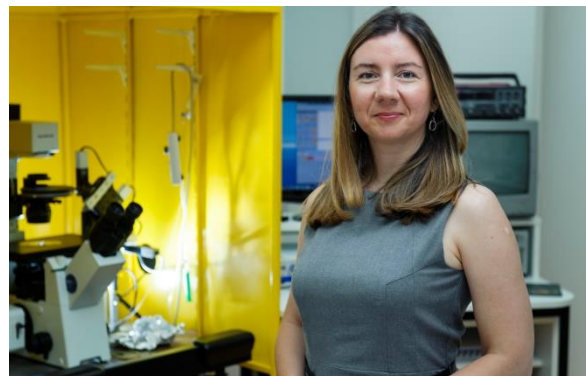


## CURRICULUM VITAE

### Prof. LIVIA PULJAK, MD, PhD

**Affiliation #1**

University of Split School of Medicine  
 Cochrane Croatia  
 Laboratory for Pain Research  
 Department of Anatomy, Histology and Embryology  
 Šoltanska 2, 21000 Split, Croatia  
**Phone:** +385 21 557 807, **Fax:** +385 21 557 811  
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**Affiliation #2**

Agency for Quality and Accreditation in Health Care and Social Welfare; Department for Development, Research and Health Technology Assessment  
 Planinska 13, 10000 Zagreb, Croatia

**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

**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

**Work experiences**

2016 Senior Advisor, Agency for Quality and Accreditation in Health Care, Croatia  
 2013 – Associate Professor, University of Split School of Medicine, Croatia (USSM)  
 2013 – Head, Department of Histology and Embryology, USSM  
 2011 – Deputy Director, Translational Research in Biomedicine – PhD Program, USSM  
 2011 – 2013 Head, Laboratory for Pain Research, USSM  
 2009 – 2013 Assistant Professor, University of Split School of Medicine, Croatia  
 2010 – 2011 Vice Dean for Research, 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**

2016 Committee for safe use of medicines, Agency for Medicinal Products and Medical Devices (HALMED)  
 2011 – Board of Directors, Zeljko J. Bosnjak Foundation  
 2010 – Committee for Continuous Medical Education, School of Medicine in Split  
 2010 – Fame Lab, Organizing Committee, University of Split  
 2010 – Festival of Science, Organizing Committee, University of Split  
 2009 – Knowledge Translation Coordinator, Croatian Cochrane Branch  
 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

### Research interests

Pain, Evidence-based medicine

### Grants

2016 Project Coordinator, Popularization of science grant (MZOS)  
 2015 - Clinical site coordinator, Multi-dimensional omics approach to stratification of patients with low back pain; Pain-OMICS (EU FP7 project)  
 2015 - Project participant, Professionalism in health (HRZZ)  
 2015 - Project participant, Treating neuropathic pain with dorsal root ganglion stimulation (HRZZ)  
 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 (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

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.

### Mentored graduate students

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's thesis, University of Mostar  
 2011 Katarina Novak, Doctoral thesis, University of Split  
 2011 Suzyen Kraljević, Master's thesis, University of Split  
 2011 Antonija Marić, Master's thesis, University of Mostar  
 2011 Ankica Ćosić, Master's thesis, University of Mostar

### Mentored undergraduate students

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

**Teaching experience**

- *University of Split School of Medicine*: Histology and Embryology, Writing a research paper, Empathy and pain, The Cochrane library, The puzzle of pain, Fertilization, Communication and presentation skills, Assessment of a research article
- *Medical School Mostar, Bosnia and Herzegovina*: Principles of research in medicine, The puzzle of pain
- *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*)

**Reviews and evaluations**

**Research projects**: COST, FP7, Horizon 2020, The Netherlands Organisation for Scientific Research (NWO); Croatian Science Foundation (HRZZ)

