

CURRICULUM VITAE

Prof. LIVIA PULJAK, MD, PhD

Affiliation

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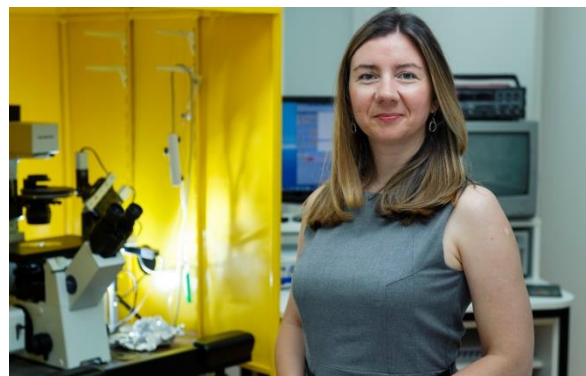
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Personal information

Birth date: October 25, 1977

Birth place: Split, Croatia

Family status: Married, one child



Education

2008 PhD, University of Split School of Medicine, Croatia
2002 MD, University of Zagreb, Medical Studies in Split, Croatia

Work experiences

2020 Head, Center for Evidence-Based Medicine and Healthcare, Catholic University of Croatia, Zagreb, Croatia
2018 Full Professor, Catholic University of Croatia, Zagreb, Croatia
2011 – Deputy Director, Translational Research in Biomedicine – PhD Program, USSM
2016 – 2018 Senior Advisor, Agency for Quality and Accreditation in Health Care, Croatia
2013 – 2018 Associate Professor, University of Split School of Medicine, Croatia (USSM)
2013 – 2017 Head, Department of Histology and Embryology, USSM
2011 – 2013 Head, Laboratory for Pain Research, USSM
2010 – 2011 Vice Dean for Research, University of Split School of Medicine, Croatia
2009 – 2013 Assistant Professor, University of Split School of Medicine, Croatia
2008 – 2009 Director, Croatian Branch of The Cochrane Collaboration
2007 – 2009 Research Officer, University of Split, Croatia
2006 – 2009 Instructor, University of Split School of Medicine, Croatia
2004 – 2006 Postdoctoral fellow, University of Texas Southwestern Medical Center, Dallas, USA
2003 – 2004 Postdoctoral fellow, University of Colorado Health Sciences Center, Denver, USA

Professional service

2021 Strategic Action Plan Committee, Catholic University of Croatia
2021 Ethics Committee, Catholic University of Croatia
2020 - 2021 Senate Member, Catholic University of Croatia
2019 – Research Committee, Catholic University of Croatia
2018 – Scientific Advice Working Party (SAWP), European Medicines Agency
2018 – 2020 Pharmacovigilance Risk Assessment Committee (PRAC), European Medicines Agency; Independent expert appointed by European Commission
2018 Committee for Safety of Patients in Republic Croatia, Ministry of Health, Croatia
2009 – Knowledge Translation Coordinator, Cochrane Croatia
2016 – 2018 Committee for Safe Use of Medicines, Agency for Medicinal Products and Medical Devices (HALMED)
2013 – 2019 Translation project manager, Cochrane Croatia
2011 – 2018 Board of Directors, Zeljko J. Bosnjak Foundation
2010 – 2018 Committee for Continuous Medical Education, School of Medicine in Split
2010 – 2017 Festival of Science, Organizing Committee, University of Split
2010 – 2014 Fame Lab, Organizing Committee, University of Split
2014 - 2016 President, Doctoral School, University of Split School of Medicine
2013 – 2015 Researchers' Night, Organizing Committee, University of Split
2011 – 2012 Scientific Committee, Bridges in Life Sciences Annual Conference
2010 – 2011 Committee for Research, School of Medicine in Split
2008 – 2010 European Science Foundation (ESF) Member Forum on Research Integrity, Chair of Working Group for Research on Research Integrity

2008 – 2009 Quality Assurance Committee, School of Medicine in Split

Training

2016 Visiting scientist, Centre for Practice Changing Research, OHRI, Ottawa, Canada
 2008 Scholar, European Pain School, Siena, Italy
 2007 Guest scientist, University of Ottawa, Canada
 2002 Student exchange, Nijmegen Center for Molecular Life Sciences, The Netherlands

Research interests

Research methodology, Evidence synthesis, Evidence-based medicine, Clinical epidemiology, Pain

Grants

2020 - Project collaborator, Research Projects – Slovenian-Croatian bilateral projects (principal investigator: Prof. Ines Banjari)
 2020 - Project collaborator, Professionalism in health: decision making in practice and research; HRZZ-IP-2019-04-4882 (principal investigator: Prof. Ana Marušić)
 2019 Project participant, Promoting integrity in the use of research results in evidence based policy: a focus on non – medical research (H2020-SwafS-2016-17)
 2018 - Project Co-Applicant, COST Action CA17117: Towards an International Network for Evidence-based Research in Clinical Health Research, EVBRES (COST)
 2016 - 2020 Project participant: European network for Health Technology Assessment Joint Action 3 (EUnetHTA JA3), Number 724130
 2015 -2019 Project participant: Sustainable intEgrated care modeLs for multi-morbidity: delivery, Financing and performance, SELFIE , Number 634288 (Horizon 2020)
 2017 Project Coordinator, Popularization of science grant (MZOS)
 2016 Project Coordinator, Popularization of science grant (MZOS)
 2016 Project Mentor, Young Scientist Career Development (HRZZ, I-2238-2016)
 2015 - 2017 Clinical site coordinator, Multi-dimensional omics approach to stratification of patients with low back pain; Pain-OMICS (EU FP7 project)
 2015 - 2019 Project collaborator, Professionalism in health; HRZZ-IP-2014-09-7672 (principal investigator: Prof. Ana Marušić)
 2015 - 2019 Project collaborator, Treating neuropathic pain with dorsal root ganglion stimulation; HRZZ-IP-2013-11-4126 (principal investigator: Prof. Damir Sapunar)
 2014 Project Coordinator, Popularization of science grant (MZOS)
 2013 Project Coordinator, Popularization of science grant (MZOS)
 2010 – 2013 Principal Investigator, Molecular Memory in Diabetic Neuropathy (MEMODIN); Installation research Projects, 02.05./28 (HRZZ)
 2011 - 2012 Project Mentor, Unity Through Knowledge 2A (UKF)
 2009 – 2010 Project Coordinator, Initiative for Improving Pain Education Grant (IASP)
 2007 – 2009 Project Manager, Capacity Building for Research in Croatia (TEMPUS JEP)

Awards and recognitions

2020 Top 2% of world scientists in year 2019 based on citation impact (<https://bit.ly/3pVhUE6>)
 2020 Bill Silverman Prize, awarded by the Cochrane
 2019 Top peer reviewer, Publons
 2018 The best published manuscript in clinical medicine, University of Split School of Medicine
 2017 Chris Silagy Prize, awarded by the Cochrane
 2015 Award for science promotion. University of Split School of Medicine.
 2013 The best poster award. Scandinavian Pain Association Meeting.
 2005 Abstract of the year. American Association for the Study of Liver Diseases.

