CATHOLIC UNIVERSITY OF CROATIA
ZAGREB
UNIVERSITAS STUDIORUM CATHOLICA CROATICA ZAGRABIA

CURRICULUM VITAE

General information

Name	Damir Sapunar
Research position	
Research and teaching position	Full Professor
Academic discipline	Biomedicine and Health
Scientific field	Basic medical sciences
Branch of science	
Area(s) of research and interest	Peripheral mechanisms of neuropathic pain
Researcher ID number	183005
Date and place of birth	27. 5. 1962., Split
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Research and teaching activities

Teaching activities

University of Split School of Medicine	1992. today	The Structure and Development of the Human body, Histology and Embryology, The Puzzle of Pain
Catholic University of Croatia	2018	

Research activities

Participation in scientific projects

- Participation in the project "Formation of the head, axial and urogenital structures in the human embryos" supported by the Croatian Ministry of Science No. 3-01-069 (1992-1997).
- Main coordinator of ALIS project CRO19 "Programmed cell death in the axial structures of the human embryo" (1995-1998).
- Participation in the project "Development of the human central nervous system and spinal cord" No. 108194 (1997-2002).
- Main coordinator of CARNet project “Virtual Medical School".
- Main coordinator "Virtual Medical School" supported by Croatian Ministry of Science and Technology No. 00-100.
- Principal Investigator “Morphological diversity of the dying cells during human development” supported by the Croatian Ministry of Science and Technology No. 108510 (2002-2006).
- Principal Investigator "Functional analysis of injured primary afferent neurons" supported by the Croatian Ministry of Science, Education and Sports No. 216-2160528-0522 (2007-2010).
- Project Coordinator, Unity Through Knowledge 2A (UKF) (2011).
- Participation in "Initiative for Improving Pain Education Grant" (IASP) (2009–2010).

- Main Coordinator "Nerve Injury and Neuropathic Pain" Program Project Grant supported by the Croatian Ministry of Science, Education and Sports No. 2160528 (2007-2013).
- Consultant in "DRG engraftment of transduced mesenchymal stem cells to treat neuropathic pain" NIH grant 5R01NS079626-02.
- Participation in "Molecular Memory in Diabetic Neuropathy" (HRZZ) (2010-2013).
- Participation in "Auditory neuro-electronic interfaces" BICRO PoC (2012-today).
- Principal investigator in "Treating neuropathic pain with dorsal root ganglion stimulation – NeuroMod" HRZZ (2014-).

Bibliography

Znanstveni radovi u časopisima (kronološki):

1. Saraga-Babić M, Stefanović V, Sapunar D. Relationship between embryonic nothocord and chordoma. Med An 1992; 18: 205-212. (*Chemical Abstracts*)
2. Pintarić I, Sapunar D, Gudelj I, Anđelinović Š, Kuzmić I. Remember they are humans. Croat Med J 1992; 33 Suppl 2: 34-35. (*EMBASE*)
3. Kraljević LJ, Boshi S, Sapunar D. Contribution to the health services in Split. Croat Med J 1993; 34: 153-162. (*EMBASE*)
4. Sapunar D, Saraga-Babić M, Peruzović M, Marušić M. The effect of hyperbaric oxygen on rat embryos. Biol Neonate 1993; 63: 360-369. *(CC)*
5. Saraga-Babić M, Sapunar D, Stefanović V. Histological features of axial structures during embryonic and fetal stages of human craniorachischisis. Acta Neuropath 1993; 86: 289-294. *(CC)*
6. Vrdoljak E, Miše K, Sapunar D, Rozga A, Marušić M. Survival Analysis of Untreated Patients With Non-Small Cell Lung Cancer. Chest 1994; 106: 1797-1800. *(CC)*
7. Sapunar D, Bego K, Pintarić I, Markotić A, Radić S. Effect of maternal oxygen inhalation on the experimentally produced uteroplacental insufficiency. Period Biol 1994; 96: 47-48. *(Conference paper cited in Scopus)*
8. Radonić V, Barić D, Petričević A, Kovačević H, Sapunar D, Glavina-Durdov M. War Injuries of the Crural Arteries. Br J Surg 1995; 82: 777-783. *(CC)*
9. Sapunar D. Presentation Software in Teaching Practice: Do you Need Any Help Mr. Chips? MD Comp 1995; 12: 306-310. *(CC)*
10. Saraga-Babić M, Sapunar D, Wartiovaara J. Variations in the Formation of the Human Caudal Spinal Cord. J Brain Res 1995; 36: 341-347. *(SCIE)*
11. Petričević A, Bačić A, Ilić Nenad, Giunio L, Matić D, Sapunar D. Tupe ozljede srca i dijagnostičke teškoće. Liječ Vjesn 1995; 117: 227-231. *(Medline)*
12. Petričević A, Radonić V, Ilić N, Petričević M, Zelić Z, Ferenca J, Sapunar D. Surgical experience at the Rama war hospital in Bosnia and Herzegovina. Isr J Med Sci 1995; 31: 630-634. *(CC)*
13. Saraga-Babić M, Stefanović V, Lehtonen E, Sapunar D, Saraga M, Wartiovaara J. Neurulation mechanisms in the human development. Croat Med J 1996; 37: 7-14. *(EMBASE)*
14. Saraga-Babić M, Krolo M, Sapunar D, Terzić J, Biočić M. Differences in origin and fate between the cranial and caudal spinal cord during normal and disturbed human development. Acta Neuropathol 1996; 91: 194-199. *(CC)*
15. Sapunar D, Vilović K, Pintarić I, Vrdoljak E, Petri N, Saraga-Babić M. Effect of Maternal Hyperoxigenation on the Experimentally Produced Uteroplacental Insufficiency in Rat. Reprod Fertil Dev 1996; 8: 379-381. *(CC)*