**Symposia**: Bridges in Life Sciences, Cochrane Colloquium

**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

**Peer-reviewer for scholarly journals (N=72)**

ACS Chemical Neuroscience, Acta Anaesthesiologica Scandinavica, Acta Histochemica, Acta Medica Academica, Advances in Health Sciences Education, Advances in Medical Education and Practice, American Journal of Case Reports, Anesthesia & Analgesia, Archives of Disease in Childhood, Biopolymers and Cell, BMC Anesthesiology, BMC Medical Education, BMC Musculoskeletal Disorders, BMC Psychology, BMJ, Bosnian Journal of Basic Medical Sciences, British Journal of Medicine and Medical Research, Clinical and Experimental Dermatology, Clinical Epidemiology, Collegium Antropologicum, Croatian Medical Journal, Current Medical Research & Opinion, Diabetes and Vascular Disease Research, Educational Research, European Journal of Dental Education, European Journal of Pain, European Science Editing, Experimental Gerontology, Family Medicine, International Journal of Behavioral Medicine, International Journal of Preventive Medicine, International Medical Case Reports Journal, Journal of Anesthesia & Clinical Care, Journal of Disease and Global Health, Journal of Educational Administration and Policy Studies, Journal of Endocrinology, Journal of Herbal Medicine, Journal of Interprofessional Care, Journal of Medical Internet Research, Journal of Neurosciences in Rural Practice, Journal of Nutrition, Health and Aging, Journal of Pain Research, Journal of Physiology and Biochemistry, Khyber Medical University Journal, Liječnički vijesnik, Macedonian Journal of Medical Sciences, Medical & Biological Engineering & Computing, Medical Education, Medical Humanities, Medical Science Monitor, Medicinski glasnik, Microscopy and Microanalysis, Molecular Neurobiology, Neurobiology of Disease, Neuroscience, Neuroscience Letters, Nurse Education Today, Pain Practice, Patient Preference and Adherence, PLoS One, Psychology, Health & Medicine, Psychology Research and Behavior Management, Recent Patents on Biotechnology, SAGE Open Medicine, Saudi Medical Journal, Science and Engineering Ethics, Somatosensory & Motor Research, SpringerPlus, Therapeutics and Clinical Risk Management, Trials, World Journal of Gastroenterology, World Journal of Orthopedics

**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/FamilyMedicine (DNOOM). *Medix* 2014;20 (11).

**Publications in peer-reviewed journals**

1. Brkovic T, Burilovic E, **Puljak L**. Risk factors associated with pain on chronic intermittent hemodialysis: a systematic review. *Pain Practice*. Accepted.
2. Biocic M, Vidosevic D, Boric M, Boric T, Fabijanic D, Giunio L, **Puljak L**. Anesthesia and perioperative pain management during cardiac electronic device implantation. *Journal of Pain Research*. Accepted.
3. Rossini Gajsak L, Gelemanovic A, Rojnic Kuzman M, **Puljak L**. Impact of stress response in development of first-episode psychosis in schizophrenia: An overview of systematic reviews. *Psychiatria Danubina*. Accepted.
4. Dosenovic S, Jelcic Kadic A, Boban M, Biocic M, Boric K, Cavar M, Markovina N, Vucic K, **Puljak L**. Interventions for neuropathic pain: an overview of systematic reviews. *Anesthesia & Analgesia*. Accepted.
5. Markotic F, Vrdoljak D, Puljiz M, **Puljak L**. Risk perception about medication sharing among patients: a focus group qualitative study on borrowing and lending of prescription analgesics. *Journal of Pain Research*. 2017;10:365-374.
6. Krsticevic M, Jeric M, Dosenovic S, Jelcic Kadic S, **Puljak L**. Proliferative injection therapy for osteoarthritis: a systematic review. *International Orthopaedics*. 2017 Feb 11. doi: 10.1007/s00264-017-3422-5.
7. Boric K, Boric M, Boric T, **Puljak L**. Analysis of perioperative pain management in vascular surgery indicates that practice does not adhere with guidelines: a retrospective cross-sectional study. *Journal of Pain Research*. 2017;10:203-9.
8. Markotic F, **Puljak L**. Risks associated with borrowing and sharing of prescription analgesics among patients observed by pain management physicians in Croatia: a qualitative study. *Journal of Pain Research*. 2016;9:1143-1151.
9. Jukic M, Saric L, Prkic I, **Puljak L**. Medical futility treatment in intensive care units. *Acta Medica Academica*. 2016;45(2):135-144.
10. Vuica A, Vukojevic K, Ferhatovic Hamzic L, Jeric M, **Puljak L**, Grkovic I, Filipovic N. Expression pattern of CYP24 in liver during ageing in long-term diabetes. *Acta Histochemica*. 2016; 118(5):486-95.
11. Jelcic Kadic A, Fidahic M, Vujcic M, Saric F, Propadalo I, Marelja I, Dosenovic S, **Puljak L**. Cochrane plain language summaries are highly heterogeneous with low adherence to the standards. *BMC Medical Research Methodology*. 2016; 16(1):61.
12. Fidahic M, Jelcic Kadic A, Radic M, **Puljak L**. Celecoxib for rheumatoid arthritis (Protocol). *Cochrane Database of Systematic Reviews* 2016, Issue 2. Art. No.: CD012095. DOI: 10.1002/14651858.CD012095.
13. Brkovic T, Burilovic E, **Puljak L**. Prevalence and severity of pain in adult end-stage renal disease patients on chronic intermittent hemodialysis: a systematic review. *Patient Preference and Adherence*. 2016.10:1131-50.
14. Jelcic Kadic A, Vucic K, Dosenovic S, Sapunar D, **Puljak L**. Extracting data from figures with software was faster, with higher inter-rater reliability than manual extraction. *Journal of Clinical Epidemiology*. 2016;74:119-23.
15. Lesin M, Dzaja Lozo M, Duplancic Sundov Z, Dzaja I, Davidovic N, Banozic A, **Puljak L**. Risk factors associated with postoperative pain after ophthalmic surgery: a prospective study. *Therapeutics and Clinical Risk Management*. 2016;12:93-102.