Teaching experience

- *Catholic University of Croatia*: Writing a research manuscript, Quantitative research methods, Qualitative research methods, Principles of research in nursing
 - *University of Split School of Medicine*: Histology and Embryology, Writing a research paper, Communication and presentation skills, Assessment of a research article, Cochrane library and evidence in medicine, Systematic review and meta-analysis, Empathy and pain, The Cochrane library, The puzzle of pain, Fertilization
 - *Medical School Mostar, Bosnia and Herzegovina*: Principles of research in medicine, The puzzle of pain
 - *University of Tuzla School of Medicine, Bosnia and Herzegovina*: Evidence-based medicine

- University of Granada: Evidence-Based Research
- *Continuous Medical Education Courses*: Croatian Cochrane Symposium (Split, Croatia), Interprofessional treatment of Pain (Split and Šibenik, Croatia), Writing a research manuscript (Konjic, Bosnia and Herzegovina)
- *Presentations at professional symposia*: Health inWest 2013 (Zagreb, Croatia), Summer school of health promotion "Media and Health" 2013 (Grozňjan, Croatia), Metabolic syndrome congress 2013 (Osijek, Croatia)

Educational software

Saraga-Babić M, Sapunar D, **Puljak L**, Vukojević K, Lovrić Kojundžić S. Histology Atlas. Virtual Medical School, 2007.

Memberships in professional associations

International Association for the Study of Pain (IASP)
 Croatian Evidence-Based Medicine Society (EBM Society Croatia)
 Croatian Medical Association (*Hrvatski liječnički zbor, HLZ*)
 Croatian Pain Management Society (*Hrvatsko društvo za liječenje boli, HDLB*)

Mentored graduate students (17 PhD and 2 MSc theses)

2021	Ivana Vuka, Doctoral thesis, University of Split
2021	Andrija Babić, Doctoral thesis, University of Split
2021	Ognjen Barčot, Doctoral thesis, University of Split
2020	Lenko Šarić, Doctoral thesis, University of Split
2020	Marina Biočić, Doctoral thesis, University of Split
2020	Edita Runjić, Doctoral thesis, University of Split
2019	Mišo Krstičević, Doctoral thesis, University of Split
2018	Svjetlana Došenović, Doctoral thesis, University of Split
2018	Krste Boric, Doctoral thesis, University of Split
2018	Tonći Brković, Doctoral thesis, University of Split
2018	Mahir Fidahić, Doctoral thesis, University of Tuzla
2018	Filipa Markotić, Doctoral thesis, University of Split
2015	Mladen Lešin, Doctoral thesis, University of Split
2015	Matija Borić, Doctoral thesis, University of Split
2014	Antonia Jeličić Kadić, Doctoral thesis, University of Split
2013	Lejla Ferhatović, Doctoral thesis, University of Split
2012	Filipa Markotić, Master of Science thesis, University of Mostar
2011	Katarina Novak, Doctoral thesis, University of Split
2011	Suzyen Kraljević, Master of Science thesis, University of Split

Mentored undergraduate students (34 theses)

2020	Andria Dujmić, MD Thesis, University of Split
2020	Marija Franka Marušić, MD Thesis, University of Split
2020	Mate Maretić, Master of Nursing thesis; Catholic University of Croatia
2019	Nys Siebers, MD Thesis, University of Split
2018	Katarina Matičić, Master of Pharmacy Thesis, University of Split
2018	Antonija Penić, Master of Pharmacy Thesis, University of Split
2018	Clemens Janda-Martinac, MD Thesis, University of Split
2018	Ivana Propadalo, Doctor of Dental Medicine Thesis, University of Split
2017	Tonkica Škugor, Master of Pharmacy Thesis, University of Split
2017	Ivana Utrobičić, Master of Pharmacy Thesis, University of Split
2017	Nikolina Markovina, Master of Pharmacy Thesis, University of Split
2017	Katja Janačković, Master of Pharmacy Thesis, University of Split
2017	Anja Engelking, MD Thesis, University of Split
2016	Goran Tintor, MD Thesis, University of Split
2016	Nikolina Gabelica, Master of Pharmacy Thesis, University of Split
2016	Anamarija Vučko, Master of Pharmacy Thesis, University of Split
2016	Ana Tokić, Master of Pharmacy Thesis, University of Split
2016	Marija Radman, Master of Pharmacy Thesis, University of Split
2016	Karmen Dragičević, MD Thesis, University of Split
2016	Marin Viđak, MD Thesis, University of Split

2016	Nives Surjan, Master of Pharmacy Thesis, University of Split
2015	Petra Jurkić, Master of Pharmacy Thesis, University of Split
2015	Marina Biočić, MD Thesis, University of Split
2015	Krste Borić, MD Thesis, University of Split
2014	Andrea Anić-Matić, MD Thesis, University of Split
2014	Katarina Dogan, MD Thesis, University of Split
2013	Ivan Škopljanac, MD Thesis, University of Split
2012	Andrija Babić, MD thesis, University of Split
2012	Marko Brekalo, MD thesis, University of Split
2012	Roberta Andrea Tešija, MD thesis, University of Split
2012	Eliana Brković, MD thesis, University of Split
2011	Karolina Balajić, MD thesis, University of Split
2011	Antonija Marić, Master of Nursing thesis, University of Mostar
2011	Ankica Ćosić, Master of Nursing thesis, University of Mostar

Reviews and evaluations

Reviewer of research projects: COST, FP7, Horizon 2020, The Netherlands Organisation for Scientific Research (NWO); Croatian Science Foundation (HRZZ), Polish National Science Center (NCN), La Caixa Foundation, ERA PerMed Personalised Medicine: Multidisciplinary Research Towards Implementation, UKRI future leadership fellowships, UK Medical Research Council.

