadžić T, Bukić J, Šešelja Perišin A. Knowledge and Attitudes towards Epilepsy of Croatian General Student Population and Biomedical Students: A Cross-Sectional Study. *Healthcare (Basel)*. 2023;11:2550. doi:10.3390/healthcare11182550.
- Sucic A, Perisin AS, Zuvela T, Leskur D, Rusic D, Modun D, Bukic J. Reporting Quality of Randomized Controlled Trial Abstracts on Aesthetic Use of Botulinum Toxin: How Much Do Abstracts Actually Tell Us? *Cosmetics*. 2023;10:119. <https://doi.org/10.3390/cosmetics10050119>
- Jerkovic I, Bukic J, Leskur D, Seselja Perisin A, Rusic D, Bozic J, Zuvela T, Vuko S, Vukovic J, Modun D. Young Women's Attitudes and Behaviors in Treatment and Prevention of UTIs: Are Biomedical Students at an Advantage? *Antibiotics (Basel)*. 2023;12:1107. doi: 10.3390/antibiotics12071107.
- Rusic D, Nanasi D, Bozic J, Jurcev Savicevic A, Leskur D, Seselja Perisin A, Modun D, Vilovic M, Bukic J. Attitudes of Community Pharmacy Service Users towards Vaccination Programs in Pharmacy: A Cross-Sectional Survey-Based Study in Croatia. *Pharmacy (Basel)*. 2022;10(6):167.
- Leskur D, Bozic J, Rusic D, Seselja Perisin A, Cohadzic T, Pranic S, Modun D, Bukic J. Adverse drug reaction reporting via mobile applications: A narrative review. *Int J Med Inform*. 2022;168:104895. doi: 10.1016/j.ijmedinf.2022.104895.
- Vucinovic A, Bukic J, Rusic D, Leskur D, Perisin AS, Cohadzic T, Luksic M, Modun D. Investigation of Biomedical Students' Knowledge on Glaucoma Reveals a Need for Education: A Cross-Sectional Study. *Healthcare (Basel)*. 2022;10:1241. doi: 10.3390/healthcare10071241.
- Bukic J, Rusic D, Leskur D, Perisin AS, Cohadzic T, Kumric M, Bozic J, Modun D. Investigation of Biomedical Students' Attitudes toward Pharmacogenomics and Personalized Medicine: A Cross-Sectional Study. *Pharmacy (Basel)*. 2022;10:73. doi: 10.3390/pharmacy10040073.
- Jerkovic I, Seselja Perisin A, Bukic J, Leskur D, Bozic J, Modun D, Vukovic J, Rusic D. Registered Drug Packs of Antimicrobials and Treatment Guidelines for Prostatitis: Are They in Accordance? *Healthcare (Basel)*. 2022;10:1158. doi: 10.3390/healthcare10071158.
- Vrebalov Cindro P, Knić M, Modun D, Vuković J, Tičinović Kurir T, Kardum G, Rušić D, Šešelja Perišin A, Bukić J. Comparison of the Impact of Insulin Degludec U100 and Insulin Glargine U300 on Glycemic Variability and Oxidative Stress in Insulin-Naive Patients With Type 2 Diabetes Mellitus: Pilot Study for a Randomized Trial. *JMIR Form Res*. 2022;6:e35655. doi: 10.2196/35655.