16. Jelacic Kadic A, Vucic K, **Puljak L**. Survey of Cochrane protocols found methods for data extraction from figures not mentioned or unclear. *Journal of Clinical Epidemiology*. 2015;68:1161-4.
17. **Puljak L**. Using social media for knowledge translation, promotion of evidence-based medicine and high-quality information on health. *Journal of Evidence-Based Medicine*. 2015. doi: 10.1111/jebm.12175.
18. Vuica A, Ferhatovic Hamzic L, Vukojevic K, Jeric M, **Puljak L**, Grkovic I, Filipovic N. Aging and chronic diabetes mellitus increase expression of 1  $\alpha$ -hydroxylase and vitamin D receptors in the liver of rats. *Experimental Gerontology*. 2015;72:167-76
19. Lesin M, Domazet Bugarin J, **Puljak L**. Factors associated with postoperative pain and analgesic consumption in ophthalmic surgery: a systematic review. *Survey of Ophthalmology*. 2015;60(3):196-203.
20. Krnic D, Anic Matic A, Dosenovic S, Zezelic S, Draganic P, **Puljak L**. National consumption of opioid and nonopioid analgesics in Croatia: 2007-2013. *Therapeutics and Clinical Risk Management*. 2015;11:1305-14.
21. Vrdoljak D, Petric D, Diminic Lisica I, Kranjcevic K, Dosen Jankovic S, Delija I, **Puljak L**. Knowledge and attitudes towards evidence-based medicine of mentors in general practice can be influenced by using medical students as academic detailers. *European Journal of General Practice*. 2015;21(3):170-5.
22. Fidahic M, Dogan K, Sapunar D, **Puljak L**. National survey of pain clinics in Croatia: organization and practice. *Acta Medica Academica*. 2015;44(1):18-30.
23. Mahmić Kaknjo M, **Puljak L**, Markotić F, Fidahić M, Muhamedagić L, Zakarija Grković I. Prospects of Cochrane in Bosnia-Herzegovina – relying on Cochrane Croatia. *Acta Medica Academica*. 2015;44(1):58-67.
24. Brkovic E, Novak K, **Puljak L**. Pain-to-hospital times, cardiovascular risk factors and early intra-hospital mortality in patients with acute myocardial infarction. *Therapeutics and Clinical Risk Management*. 2015;11:209-16.
25. Jeric M, Vuica A, Boric M, **Puljak L**, Jelacic Kadic A, Grkovic I, Filipovic N. Diabetes mellitus affects activity of calcium/calmodulin-dependent protein kinase II alpha in rat trigeminal ganglia. *Journal of Chemical Neuroanatomy*. 2015;64-65:12-19.
26. Masek T, Filipovic N, Ferhatovic Hamzic L, **Puljak L**, Starcevic N. A long-term streptozotocin diabetes impairs an arachidonic and docosahexaenoic acid metabolism and  $\Delta$ 5 desaturation indices in aged rats. *Experimental Gerontology*. 2014;60:140-146.
27. Boric M, Jelacic Kadic A, **Puljak L**. Cutaneous expression of calcium/calmodulin-dependent protein kinase II in rats with type 1 and type 2 diabetes. *Journal of Chemical Neuroanatomy*. 2014; 61-62C:140-146.
28. Coric A, Banozic A, Klaric M, Vukojevic K, **Puljak L**. Dental fear and anxiety in older children: an association with parental dental anxiety and effective pain coping strategies. *Journal of Pain Research*. 2014;7:515-521.
29. Boric M, Jelacic Kadic A, **Puljak L**. The expression of calcium/calmodulin-dependent protein kinase II in dorsal horn of rats with type 1 and type 2 diabetes. *Neuroscience Letters*. 2014;579:151-6.
30. Lesin M, Sundov ZD, Jukic M, **Puljak L**. Postoperative Pain in Complex Ophthalmic Surgical Procedures: Comparing Practice with Guidelines. *Pain Medicine*. 2014;15(6):1036-42.
31. **Puljak L**, Vari SG. Significance of research networking for enhancing collaboration and research productivity. *Croatian Medical Journal*. 2014;55(3):181-3.
32. Blazetic S, Labak I, Viljetic B, Balog M, Vari SG, Krivosikova Z, Gajdos M, Kramarova P, Kebis A, Vukovic R, **Puljak L**, Has-Schon E, Heffer M. Effects of high-fat diet, ovariectomy, and physical activity on leptin receptor expression in rat brain and white fat tissue. *Croatian Medical Journal*. 2014;55(3):228-238.
33. 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. *Neuroscience*. 2014;256:302-308.
34. Vrdoljak D, Bergman Markovic B, **Puljak L**, Kranjcevic K, Vucak J, Ivezic Lalic D. Lifestyle intervention in general practice for physical activity, smoking, alcohol consumption and diet in elderly: a randomized controlled trial. *Archives of Geriatrics and Gerontology*. 2014;58(1):160-9.
35. Banozic A, Grkovic I, **Puljak L**, Sapunar D. Behavioral changes following experimentally induced acute myocardial infarction in rats. *International Heart Journal*. 2014;55(2):169-77.
36. Jelacic Kadic A, Boric M, Vidak M, Ferhatovic L, **Puljak L**. Changes in epidermal thickness and cutaneous innervation during maturation in long-term diabetes. *Journal of Tissue Viability*. 2014;23(1):7-12.