Reviewer at symposia: Bridges in Life Sciences, Cochrane Colloquium, Croatian Cochrane Symposium

Reviewer of doctoral theses: School of Medicine at University of Josip Juraj Strossmayer Osijek Croatia, School of Medicine at University of Rijeka in Croatia, University of Split School of Medicine, School of Medicine at University of Mostar in Bosnia and Herzegovina, The Polytechnic University of Catalonia (UPC: Universitat Politècnica de Catalunya), The University of Paris (Université de Paris)

Peer-reviewer for scholarly journals (N=149)

ACS Chemical Neuroscience; Acta Anaesthesiologica Scandinavica; Acta Histochemica; Acta Medica Academica; Acta Medica Croatica; Acupuncture in Medicine; Advances in Health Sciences Education; Advances in Medical Education and Practice; Advances in Therapy; Alcohol and Alcoholism; American Journal of Case Reports; American Journal of Kidney Diseases; Anesthesia & Analgesia; Archives of Disease in Childhood; Archives of Physiology & Biochemistry; Biological Psychiatry; Biopolymers and Cell; BMC Anesthesiology; BMC Medical Education; BMC Musculoskeletal Disorders; BMC Psychology; BMJ; BMJ Evidence-Based Medicine; BMJ Open; BMJ Open Quality; Bosnian Journal of Basic Medical Sciences; Brazilian Journal of Physical Therapy; British Journal of Dermatology; British Journal of Medicine and Medical Research; Cancer Biology & Medicine; Cardiovascular Diabetology; Cephalalgia; Chronic Diseases and Translational Medicine; Clinical and Experimental Dental Research; Clinical and Experimental Dermatology; Clinical Epidemiology; Clinical Interventions in Aging; ClinicoEconomics and Outcomes Research; Cochrane Database of Systematic Reviews; Collegium Antropologicum; Complementary Therapies in Medicine; Croatian Medical Journal; Current Medical Research & Opinion; Diabetes and Vascular Disease Research; Diagnostics; Drug, Healthcare and Patient Safety; Drug Safety; Drugs; Drugs – Real World Outcomes; EClinicalMedicine; Educational Research; EURASIA Journal of Mathematics, Science and Technology Education; European Journal of Dental Education; European Journal of Pain; European Science Editing; Experimental Gerontology; Experimental and Molecular Pathology; Expert Review of Medical Devices; Expert Review of Neurotherapeutics; Expert Review of Proteomics; F1000; Family Medicine; Gastroenterology Research and Practice; Indian Heart Journal; International Health; International Journal of Behavioral Medicine; International Journal of Developmental Neuroscience; International Journal of Electrical and Computer Engineering (IJECE); International Journal of Evidence-Based Healthcare; International Journal of Pharmacy Practice; International Journal of Preventive Medicine; International Medical Case Reports Journal; JMIR mHealth and uHealth (JMU); Journal of Anesthesia & Clinical Care; Journal of Child & Adolescent Mental Health; Journal of Clinical Anesthesia; Journal of Clinical Epidemiology; Journal of Disease and Global Health; Journal of Drug Assessment; Journal of Educational Administration and Policy Studies; Journal of Endocrinology; Journal of Evidence-Based Medicine; Journal of Functional Foods; Journal of Herbal Medicine; Journal of International Medical Research; Journal of Interprofessional Care; Journal of Medical Internet Research; Journal of Medical Systems; Journal of Multidisciplinary Healthcare; Journal of Neurosciences in Rural Practice; Journal of Nursing Scholarship; Journal of Nutrition, Health and Aging; Journal of Pain Research; Journal of Physiology and Biochemistry; Journal of the Knowledge Economy;

Journal of the Medical Library Association; Khyber Medical University Journal; Liječnički vijesnik; Macedonian Journal of Medical Sciences; Materials Science & Engineering C; Medical & Biological Engineering & Computing, Medical Education, Medical Humanities; Medical Science Monitor; Medicinski glasnik; Microscopy and Microanalysis; Molecular Neurobiology; Molecular Pain; Neurobiology of Disease; Neuroscience; Neuroscience Letters; Nurse Education Today; Obesity Reviews; Open Access Journal of Sports Medicine; Open Access Rheumatology: Research and Reviews; Open Medicine; Ophthalmology; Osteoarthritis and Cartilage; Pain and Therapy; Pain Management; Pain Research and Management; Pain Practice; Patient Preference and Adherence; PeerJ; Pharmacological Reports; PharmaNutrition; Phytomedicine; PLoS One; Psychology, Health & Medicine; Psychology Research and Behavior Management; Recent Patents on Biotechnology; Research Synthesis Methods; SAGE Open Medicine; Saudi Medical Journal; Science and Engineering Ethics; Scientometrics; Sestrinski glasnik/Nursing Journal (SG/NJ); Signa Vitae; SN Comprehensive Clinical Medicine; Somatosensory & Motor Research; SpringerPlus; Statistics in Biopharmaceutical Research; Systematic Reviews; Technology in Society; Therapeutic Advances in Musculoskeletal Disease; Therapeutics and Clinical Risk Management; Trials; Toxicology Reports; Ultrasound in Obstetrics and Gynecology; World Journal of Gastroenterology; World Journal of Orthopedics

Publons profile: <https://publons.com/researcher/1558824/livia-puljak>

Books

- 2014 Translated into Croatian: Evans I, Thornton H, Chalmers I, Glasziou P. Testing Treatments. Croatian title: Gdje su dokazi? Profil, Zagreb, Croatia.
- 2010 **Puljak L**, Sapunar D. Dictionary of Pain [in Croatian]. Redak. Split, Croatia.
- 2010 Sapunar D, **Puljak L**. Neurobiology of Pain [in Croatian]. In: Pain – causes and treatment. Editors: Jukic M, Majeric Kogler V, Fingler M. Medicinska naklada, Zagreb, Croatia.
- 2010 Sapunar D, **Puljak L**, Kostic S, Banozic A. Are mice small rats? Rodent models of neuropathic pain. In: Anatomy and Embryology of the Mouse. Editor: Marusic A. University of Split School of Medicine, Split, Croatia.