10. Vrebalov Cindro P, Bukić J, Leskur D, Rušić D, Šešelja Perišin A, Božić J, Vuković J, Modun D. *Helicobacter pylori* Infection in Croatian Population: Knowledge, Attitudes and Factors Influencing Incidence and Recovery. *Healthcare (Basel)*. 2022;10:833. doi: 10.3390/healthcare10050833.
11. Vrebalov Cindro P, Bukić J, Pranić S, Leskur D, Rušić D, Šešelja Perišin A, Božić J, Vuković J, Modun D. Did an introduction of CONSORT for abstracts guidelines improve reporting quality of randomised controlled trials' abstracts on *Helicobacter pylori* infection? Observational study. *BMJ Open*. 2022;12(3):e054978. doi: 10.1136/bmjopen-2021-054978.
12. Seselja Perisin A, Bukic J, Rusic D, Leskur D, Bozic J, Mihanovic A, Vilovic M, Cohadzic T, Modun D. Teaching Pharmacovigilance to Healthcare Students: Identifying Gaps and Opportunities for Improvement. *Pharmacy (Basel)*. 2021;9(3):147. doi: 10.3390/pharmacy9030147.
13. Ilic Begovic T, Radic J, Radic M, Modun D, Seselja-Perisin A, Tandara L. Seasonal variations in nutritional status and oxidative stress in patients on hemodialysis: Are they related? *Nutrition*. 2021;89:111205. doi: 10.1016/j.nut.2021.111205.
14. Rusic D, Vilovic M, Bukic J, et. al. Implications of COVID19 Pandemic on the Emergence of Antimicrobial Resistance: Adjusting the Response to Future Outbreaks. *Life (Basel)*. 2021;11(3):220. doi: 10.3390/life11030220.
15. Jukic I, Vukovic J, Rusic D, et al. Adherence to Maastricht V/Florence consensus report for the management of *Helicobacter pylori* infection among primary care physicians and medical students in Croatia: A cross-sectional study. *Helicobacter*. 2021;26(2): e12775. doi: 10.1111/hel.12775.
16. Bukic J, Kuzmanic B, Rusic D, Portolan M, et. al. Community pharmacists' use, perception and knowledge on dietary supplements: a cross sectional study. *Pharm Pract (Granada)*. 2021;19(1):2251. doi: 10.18549/PharmPract.2021.1.2251.
17. Rusic D, Bukić J, Seselja Perisin A, et. al. Are We Making the Most of Community Pharmacies? Implementation of Antimicrobial Stewardship Measures in Community Pharmacies: A Narrative Review. *Antibiotics (Basel)*. 2021;10(1):63. doi: 10.3390/antibiotics10010063.
18. Rusic D, Bozic J, Bukic J, et. al. Antimicrobial Resistance: Physicians' and Pharmacists' Perspective. *Microb Drug Resist*. 2021;27(5):670-77. doi: 10.1089/mdr.2020.0272.
19. Leskur D, Perišić I, Romac K, et al. Comparison of mechanical, chemical and physical human models of in vivo skin damage: Randomized controlled trial. *Skin Res Technol*. 2021;27(2):208-16. doi: 10.1111/srt.12932.
20. Zekan L, Mestrovic A, Perisin AS, et al. Improving community pharmacists' clinical knowledge to detect and resolve drug-related problems in Croatia: a before/after survey study investigating the efficacy of an educational intervention. *BMJ Open*. 2020;10(6):e034674. doi: 10.1136/bmjopen-2019-034674.
21. Jukic I, Rusic D, Vukovic J, et al. Correlation of registered drug packs with Maastricht V/Florence Consensus Report and national treatment guidelines for management of *Helicobacter pylori* infection. *Basic Clin Pharmacol Toxicol*. 2020;126(3):212-25. doi: 10.1111/bcpt.13322.
22. Knežević E, Rušić D, Bukić J, et. al. Review of incentives for pediatric drug development and of the number of phase III clinical trials in selected countries. *Medicina Fluminensis*. 2019;55(4): 337-45. [https://doi.org/10.21860/medflum2019\\_227129](https://doi.org/10.21860/medflum2019_227129).
23. Bukic J, Rusic D, Mas P, et al. Analysis of spontaneous reporting of suspected adverse drug reactions for non-analgesic over-the-counter drugs from 2008 to 2017. *BMC Pharmacol Toxicol*. 2019;20(1):60. doi: 10.1186/s40360-019-0338-2.
24. Seselja Perisin A, Mestrovic A, Bozic J, et al. Interprofessional pharmacotherapy workshop: intervention to improve health professionals' and students' attitudes towards collaboration between physicians and pharmacists. *J Interprof Care*. 2019;33(5):456-63. doi: 10.1080/13561820.2018.1541875.
25. Milat AM., Boban M., Teissedre PL et. al. Effects of oxidation and browning of macerated white wine on its antioxidant and direct vasodilatory activity. *Journal of Functional Foods*. 2019;59:138-47. doi: 10.1111/bjd.17633
26. Leskur D, Bukić J, Petrić A, et al. Anatomical Site Differences of Sodium Laurylsulphate Induced Irritation: randomised controlled trial. *Br J Dermatol*. 2019;181(1):175-85. doi: 10.1111/bjd.17633.
27. Rusic D., Bozic J., Bukic J., Seselja Perisin A., Leskur D., Modun D., Tomic S. Evaluation of accordance of antibiotics package size with recommended treatment duration of guidelines for sore throat and urinary tract infections. *Antimicrob Resist Infect Control*. 2019. *Antimicrob Resist*

Infect Control. 2019;8:30. doi: 10.1186/s13756-019-0495-5.