37. Ferhatovic L, Jelcic Kadic A, Boric M, **Puljak L**. Changes of calcium/calmodulin-dependent protein kinase II expression in dorsal root ganglia during maturation in long-term diabetes. *Histology and Histopathology*. 2014;29(5):649-58.
38. Boric M, Skopljanac I, Ferhatovic L, Jelcic Kadic A, Banozic A, **Puljak L**. Reduced epidermal thickness, nerve degeneration and increased pain-related behavior in rats with diabetes type 1 and 2. *Journal of Chemical Neuroanatomy*. 2013;53:33-40.
39. Jelcic Kadic A, Boric M, Ferhatovic L, Banozic A, Sapunar D, **Puljak L**. Intrathecal inhibition of calcium/calmodulin-dependent protein kinase II in diabetic neuropathy adversely affects pain-related behavior. *Neuroscience Letters*. 2013;554:126-30.
40. Bakovic M, Juric Paic M, Zdrilic E, Vukojevic K, Ferhatovic L, Marin A, Filipovic N, Grkovic I, **Puljak L**. Changes in cardiac innervations during maturation in long-term diabetes. *Experimental Gerontology*. 2013;48(12):1473-1478.
41. Boric M, Jelcic Kadic A, Ferhatovic L, Sapunar D, **Puljak L**. Calcium/calmodulin-dependent protein kinase II in dorsal horn neurons in long-term diabetes. *NeuroReport*. 2013;24(17):992-6.
42. Lukin A, Novak K, Polic S, **Puljak L**. Prognostic value of low and moderately elevated C-reactive protein in acute coronary syndrome: A 2-year follow-up study. *Medical Science Monitor*. 2013;19:777-86.
43. Babic A, Brekalo M, Juric S, **Puljak L**. Pressures and interventions imposed on medical school teachers regarding students' examination grades. *Medical Education*. 2013;47(8):820-3.
44. Triva P, Jukic M, **Puljak L**. Access to public healthcare services and waiting times for patients with chronic nonmalignant pain: feedback from a tertiary pain clinic. *Acta Clinica Croatica*. 2013;52(1):79-85.
45. Filipovic N, Ferhatovic L, Marelja I, **Puljak L**, Grkovic I. Increased vitamin D receptor expression in dorsal root ganglia neurons of diabetic rats. *Neuroscience letters*. 2013;549:140-145.
46. Novak A, Rezic Muzinic N, Cikes Culic V, Bozic J, Ticinovic Kurir T, Ferhatovic L, **Puljak L**, Markotic A. Renal distribution of ganglioside GM3 in rat models of type 1 and type 2 diabetes. *Journal of Physiology and Biochemistry*. 2013;69(4):727-35.
47. Tesija RA, Maslov Kruzicevic S, Banozic A, Esteban CD, Sapunar D, **Puljak L**. Extension of the course duration and stricter study organisation have positive impact on attrition and academic performance of medical students. *Croatian Medical Journal*. 2013;54:192-7.
48. Vrdoljak L, Mijacika T, Milicevic T, Sapunar D, **Puljak L**. Impact of a recruitment campaign on students' applications to medical school. *Acta Medica Academica*. 2013;42(1):32-40.
49. Cosic A, Ferhatovic L, Banozic A, Kraljevic S, Maric A, Sapunar D, **Puljak L**. Pain catastrophizing changes during menstrual cycle. *Psychology, Health & Medicine*. 2013;18(6):735-41.
50. Markotic F, Cerni Obrdalj E, Zalihic A, Pehar R, Hadziosmanovic Z, Pivic G, Durasovic S, Grgic V, Banozic A, Sapunar D, **Puljak L**. Adherence to pharmacological treatment of chronic non-malignant pain in individuals aged 65 and older. *Pain Medicine*. 2013;14(2):247-56.
51. Ferhatovic L, Banozic A, Kostic S, Sapunar D, **Puljak L**. Sex differences in pain-related behavior and expression of calcium/calmodulin-dependent protein kinase II in dorsal root ganglia of rats with diabetes type 1 and type 2. *Acta Histochemica*. 2013;115(5):496-504.
52. Ferhatovic L, Banozic A, Kostic S, Ticinovic Kurir T, Novak A, Vrdoljak L, Heffer M, Sapunar D, **Puljak L**. Expression of calcium/calmodulin-dependent protein kinase II and pain-related behavior in rat models of type 1 and type 2 diabetes. *Anesthesia & Analgesia*. 2013;116(3):712-21.
53. Kostic S, **Puljak L**, Sapunar D. Attenuation of pain-related behaviour evoked by carrageenan injection through blockade of neuropeptide Y Y1 and Y2 receptors. *European Journal of Pain*. 2013;17(4):493-504.
54. Klinar I, Ferhatovic L, Banozic A, Raguz M, Kostic S, Sapunar D, **Puljak L**. Physicians' attitudes about interprofessional treatment of chronic pain: family physicians are considered the most important collaborators. *Scandinavian Journal of Caring Sciences*. 2013;27(2):303-10.
55. Jukic M, Kardum G, Sapunar D, **Puljak L**. Treatment of chronic musculoskeletal back pain in a tertiary pain clinic. *Journal of Musculoskeletal Pain*. 2012;4:277-283.
56. Qadri I, Choudhury M, Mizanoor Rahman S, Knotts TA, Janssen RC, Schaack J, Iwahashi M, **Puljak L**, Simon FR, Kilic G, Fitz JG, Friedman JE. Increased phosphoenolpyruvate carboxykinase (PEPCK) gene expression and steatosis during hepatitis C virus (HCV) subgenome replication: role of nonstructural component-5A (NS5A) and CCAAT/enhancer binding protein  $\beta$  (C/EBP $\beta$ ). *Journal of Biological Chemistry*. 2012;287(44):37340-51.
57. Balajic K, Barac Latas V, Drenjancevic I, Ostojic M, Fabijanic D, **Puljak L**. Influence of a vertical subject on research in biomedicine and activities of The Cochrane Collaboration branch on medical students' knowledge and attitudes toward evidence-based medicine. *Croatian Medical Journal*. 2012;53(4):367-73.