Guidelines

Jukic M, **Puljak L**, Katic M, Majeric Kogler V, Bergman Markovic B, Kvolik S, Fingler M. Guidelines for the use of opioids in chronic nonmalignant pain. Croatian Association for the treatment of pain (HDLB) and Association of Teachers in General Practice/Family Medicine (DNOOM). *Medix* 2014;20 (11).

Application for the WHO Expert Committee on Selection and Use of Essential Medicines

Poklepovic Pericic T, Utrobicic A, Dosenovic S, Puljak L. Review of the Available Evidence on Tacrolimus in Adults and Children for the Prevention and Treatment of Transplant Rejection, and Proposal for Inclusion for the WHO Model List of Essential Medicines (EML). Applications for inclusion in the 2021 revision of the WHO Model Lists of Essential Medicines. Published April 19, 2021. Available at: <https://www.who.int/news/item/19-04-2021-applications-for-the-23rd-who-expert-committee-on-selection-and-use-of-essential-medicines-available-for-public-review-and-comment>

Publications in peer-reviewed journals

1. Mladinic A, **Puljak L**, Koporc Z. Post-GDPR survey of data protection officers in research and non-research institutions in Croatia: a cross-sectional study. *Biochemia Medica*. Accepted, July 16, 2021.
2. Barcot O, Boric M, Dosenovic S, **Puljak L**. Assessing the risk of performance and detection bias in Cochrane reviews as a joint domain is less accurate compared to two separate domains. *BMC Medical Research Methodology*. Accepted June 17, 2021.
3. Barcot O, Ivanda M, Buljan I, Pieper D, **Puljak L**. Enhanced access to recommendations from the Cochrane Handbook for improving authors' judgments about risk of bias: a randomized controlled trial. *Research Synthesis Methods*. 2021 May 28. doi: 10.1002/jrsm.1499.
4. Borges do Nascimento IJ, O'Mathuna DP, van Groote TC, Abdulazeem HM, Weerasekara I, Marusic A, **Puljak L**, Tassoni Civile V, Zakarija-Grkovic I, Poklepovic Pericic T, Nagib Atallah A, Filoso S, Bragazzi NL, Soriano Marcolino M. Coronavirus disease (COVID-19) pandemic: an overview of systematic reviews. *BMC Infectious Diseases*. 2021;21(1):525. doi: 10.1186/s12879-021-06214-4.
5. Sanader Vučemilović A, **Puljak L**. Outcome domains and measures for pain in psoriasis used in registered trials: analysis of studies on ClinicalTrials.gov. *Journal of Comparative Effectiveness Research*. 2021 June 11. doi: 10.2217/cer-2021-0012.
6. Markotic F, Curkovic M, Pekez-Pavlisko T, Vrdoljak D, Vojvodic Z, Jurisic D, Puljiz M, Novinscak M, Bonassin K, Permozer Hajdarovic S, Tomicic M, Diminic-Lisica I, Fabris Ivsic S, Nejasmic D, Miosic I, Novak I, **Puljak L**. Differences in the Pattern of Non-Recreational Sharing of Prescription Analgesics among Patients in Rural and Urban Areas. *Healthcare*. 2021; 9(5):541. <https://doi.org/10.3390/healthcare9050541>
7. Civljak M, Civljak R, Kuzman I, Grgic A, Sember D, Belak Kovacevic S, **Puljak L**. Feasibility of the multimodal smoking cessation intervention during hospitalization with follow-up of 6 months post-discharge: a pilot study. *Acta Clinica Croatica*. Accepted, April 2021.
8. Jakus D, Behmen D, Buljan I, Marušić A, **Puljak L**. Efficacy of reminders for increasing volunteer engagement in translating Cochrane plain language summaries: a pilot randomized controlled trial. *BMJ Evidence-Based Medicine*. 2021;26:49-50. doi: 10.1136/bmjebm-2020-111378
9. **Puljak L**, Boric K, Dosenovic S. Pain assessment in clinical trials: a narrative review. *Annals of Translational Medicine*. 2021;9(2). doi: 10.21037/atm-20-3451
10. Dosenovic S, Dujmic A, Nujic D, Vuka I, Tintor G, Jelcic Kadic A, **Puljak L**. Reasons and factors associated with inconclusiveness of systematic reviews about interventions for neuropathic pain. *Journal of Comparative Effectiveness Research*. 2021;10(1):67-75. doi: 10.2217/cer-2020-0165
11. Pieper D, **Puljak L**. Language restrictions in systematic reviews should not be imposed in the search strategy but in the eligibility criteria if necessary. *Journal of Clinical Epidemiology*. 2020 Dec 28;S0895-4356(20)31238-5. doi: 10.1016/j.jclinepi.2020.12.027
12. Gabelica M, Sapunar D, Marusic M, **Puljak L**. The ideal repository for hosting data from clinical trials: blueprint using business process management. *F1000Research* 2021;10:23. <https://doi.org/10.12688/f1000research.28008.1>
13. Barcot O, Boric M, Cavar M, Poropat G, **Puljak L**. Predictive value of abdominal drain amylase for postoperative pancreatic fistula following gastric resection: a systematic review and meta-analysis. *European Journal of Surgical Oncology*. 2020. doi: <https://doi.org/10.1016/j.ejso.2020.12.005>
14. Lawson D, **Puljak L**, Pieper D, Schandelmaier S, Collins GS, Brignardello-Petersen R, Moher D, Tugwell P, Welch V, Samaan Z, Thombs BD, Nørskov AK, Jakobsen JC, Allison DB, Mayo-Wilson E, Young T, Chan AW, Ioannidis JPA, Guyatt G, Thabane L, Mbuagbaw L. Reporting of methodological studies in health research: a protocol for the development of the Methodological Study Reporting Checklist (MISTIC). *BMJ Open*. 2020;10:e040478. doi: 10.1136/bmjopen-2020-040478.
15. **Puljak L**, Čivljak M, Haramina A, Mališa S, Čavić D, Klinec D, Aranza D, Mesarić J, Skitarelić N, Zoranić S, Majstorović D, Neuberg M, Mikšić Š, Ivanišević K. Attitudes and concerns of undergraduate university health sciences students in Croatia regarding complete switch to e-learning during COVID-19 pandemic: a survey. *BMC Medical Education*. 2020;20:416. doi: 10.1186/s12909-020-02343-7.
16. **Puljak L**. Evidence synthesis and methodological research on evidence in medicine – why it really is research and it really is medicine. *Journal of Evidence-Based Medicine*. 2020;13:253–254. doi: 10.1111/jebm.12417