16. Marušić M, Sapunar D. Obrazloženje potrebe osnivanja Medicinskog fakulteta Sveučilišta u Splitu. Liječ Vjesn 1996; 118: 133-138. *(Medline)*
17. Sapunar D, Sapunar-Cambj L. Internet u medicini. Liječ Vjesn 1996; 118: 165-171. *(Medline)*
18. Sapunar D. Trenutno stanje biomedicinske znanosti u Splitu. Med An 1996; 20: 59-60.
19. Janković S, Sapunar D, Jurišić Z, Majić V. Medical support to a nonprofessional brigade during the Croatian Operation Storm. Milit Med 1997; 162: 37-40. *(CC)*
20. Radonić V, Barić D, Giunio L, Bill B, Kovačević H, Sapunar D. War injuries of the femoral artery and vein: a report on 67 cases. Cardiovasc Surg 1997; 5: 641-647. *(Medline)*
21. Radonić V, Budimir D, Bradarić N, Luksić B, Sapunar D. Envenomation by the Horned viper - Vipera ammodytes Linnaeus. Milit Med 1997; 162: 179-182. *(CC)*
22. Janković S, Jurišić Z, Majić V, Mulić R, Bradarić N, Sapunar D, Smoljanović M, Gotovac P. Organization and implementation of the preventive medicine measures on the southeren Croatian battleground: the experience of the home defense brigade. Internatonal Review of the Armed Forces Medical Services 1998; 71: 44-49.
23. Krolo M. Vilovic K. Sapunar D. Vrdoljak E. Saraga-Babic M. Fibronectin expression in the developing human spinal cord, nerves, and ganglia. Croat Med J 1998; 39(4):386-91. *(Medline)*
24. Janković S, Žuljan I, Sapunar D, Buća A, Pleština-Borjan I. Clinical and Radiological Management of Wartime Eye and Orbit Injuries. Milit Med 1998; 163: 423-426. *(CC)*
25. Radonić V, Barić D, Giunio L, Buća A, Sapunar D, Marović A. Surgical treatment of kinked carotid artery. J Cardiovasc Surg 1998; 39: 557-563. *(CC)*
26. Sapunar D. Computing for the next millennium. Croat Med J 1999; 40: 319-320. *(CC)*
27. Sapunar D, Marušić M. The curriculum plan for the Split University Medical School--a modern concept for a new school. Liječ Vjesn 1999; 121: 208-212. *(Medline)*
28. Vrdoljak E, Mise K, Sapunar D, Rozga A, Marusic M. Staging in untreated patients with small cell lung cancer. *Neoplasma. 2001; 48(2):154-6, 2001. (CC)*
29. Sapunar D. The Medical School of Split - overview of its activity from independence until today. Liječ Vjesn 2001; 123: 221-230. *(Medline)*
30. Sapunar D, Vilović K, England M, Saraga-Babić M. Morphological diversity of dying cells during regression of the human tail. Ann Anat 2001; 183: 217-222. *(CC)*
31. Vilović K, Sapunar D, Ilijić E, Mimica MD, England MA, Saraga-Babić M. Morphological characteristic of dying cells in axial structures of developing human embryos. Cell Tissues Organs 2001; 169(4): 347-54. *(CC)*
32. Sarantopoulos C, McCallum B, Sapunar D, Kwok WM, Hogan Q. ATP-sensitive potassium channels in rat primary afferent neurons: the effect of neuropathic injury and gabapentin. Neurosci Lett 2003;343(3):185-9.
33. Hogan Q, Sapunar D, Modric-Jednacak K, McCallum JB. Detection of neuropathic pain in a rat model of peripheral nerve injury. Anesthesiology 2004;101(2):476-87.
34. Vilovic K, Ilijic E, Glamoclija V, Kolic K, Bocina I, Sapunar D. Cell death in developing human spinal cord. Anat Embryol 2006;211(1):1-9.
35. Glamoclija V, Vilovic K, Saraga-Babic M, Baranovic A, Sapunar D. Apoptosis and active caspase-3 expression in human granulosa cells. Fertil Steril 2005;83(2):426-31.