58. Maslov Kruzicevic S, Barisic KJ, Banozic A, Sapunar D, Esteban CD, **Puljak L**. Predictors of attrition and academic success of medical students: a 30-year retrospective study. *PLoS ONE*. 2012;7(6): e39144. doi:10.1371/journal.pone.0039144.
59. Vrdoljak D, Selimovic M, Marin A, Utrobicic A, Tugwell P, **Puljak L**. Celecoxib for osteoarthritis. Protocol. Cochrane Database of Systematic Reviews. 2012, May 16;5:CD009865.
60. Basic Z, Kostic S, Kosta V, Carija R, **Puljak L**, Sapunar D. Postlaminectomy stabilization of the spine in a rat model of neuropathic pain reduces pain-related behavior. *Spine*. 2012;37(22):1874-82.
61. Sapunar D, Kostic S, Banozic A, **Puljak L**. Dorsal root ganglion – a potential new therapeutic target for neuropathic pain. *Journal of Pain Research*. 2012;5:31-38.
62. Kraljevic S, Banozic A, Maric A, Cosic A, Sapunar D, **Puljak L**. Parents' pain catastrophizing is related to pain catastrophizing of their adult children. *International Journal of Behavioral Medicine*. 2012;19:115-119.
63. Saratlija Novakovic Z, Glavina Durdov M, **Puljak L**, Saraga M, Ljutic D, Filipovic T, Pastar Z, Bendic A, Vukojevic K. The interstitial expression of alpha-smooth muscle actin in glomerulonephritis is associated with renal function. *Medical Science Monitor*. 2012;18(4):CR235-240.
64. Sapunar D, Vukojevic K, Kostic S, **Puljak L**. Attenuation of pain-related behavior evoked by injury through blockade of neuropeptide Y Y2 receptor. *PAIN*. 2011;152:1173-1181.
65. Sundov Z, Kunac N, Capkun V, Kalebic M, Druzijanic N, **Puljak L**, Tomic S. Cyclooxygenase-2 in Dukes B colon cancer. *Hepato-gastroenterology*. 2011;58(107-108):763-8.
66. Sapunar D, Kostic S, Banozic A, Ferhatovic L, **Puljak L**. Pain research in Croatia: Analysis of bibliometric trends. *Periodicum biologorum*. 2011;113(2):137-140.
67. Maric A, Banozic A, Cosic A, Kraljevic S, Sapunar D, **Puljak L**. Validation of the Croatian Pain Catastrophizing Scale through a study on the influence of medical education on pain catastrophizing. *Periodicum biologorum*. 2011;113(2):171-175.
68. **Puljak L**, Sapunar D. Web-based elective courses for medical students: an example in Pain. *Pain Medicine*. 2011;12(6):854-63.
69. Sambunjak D, **Puljak L**. Cochrane systematic review as a PhD thesis: an alternative with numerous advantages. *Biochemia Medica*. 2010;20(3):319-26.
70. Novak K, Aljinovic J, Kostic S, Capkun V, Novak Ribicic K, Batinic T, Stula I, **Puljak L**. Pain to hospital times after myocardial infarction in patients from mainland and islands in Dalmatia, Southern Croatia. *Croatian Medical Journal*. 2010;51:423-31.
71. Novak K, Miric D, Jurin A, Vukojevic K, Aljinovic J, Caric A, Marinovic Guic M, Poljicanin A, Kosta V, Rako D, Marusic A, Marusic M, **Puljak L**. Awareness and use of evidence-based medicine databases and The Cochrane Library among physicians in Croatia. *Croatian Medical Journal*. 2010;51:157-64.
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#### Abstracts and presentations at scientific meetings