28. Rusic D, Bozic J, Vilovic M, Bukic J, Zivkovic PM, Leskur D, Seselja Perisin A, Tomic S, Modun D. Attitudes and Knowledge Regarding Antimicrobial Use and Resistance Among Pharmacy and Medical Students at the University of Split, Croatia. Microb Drug Resist. 2019;8:30. doi: 10.1089/mdr.2018.0010.
29. Bukic J, Rusic D, Bozic J, et al. Differences among health care students' attitudes, knowledge and use of dietary supplements: a cross-sectional study. Complement Ther Med. 2018;41:35-40. doi: 10.1016/j.ctim.2018.09.005.
30. Bukic J, Rusic D, Perisin AS, Leskur D, Mestrovic A, Modun D. Development and implementation of objective structured clinical examination (OSCE) at the Split School of medicine Pharmacy studies. Farm Glas. 2018;74(2):97-108.

#### Presentations (international)

1. „Number and proportion of phase III drug trials for infections 2016-2021“. 19th World Congress of Basic & Clinical Pharmacology, Glasgow, UK, 2 – 7 July 2023.
2. „Standardization of professional traineeship at the Study of pharmacy in Split“. 6th Croatian Congress on Pharmacy with international participation. Dubrovnik, Croatia. 4-7 April 2019.
3. „Education and practice – how to close the gap?“ 5th Croatian Congress on Pharmacy with international participation. Rovinj, Croatia. 21-24 May 2015.
4. „Oxygen - medication with side effects.“ Humboldt-Kolleg Belgrad 2013 Resources of Danubian Region: The Possibility of Cooperation and Utilization. Belgrad, Serbia. 12-15 June 2013.
5. „Plasma nitrite concentrations decrease after hyperoxia-induced oxidative stress in healthy humans.“ 18th Scientific Symposium of the Austrian Pharmacological Society (APHAR). Joint meeting with the Croatian, Serbian and Slovenian Pharmacological Societies. Graz, Austria. 20-21 September 2012.

#### Projects

2021-2024. Head of part of the international ERASMUS CBHE project "Innovating quality assessment tools for pharmacy studies in Bosnia and Herzegovina (IQPharm)". European Union, Erasmus+ Program.

2019 - 2023. Head of part of the project "Digitalization and improvement of nutritional care for patients with chronic diseases", Operational Program Competitiveness and Cohesion 2014-2020. (contract number KK.01.1.1.04.0115).

2019 – 2022. Head of part of the international ESF project "Application of HKO in the improvement of study programs in the field of pharmacy and medical biochemistry (PharmMedQ)", invitation Implementation of HKO at the level of higher education (Contract number: UP.03.1.1.03.0021 ).

2018 - 2019. Head of part of the international ESF project "Internationalization of study programs of all levels at the Faculty of Medicine in Split", invitation Internationalization of higher education (Contract number: UP.03.1.1.02.0035).

2018. Head of the science popularization project "Let's look at ultraviolet" of the Ministry of Health, Republic of Croatia.

2017 - 2018. Project manager "Research into the clinical effectiveness of topical preparations of "sea oil", program Technological development, research and application of innovations of the Split-Dalmatia County (Contract number: 201700157267).

2016 - 2017. Project manager "Development of pharmaceutical formulations based on "sea oil" for topical application on the skin", Program Technological development, research and application of innovations of Split-Dalmatia County (Contract number: 201600115185).

#### Honours and awards

2021 Award from the University of Split School of Medicine for the best article published in the field of pharmacy in the academic year 2019/2020.

2016. Certificate of Gratitude from the University of Split School of Medicine Split for the successful management of the Study of Pharmacy in Split, on the occasion of the promotion of the 1st generation of Masters in Pharmacy.

#### Memberships

2007 Award from the University of Split School of Medicine to the first author of the best scientific article published in the academic year 2005/06.

Member of the Croatian Pharmacological Society  
Member of the European Pharmacological Societies (EPHAR)  
Member of British Pharmacological Societies (BPS)  
Member of the American Society for Pharmacology and Experimental Therapeutics (ASPET)  
Member of the Croatian Pharmaceutical Society

ANNEXES

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- NONE