17. Arienti C, Lazzarini SG, Petrini M, **Puljak L**, Pollock A, Negrini S. The structure of research questions in randomized-controlled trials in rehabilitation field: a methodological study. *American Journal of Physical Medicine & Rehabilitation*. October 7, 2020. doi: 10.1097/PHM.0000000000001612.
18. Barcot O, Boric M, Dosenovic S, Cavar M, Jelacic Kadic A, Poklepovic Pericic T, Vukicevic I, Vuka I, **Puljak L**. Adequacy of risk of bias assessment in surgical vs non-surgical trials in Cochrane reviews: a methodological study. *BMC Medical Research Methodology*. 2020;20:240. doi: 10.1186/s12874-020-01123-7.
19. Borges do Nascimento IJ, von Groote TC, O'Mathúna D, Abdulazeem HM, Henderson C, Jayarajah U, Weerasekara I, Poklepovic Pericic T, Edgar H, Klapproth G, **Puljak L**, Cacic N, Zakarija-Grkovic I, Mangeon Meirelles Guimarães S, Nagib Atallah A, Bragazzi NL, Soriano Marcolino M, Marusic A, Jeroncic A. Clinical, laboratory and radiological characteristics and outcomes of novel coronavirus (SARS-CoV-2) infection in humans: A systematic review and series of meta-analyses. *PLoS One*. 2020;15(9):e0239235. doi: 10.1371/journal.pone.0239235.
20. Lizarondo L, Stern C, **Puljak L**, Zhu Z, Munn Z. Evidence synthesis methodology for questions relating to barriers and/or enablers in health care: a scoping review protocol. *JBI Evidence Synthesis*. Published online: 2020 Aug 31. doi: 10.11124/JBIES-20-00177.
21. Babic A, Poklepovic Pericic T, Pieper D, **Puljak L**. How to decide whether a systematic review is stable and not in need of updating: Analysis of Cochrane reviews. *Research Synthesis Methods*. 2020;11(6):.884-890. doi: 10.1002/jrsm.1451.
22. Mbuagbaw L, Lawson DO, **Puljak L**, David AB, Thabane L. A tutorial on methodological studies: the what, when, how and why. *BMC Medical Research Methodology*. 2020;20(1):226. doi: 10.1186/s12874-020-01107-7.
23. Tawfik GM, Giang HTN, Ghozy S, Altibi M, Kandil H, Le HH, Eid PS, Radwan I, Makram OM, Hien TTT, Sherif M, Hossain AS, Thang TLL, **Puljak L**, Salem H, Numair T, Moji K, Huy NT. Protocol registration issues of systematic review and meta-analysis studies: a survey of global researchers. *BMC Medical Research Methodology*. 2020;20:213. doi: 10.1186/s12874-020-01094-9.
24. **Puljak L**. Delays in publishing systematic review registrations in PROSPERO are hindering transparency and may lead to research waste. *BMJ Evidence-Based Medicine*. 2020. doi:10.1136/bmjebm-2020-111474
25. **Puljak L**, Mladinić A, Iphofen R, Koporc Z. Before and after enforcement of GDPR: Personal data protection inquiries received by Croatian Personal Data Protection Agency from academic and research institutions. *Biochemia Medica (Zagreb)*. 2020;30(3):030201. doi: <https://doi.org/10.11613/BM.2020.030201>
26. Fidahic M, Nujic D, Runjic R, Civljak M, Markotic F, Lovric Makaric Z, **Puljak L**. Research methodology and characteristics of journal articles with original data, preprint articles and registered clinical trial protocols about COVID-19. *BMC Medical Research Methodology*. 2020;20(1):161. doi: 10.1186/s12874-020-01047-2.
27. Sharapov SZ, Shadrina AS, Tsepilov YA, Elgaeva EE, Tiys ES, Feoktistova SG, Zaytseva OO, Vuckovic F, Cuadrat R, Jäger S, Wittenbecher C, Karssen LC, Timofeeva M, Tillin T, Trbojević-Akmačić I, Štambuk T, Rudman N, Krištić J, Šimunović J, Momčilović A, Vilaj M, Jurić J, Slana A, Gudelj I, Klarić T, **Puljak L**, Skelin A, Jeličić Kadić A, van Zundert J, Chaturvedi N, Campbell H, Dunlop M, Farrington SM, Doherty M, Dagostino C, Gieger C, Allegri M, Williams F, Schulze M, Lauc G, Aulchenko YC. Replication of fifteen loci involved in human plasma protein N-glycosylation in 4,802 samples from four cohorts. *Glycobiology*. 2020. doi: 10.1093/glycob/cwaa053.
28. Augustin G, Boric M, Barcot O, **Puljak L**. Discordant outcomes of laparoscopic versus open appendectomy for suspected appendicitis during pregnancy in published meta-analyses: an overview of systematic reviews. *Surgical Endoscopy*. 2020. doi: 10.1007/s00464-020-07674-6.
29. Paladin I, Krnic Martinic M, Gabelica M, **Puljak L**. Nasopharyngeal perforation after blunt neck trauma during epileptic seizure. *Journal of Oral and Maxillofacial Surgery*. 2020;S0278-2391(20)30461-4. doi: 10.1016/j.joms.2020.05.008.
30. Sanader Vucemilovic A, Nujic D, **Puljak L**. Pain associated with psoriasis: systematic scoping review protocol. *BMJ Open*. 2020;10(6):e031461. doi: 10.1136/bmjopen-2019-031461.
31. Buljan I, Tokalic R, Roguljic M, Zakarija Grkovic I, Vrdoljak D, Milic P, **Puljak L**, Marusic A. Comparison of blogshots with plain language summaries of Cochrane systematic reviews: a qualitative study and randomized trial. *Trials* 2020;21:426. doi: 10.1186/s13063-020-04360-9
32. Vuka I, Dosenovic S, Marcus T, Ferhatovic Hamzic L, Vucic K, Sapunar D, **Puljak L**. Efficacy and safety of pulsed radiofrequency as a method of dorsal root ganglia stimulation for treatment of non-neuropathic pain: a systematic review. *BMC Anesthesiology*. 2020;20:105 <https://doi.org/10.1186/s12871-020-01023-9>.