1. Jelacic Kadic A, Fidahic M, Vujcic M, Saric F, Propadalo I, Marelja I, Dosenovic S, **Puljak L**. Cochrane Plain Language Summaries are highly heterogeneous with low adherence to standards. Cochrane Colloquium. Seoul, Republic of Korea. October 23-27, 2016.
2. Jelacic 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.
3. Vucic K, Jelacic 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.
4. **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.
5. **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.
6. Vuica A, Ferhatovic Hamzic L, Vukojevic K, Jeric M, **Puljak L**, Grkovic I, Filipovic N. Expression of 1  $\alpha$ -hydroxylase and vitamin D receptors in the rat liver during ageing and long-term diabetes mellitus. Poster # PO-371. 12<sup>th</sup> Multinational Congress on Microscopy. Eger, Hungary, August 23-28, 2015.
7. **Puljak L**. Cochrane Croatia: promoting evidence-based medicine since 2008. Evidence based healthy ageing in Europe. Rijeka, Croatia, May 27-29, 2015.
8. Dosenovic S, Jelacic 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.
9. Fidahic M, Jelacic Kadic A, Radic M, **Puljak L**. Celecoxib for rheumatoid arthritis: a Cochrane systematic review protocol. 7th Croatian Cochrane Symposium. Split, Croatia, May 11, 2015.
10. **Puljak L**. Evidence-based medicine: how do we know that a treatment is safe and effective. 1<sup>st</sup> Regional Workshop – Capacity Building for Sustainable Health Care Programs in South-Eastern Europe. Dubrovnik, Croatia, March 12-14, 2015.
11. Boric M, Jelacic 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 6<sup>th</sup> international symposium of clinical and applied anatomy. Malinska, Krk, June 26-29, 2014.
12. Boric 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.