33. Katinic M, **Puljak L**, Civljak M. Emotional intelligence and degree of education of healthcare professionals in emergency medicine. *Psychiatria Danubina*. Accepted April 19, 2020.
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Preprint articles

Analise Claassen, Jonathan Staheli, Ryan Ottwell, Wade Arthur, Will Roberts, Micah Hartwell, Drew N. Wright, **Livia Puljak**, Lan Zhu, Jam Khojasteh, Matt Vassar. Evaluation of spin in the abstracts of systematic reviews focused on analgesic opioids for non-cancer chronic pain management: A cross sectional analysis. Available at <http://preprints.jmir.org/preprint/30407>; <http://doi.org/10.2196/preprints.30407>.

Oral and poster presentations at scientific meetings

1. **Puljak L**. What is meta-research, and how should we call it. Plenary lecture. The 1st Evidence-Based Research Conference "Increasing the Value of Research"; an online conference held on 16th-17th November 2020. <https://evbres.eu/1st-ebr-conf/>
2. Banic A, Fidahic M, Suto J, Scepanovic R, Vuka I, **Puljak L**, Buljan I. Readability, linguistic characteristics and conclusiveness of Cochrane plain language summaries: a cross-sectional study. *Advances in Evidence Synthesis: special issue. Cochrane Database of Systematic Reviews* 2020;(9 Suppl 1):[93]. <https://doi.org/10.1002/14651858.CD202001>.
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12. Saric L, Dosenovic S, Saldanha IJ, Jelcic Kadic A, **Puljak L**. Are conference abstracts of systematic reviews reliable and well-reported? A case study of five consecutive World Congresses of Pain. Accepted for oral presentation on 26th Cochrane Colloquium in Santiago, Chile, 2019. Published as a supplement to Cochrane Database of Systematic Reviews. DOI: <https://doi.org/10.1002/14651858.CD201901>.
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14. **Puljak L**, Poklepovic Pericic T. GRADE methods. (Oral presentation). Symposium: From Cochrane systematic reviews to Cochrane clinical summaries in physical medicine and rehabilitation. Zagreb, Croatia. May 24, 2019.
15. **Puljak L**. Methodology and quality assessment of systematic reviews. (Oral presentation). Symposium: From Cochrane systematic reviews to Cochrane clinical summaries in physical medicine and rehabilitation. Zagreb, Croatia. May 24, 2019.
16. **Puljak L**. Methodology of Cochrane systematic reviews: how to recognize a high-quality systematic review. (Oral presentation). Cochrane education: evidence-based dental medicine. Zagreb, Croatia. May 22, 2019.
17. Džakula A, Jeroncic A, Loncarek K, Vocanec D, Lujo T, **Puljak L**, Gvozdanovic K, Banadinovic M, Kuljis T, Ivankovic D, Janev Holcer N. Policy coil - new tool for era of digital decision making. *European Journal of Public Health. Volume 28, Issue suppl_4, November 2018. cky218.011*, <https://doi.org/10.1093/eurpub/cky218.011>.
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19. Radman A, Babic A, Runjic E, Jelcic Kadic A, Jeric M, **Puljak L**. Efficacy and safety of nonopioid analgesics for pain and palliative care in children included in the World Health Organization Essential Medicines List: overview of systematic reviews. (Poster) 17th World Congress on Pain. Boston, MA, USA. September 12-16, 2018.
20. Saric L, Vucic K, Dragicevic K, Vrdoljak M, Jakus D, Vuka I, Jelcic Kadic A, Saldanha IJ, **Puljak L**. Comparison of conference abstracts and full-text publications of randomized controlled trials presented at four consecutive World Congresses of Pain: Reporting quality and agreement of results. (Poster) 17th World Congress on Pain. Boston, MA, USA. September 12-16, 2018.
21. Huić M, Tandara Haček R, Erčević D, Grenković R, **Puljak L**, Poklepović Peričić T, Čivljak M, Utrobičić A. EU project SELFIE and Croatian ICC model – palliative care. 3rd conference about palliative care with international participation “Palliative care in community – Croatian and European experiences. Pula, Croatia. May 4-6, 2018.
22. Huić M, Tandara Haček R, Erčević D, Grenković R, **Puljak L**, Poklepović Peričić T, Čivljak M, Utrobičić A. Why is selfie project so important? 3rd conference about palliative care with international participation “Palliative care in community – Croatian and European experiences. Pula, Croatia. May 4-6, 2018.

23. **Puljak L**, Babic A. Evidence-based emergency medicine. (Oral presentation) 4th Emergency Medicine Congress with International Participation. Vodice, Croatia. April 25-28, 2018.
24. **Puljak L**. Cochrane - promoting evidence-based decision-making in health care community. (Oral presentation) 7th Croatian Congress of Physical and Rehabilitation Medicine. Sibenik, Croatia. April 19-22, 2018.
25. Jeric M, Surjan N, Jelcic Kadic A, Riva N, Moja L, **Puljak L**. Treatment of acute migraine attacks in children with analgesics on the World Health Organization Essential Medicines List: A systematic review. (Poster) Cochrane Colloquium. Cape Town, South Africa. September 12-16, 2017.
26. Buljan I, Malički M, Wager E, **Puljak L**, Hren D, Kellie F, West H, Alfirević Ž, Marušić A. Presenting summary information from Cochrane systematic reviews: randomised-controlled trial of infographics vs. standard text-based summaries. Cochrane Colloquium. Cape Town, South Africa. September 12-16, 2017.
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29. Dosenovic S, Jelcic Kadic A, Boban M, Biocic M, Boric K, Vucic K, **Puljak L**. Interventions For Neuropathic Pain: An Overview Of Systematic Reviews. World Congress of Pain, Yokohama, Japan. September 26-30, 2016.
30. Jelcic Kadic A, Fidahic M, Vujcic M, Saric F, Propadalo I, Marelja I, Dosenovic S, **Puljak L**. Cochrane Plain Language Summaries and their adherence to standards. 8th Croatian Cochrane Symposium. Split, Croatia. May 9, 2016.
31. Vucic K, Jelcic Kadic A, **Puljak L**. Methods for data extraction from figures in protocols of Cochrane Systematic Reviews. Oral presentation. Cochrane Colloquium. Vienna, Austria. October 3-7, 2015.
32. **Puljak L**, Ried J. Involving volunteers in translating Cochrane Plain Language Summaries to increase capacity. Oral presentation. Cochrane Colloquium. Vienna, Austria. October 3-7, 2015.
33. **Puljak L**. Using social media to disseminate translated Cochrane evidence and to promote high-quality health information in non-English speaking regions. Oral presentation. Cochrane Colloquium. Vienna, Austria. October 3-7, 2015.
34. Vuica A, Ferhatovic Hamzic L, Vukojevic K, Jeric M, **Puljak L**, Grkovic I, Filipovic N. Expression of 1 α -hydroxylase and vitamin D receptors in the rat liver during ageing and long-term diabetes mellitus. Poster # PO-371. 12th Multinational Congress on Microscopy. Eger, Hungary, August 23-28, 2015.
35. **Puljak L**. Cochrane Croatia: promoting evidence-based medicine since 2008. Evidence based healthy ageing in Europe. Rijeka, Croatia, May 27-29, 2015.
36. Dosenovic S, Jelcic Kadic A, Boban M, **Puljak L**. What do systematic reviews on the management of neuropathic pain tell us: a protocol for assessment of current evidence-based knowledge. 7th Croatian Cochrane Symposium. Split, Croatia, May 11, 2015.
37. Fidahic M, Jelcic Kadic A, Radic M, **Puljak L**. Celecoxib for rheumatoid arthritis: a Cochrane systematic review protocol. 7th Croatian Cochrane Symposium. Split, Croatia, May 11, 2015.
38. **Puljak L**. Evidence-based medicine: how do we know that a treatment is safe and effective. 1st Regional Workshop – Capacity Building for Sustainable Health Care Programs in South-Eastern Europe. Dubrovnik, Croatia, March 12-14, 2015.
39. Boric M, Jelcic Kadic A, **Puljak L**. Changes of calcium/calmodulin-dependent protein kinase II expression in spinal cord in rat models of type 1 and type 2 diabetes. Poster presentation. The 6th international symposium of clinical and applied anatomy. Malinska, Krk, June 26-29. 2014.
40. Borić M, Jeličić Kadić A, Sapunar D, **Puljak L**. The expression of calcium/calmodulin-dependent protein kinase II in spinal cord in rat models of type 1 and type 2 diabetes. Bridges in Life Sciences 9th Annual Scientific Conference. May 27-31, 2014. Split, Croatia.
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42. Boric M, Jeličić Kadić A, **Puljak L**. Cutaneous expression of calcium/calmodulin-dependent protein kinase II following diabetes induction. Bridges in Life Sciences 9th Annual Scientific Conference. May 27-31, 2014. Split, Croatia.

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45. Jelacic Kadic A, Boric M, Kostic S, Sapunar D, **Puljak L**. Intrathecal and intraganglionic injection of calcium/calmodulin-dependent protein kinase II inhibitors as potential treatment of neuropathic pain-related behavior. Workshop Application of biomaterials and in vivo imaging in stem cell research. Zagreb, Croatia. March 27-29, 2014.
46. Lesin M, Sundov ZD, Jukic M, **Puljak L**. Postoperative Pain in Complex Ophthalmic Surgical Procedures: Comparing Practice with Guidelines. Fifth Congress of the Association of Teachers in General Practice/Family Medicine: Pain – fifth vital sign. Zagreb, Croatia. March 14-16, 2014.
47. **Puljak L**. Evidence for the best clinical practice: how do we now that treatments are effective? First Croatian international congress of nutritionists: Metabolic syndrome. Osijek, Croatia. November 9-10, 2013.
48. Jelacic Kadic A, Boric M, Kostic S, Sapunar D, **Puljak L**. The effects of intraganglionic injection of calcium/calmodulin-dependent protein kinase II inhibitors on pain-related behavior in diabetic neuropathy. Oral presentation. 4th RECOOP TriNet Meeting. Split, Croatia. October 10-13, 2013.
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54. Banozic A, **Puljak L**, Grkovic I, Sapunar D. Pain-related behavioral changes following experimentally induced acute myocardial infarction in rats. 14th World Congress on Pain. Milan, Italy. August 27-31, 2012.
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58. Rezic Muzinic N, Cikes Culic V, Radan M, Mastelic A, Delic H, Ferhatovic L, **Puljak L**, Markotic A. Renal globotetraosylceramide expression in rat model of diabetes type 1. FEBS3+ Meeting From Molecules to Life and Back. Opatija, Croatia. June 13-16, 2012.
59. Ferhatovic L, Kostic S, Banozic A, Vrdoljak L, Sapunar D, **Puljak L**. A role of calcium/calmodulin-dependent protein kinase II in diabetic neuropathy. Invited oral presentation. Bridges in Life Sciences 7th Annual Conference: Science and Art for the Advancement in Medicine. Budapest, Hungary. March 30 – April 1, 2012.
60. Ozegic O, Malekovic G, Mestrovic T, **Puljak L**, Klinar I. Physicians' attitudes about patient self-education on Internet and interpersonal communication. 2nd Croatian Congress on Prevention and Rehabilitation in Psychiatry. Zagreb, Croatia. February 9-11, 2012.