13. Borsanyiova M, Sarmirova S, **Puljak L**, Jeličić Kadić A2 Borić M, Vari SG, Bopegamage S. A pilot study applicability of standardized modified method of dry (throat/buccal) swabs in PCR diagnosis of enteroviral infections. Bridges in Life Sciences 9th Annual Scientific Conference. May 27-31, 2014. Split, Croatia.
14. Borić 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.
15. Vrdoljak D, Bergman Marković B, **Puljak L**, Kranjčević K, Vučak J, Ivezić Lalić D. Lifestyle intervention in general practice for physical activity, smoking, alcohol consumption and diet in elderly. Bridges in Life Sciences 9th Annual Scientific Conference. May 27-31, 2014. Split, Croatia.
16. Blažetić S, Labak I, Viljević B, Balog M, Vari SG, Krivošiková Z, Gajdoš M, Kramárová P, Kebis A, Vuković R, **Puljak L**, Has-Schön E, Heffer M. Effects of high fat diet, ovariectomy and physical activity on leptin receptor expression in rat brain and white fat tissue. Bridges in Life Sciences 9th Annual Scientific Conference. May 27-31, 2014. Split, Croatia.
17. Jelčić Kadić A, Borić M, Kostić 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.
18. Lesin M, Sundov ZD, Jukić 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.
19. **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.
20. Jelčić Kadić A, Borić M, Kostić 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. 4<sup>th</sup> RECOOP TriNet Meeting. Split, Croatia. October 10-13, 2013.
21. Jelčić Kadić A, Borić M, Ferhatović L, Banožić A, Sapunar D, **Puljak L**. Intrathecal inhibition of calcium/calmodulin-dependent protein kinase II in diabetic neuropathy adversely affects pain-related behavior. Oral presentation. 4<sup>th</sup> RECOOP TriNet Meeting. Split, Croatia. October 10-13, 2013.
22. Ferhatović L, Jelčić Kadić A, Borić M, **Puljak L**. Changes of calcium/calmodulin-dependent protein kinase II expression in dorsal root ganglia during maturation in long-term diabetes. Poster presentation. Scandinavian Association for the Study of Pain. Helsinki, Finland. June 13-15, 2013.
23. Božić J, Ticinović Kurir T, Novak A, Vučemilović H, Puljak L, **Puljak L**, Markotić A. Comparison of ganglioside GM3 expression in muscles of rat models with diabetes type 1 and 2. The 5<sup>th</sup> Croatian Diabetology Congress. Pula, Croatia. May 15-19, 2013.
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30. Rezić Muzinić N, Čikes Čulić V, Radan M, Mastelić A, Delić H, Ferhatović L, **Puljak L**, Markotić 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.