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69. Kraljevic S, Banozic A, Maric A, Cosic A, Sapunar D, **Puljak L**. Pain catastrophizing in triad mother-father-child. Poster # 20. 2nd Croatian congress on pain treatment. Osijek, Croatia. October 7-10, 2010.
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73. Kostic S, **Puljak L**, Sapunar D. Targeted delivery of NPY into dorsal root ganglion reduces pain-related behavior following intraplantar carrageenan injection. Presentation number: PW 255. 13th World Congress on Pain. Montreal, Canada, August 29-September 2, 2010.
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76. Kraljevic S, Banozic A, Maric A, Cosic A, Sapunar D, **Puljak L**. Pain catastrophizing in triad father-mother-child. First Congress of Pain Therapy BiH with international participation: Sharing experiences with pain therapy. Sarajevo, Bosnia and Herzegovina, April 15-16, 2010.
77. Bosnjak L, Vukojevic K, **Puljak L**, Marusic A. Analysis of a number and type of publications that editors publish in their own journals: Croatian case study. Fifth ORI Research Conference on Research Integrity. Niagara Falls, NY, USA, May 15-17, 2009.
78. Dzubur Kulenovic A, **Puljak L**, Vukojevic K, Zaletel Kragelj L, Donev DM. How to improve the visibility of research in the countries from the "scientific periphery": A case study. 17th European Congress of Psychiatry, Lisbon, January 24-28, 2009.
79. Glavina Durdov M, Saratlija Novakovic Z, **Puljak L**, Saraga M, Ljutic D, Scukanec Spoljar M, Filipovic T, Pastar T, Vukojevic K. Expression of alpha-smooth muscle actin has impact on renal function in glomerulonephritis. American Society of Nephrology Renal Week 2008, Philadelphia, PA, USA, November 4-9, 2008.

80. Trgo G, Tomic S, **Puljak L**, Kunac N, Vilovic K, Sundov Z. p53 and survivin expression in Dukes' B colorectal carcinoma patients: correlation with clinical and pathological factors. Congress of pathology and forensic medicine. Osijek, Croatia, September 25-27, 2008.
81. **Puljak L**, Lovric Kojundzic S, Hogan Q, Sapunar D. Effect of lidocaine injection in spinal nerve and dorsal root ganglion. 12th World Congress on Pain, Glasgow, Scotland, UK, August 17-22, 2008.
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84. **Puljak L**, Lovric Kojundzic S, Sapunar D. Behavioral and morphological changes in rat DRG following lidocaine injection. 14th Young Neuroscientist Meeting, Trieste, Italy. May 31, 2007.
85. **Puljak L**, Parameswara V, Esser V, Kilic G. Metformin reverses NASH through vesicular exocytosis and AMPK. Marie Curie Workshop 2006 in Croatia and Serbia. Zagreb and Belgrade. 2006.
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88. **Puljak L**, Franičević D. Raising awareness on organ donation and donor card. Third Croatian Surgical Congress. Pula, May 2002.
89. Tomić S, Anđelinović Š, **Puljak L**, Pešutić-Pisac V, Bezić J, Milostić K, Trgo G. Prognostic significance of lymphatic and blood vessel invasion by tumor cells in colorectal carcinoma. *Acta Clin Croat.* 2002; 41:135-186. Conference papers. 13th Ljudevit Jurak International Symposium on Comparative Pathology Zagreb, Croatia, May 2002.

Other articles

- Puljak L. Evolutionary theory in Eastern Europe. A True Fact. *Lab Times* 2009;1:28-29.
 Puljak L. Brain gain in the Western Balkans. *Lab Times* 2008;3:38–41.
 Puljak L. All about me in 100 words. *Lab Times* 2008;2;50-51.
 Puljak L. A kind of love affair. *Lab Times* 2008;1;24-25.
 Puljak L. Recipe for health. *Global Forum for Health Research and The Lancet*. 2006.
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 Puljak L. A proper doctor knows everything. *British Medical Journal* 2006 Jul 1;333:248.
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 Puljak L. And the winner of the Ig Nobel prize for medicine. *studentBMJ* 2006;14:221 264 June.
 Puljak L. Career blocker: Bad advisor. *Science careers*. January 13, 2006.

Student activities

- 2001 - 2002 National Public Health Officer, CroMSIC
 2001 Author and coordinator of the international medical students' project «Raising awareness on organ donation and donor card»
 2000 - 2002 Organizer of international exchange of medical students in Split, Croatia
 2000 Founder and president of the Croatian Medical Students' International Committee, Local Committee Split (CroMSIC LC Split)
 1997 - 1999 Demonstrator (teaching assistant) for Anatomy, Histology and Embryology

Postdoctoral activities

- 2005 - 2006 Founder and inaugural president of the Postdoctoral Association at the University of Texas Southwestern Medical Center at Dallas, TX, USA

Editorial experiences

- 2020 Senior Board Member, BMC Medical Research Methodology
 2020 Guest Editor, BMC Medical Research Methodology COVID-19 Collection
 2020 Associate Editor, Research Synthesis Methods
 2018 - 2020 Section Editor, BMC Medical Research Methodology
 2014 - Editor, web portal Dokazi u medicini
 2014 - Editorial Board, Bosnian Journal of Basic Medical Sciences
 2013 - Editorial Board, Paediatrics Today
 2012 - Editorial Board, Liječničke novine
 2017 - 2018 Editorial Board, Croatian Medical Journal
 2007 - 2013 Editor, Magazine of the School of Medicine in Split
 2005 - 2006 Editor-in-Chief, The Postdocket
 2000 - 2002 Editor of www.medicina.hr, Croatian independent medical web-site

Volunteering experiences

- 2012 - Certified Mountain Guide, Croatian Mountain Guide Association
 2010 – 2015 Head of the Mountaineering School, Mountaineering club Split, Croatia
 2006 – 2015 Executive Board, Mountaineering club Split, Croatia
 2003 - 2004 Team Leader, Volunteers for Outdoor Colorado, Denver, CO, USA
 2003 - 2004 Volunteer, Colorado Fourteeners Initiative, Golden, CO, USA

Other activities

- 2007 - 2008 Science Manager, Tempus project "Training for EU-liaison officers in Croatian Universities: pursuing Bologna and EU integration aims (TRIUMPH)"
 2007 Project participant, CARDS project "Intellectual Property Rights Infrastructure for the R&D Sector in Croatia"

Language skills

- Croatian (Native speaker)
 English (Advanced)
 Italian (Intermediate)
 German (Basic)
 Spanish (Basic)

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