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32. Ozegic O, Malekovic G, Mestrovic T, **Puljak L**, Klinar I. Physicians' attitudes about patient self-education on Internet and interpersonal communication. 2<sup>nd</sup> Croatian Congress on Prevention and Rehabilitation in Psychiatry. Zagreb, Croatia. February 9-11, 2012.
33. Ferhatovic L, Kostic S, Banozic A, Sapunar D, **Puljak L**. A role of calcium/calmodulin-dependent protein kinase II in diabetic neuropathy. 7th Congress of the European Federation of IASP Chapters. Hamburg, Germany. September 21-24, 2011.
34. Mihalj M, Grizelj I, Drenjancevic I, **Puljak L**, Azman J, Vcev A, Mihalj H. Self perceived preparedness of senior medical students in Croatia for standalone medical practice. AMEE Annual Conference. Abstract number: 8901. Vienna, Austria. August 27-31, 2011.
35. Banozic A, Dezutter J, Jukic M, **Puljak L**, Sapunar D. Influence of social exclusion on pain perception and empathy in chronic pain patients. The 12th European Congress of Psychology. Istanbul, Turkey, July 4-8, 2011.
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38. Sapunar D, Vukojevic K, Kostic S, **Puljak L**. Attenuation of pain-related behavior evoked by injury through blockade of neuropeptide Y Y2 receptor. Poster # 35. 2nd Croatian congress on pain treatment. Osijek, Croatia. October 7-10, 2010.
39. Maric A, Banozic A, Cosic A, Kraljevic S, Sapunar D, **Puljak L**. Influence of formal medical education on pain catastrophizing. Poster # 26. 2nd Croatian congress on pain treatment. Osijek, Croatia. October 7-10, 2010.
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41. 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.
42. Kraljevic S, Banozic A, **Puljak L**. Acupuncture therapy in Pain Clinic of University Hospital Split 2006-2009. Poster # 19. 2nd Croatian congress on pain treatment. Osijek, Croatia. October 7-10, 2010.
43. Sapunar D, Kostic S, Banozic A, **Puljak L**. Is there a pain research in Croatia? Plenary lecture. 2nd Croatian congress on pain treatment. Osijek, Croatia. October 7-10, 2010.
44. Sapunar D, Vukojevic K, Kostic S, **Puljak L**. Attenuation of injury evoked pain-related behavior by blockade of neuropeptide Y Y2 receptor. Presentation number: PH180. 13th World Congress on Pain. Montreal, Canada, August 29-September 2, 2010.
45. 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.
46. Maric A, Banozic A, Kraljevic S, Cosic A, Sapunar D, **Puljak L**. Influence of formal medical education on pain catastrophizing. Presentation number: PH446. 13th World Congress on Pain. Montreal, Canada, August 29-September 2, 2010.
47. Choudhury M, Qadri I, Rahman M, Knotts TA, Janssen RC, Iwahashi M, **Puljak L**, Simon FR, Kilic G, Fitz GJ, Friedman JE. Hepatitis C virus (HCV) associated steatosis and increased gluconeogenic gene expression in Huh8 cells: essential role of NS5A and C/EBPa. Experimental Biology, Anaheim, CA, USA. April 24-28, 2010. (Abstract FASEB J, 2010;24:lb115)
48. 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.
49. 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.

50. Dzibur 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.
51. 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.
52. 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.
53. **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.
54. **Puljak L**, Lovric Kojundzic S, Hogan Q, Sapunar D. Lidocaine injection into the Sprague-Dawley rat dorsal root ganglion causes neuroinflammation and pain-related behavior. EFIC - European Pain School. Siena, Italy, June 15-22, 2008.
55. **Puljak L**, Lovric Kojundzic S, Sapunar D. Behavioral and morphological changes in rat DRG following lidocaine injection. 5th Croatian Congress of Pharmacology and 2nd Croatian Congress of Physiological Society. Osijek, September 2007. Periodicum Biologorum, Vol. 109, Suppl 2, 2007.
56. **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.
57. **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.
58. Emmett DS, Feranchak A, Kilic G, **Puljak L**, Miller B, McWilliams B, Doctor RB, Fitz JG. Identification and characterization of a novel population of P2X4 receptors in hepatocytes. Hepatology, Vol. 42, No 4, Suppl. 1, 2005.
59. **Puljak L**, Parameswara V, Esser V, Gordan K. Metformin reverses fatty liver disease through stimulation of vesicular exocytosis. A role for AMPK. Postdoctoral Poster Session, UTSW at Dallas, TX, USA. December 2005.
60. **Puljak L**, Franičević D. Raising awareness on organ donation and donor card. Third Croatian Surgical Congress. Pula, May 2002.
61. 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.
- Puljak L. Coming home. *Nature* 2006 Sep 14;443(7108):242.
- Puljak L. A proper doctor knows everything. *British Medical Journal* 2006 Jul 1;333:248.
- Puljak L. Scientific art for beginners. *British Medical Journal* 2006 Jul 1;333:43.
- 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**

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  
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**

2013 - Translation project manager, Cochrane Croatia  
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)