36. Sapunar D, Ljubković M, Lirk P, McCallum JB, Hogan QH. Distinct membrane effects of spinal nerve ligation on injured and adjacent dorsal root ganglion neurons. Anesthesiology 2005;103:360-76.
37. Sapunar D, Modric-Jednacak K, Grkovic I, Michalkiewicz M, Hogan Q. Effect of peripheral axotomy on pain-related behavior and dorsal root ganglion neurons excitability in NPY transgenic rats. Brain Res 2005;1063(1):48-58.
38. Ivanisevic R, Sapunar D. Multiple authorship in a small medical journal - A case study: Croatian Medical Journal. JASIST 2006;57(8):1073-1078. *(CC)*
39. Carev D, Krnić D, Saraga M, Sapunar D, Saraga-Babić M. Role of mitotic, pro-apoptotic and antiapoptotic factors in human mesonephric and metanephric development. Pediatric Nephrology 2006;21:627-36.
40. Vilovic K, Jurcevic S, Ivanisevic R, Sapunar D. Clincal skills teaching – Survey at medical school in Split and Zagreb. Medicina 2006;42:26-30.
41. McCallum JB, Kwok WM, Sapunar D, Fuchs A, Hogan Q. Painful peripheral nerve injury decreases calcium current in axotomized sensory neurons. Anesthesiology 2006 Jul;105(1):160-8.
42. Znaor L, Lovric S, Hogan Q, Sapunar, D. Association of neural inflammation with hyperalgesia following spinal nerve ligation, Croat Med J, 48 (2007) 35-42.
43. Vukojević K, Lovrić-Kojundzić S, Sapunar D. Hyperalgesia-type response reveals no difference in pain related behavior between Wistar and Sprague-Dawley rats. Bosn J Basic Med Sci 2007 May;7(2):121-6.
44. Vukojević K, Carev D, Sapunar D, Popovic D, Saraga-Babic M. Developmental patterns of caspase-3, bax and bcl-2 proteins expression in the human spinal ganglia. J Mol Histol 2008; 39: 339-349.
45. Puljak L, Brnjas Kraljevic J, Barac Latas Vesna, Sapunar D. Demographics and motives of medical school applicants in Croatia. Med Teach. 2007 Oct;29(8):e227-34. *(CC)*.
46. Simunovic VJ, Petkovic M, Miscia S, Petrovic M, Stallaerts R, Busselmaier W, Hebgen M, Horsch A, Horsch S, Krzan M, Svab I, Ribaric S, Zeleznik D, Santa Barbara J, Arapovic D, Bozic T, Duzel G, Ljubic F, Ostojic M, Skocibusic S, Spasojevic N, Zalihic A, Radic R, Mehic B, Nakas-Icindic E, Kordic D, Sapunar D, Tomic S, Ljuca F, Pranjic N, Seleskovic H, Tahirovic H, Tihic N, Bosnjak ZJ, Gamulin S, Kuzman I, Mandic Z, Kamberovic S, Hiljadnikova M, Tanović H. Short history of just mentorship and support. Croat Med J. 2008 Feb;49(1):18-21.
47. Puljak L, Sapunar D. Turning Croatian Science Into Policy. Croat Med J 2008; 49;155-7. *(CC)*.
48. Puljak L, Vukojevic K, Lovric Kojundzic S, Sapunar D. Assessing clinical and life sciences performance of research institutions in Split, Croatia: 2000-2006. Croat Med J 2008; 49;164-74. *(CC)*.
49. Puljak L, Lovric Kojundzic S, Sapunar D. Gender and academic medicine: a good pipeline of women graduates is not advancing. Teach Learn Med. 2008; 20(3):273-8. *(CC)*.
50. Puizina-Ivić N, Sapunar D, Marasović D, Mirić L. An overview of Bcl-2 expression in histopathological variants of basal cell carcinoma, squamous cell carcinoma, actinic keratosis and seborrheic keratosis. Coll Antropol. 2008 Oct;32 Suppl 2:61-5.

51. Lirk P, Poroli M, Rigaud M, Fuchs A, Fillip P, Huang C-Y, Ljubkovic M, Sapunar D, Hogan Q. Modulators of calcium influx regulate membrane excitability in rat dorsal root ganglion neurons. Anesth Analg. 2008 Aug;107(2):673-85. *(CC)*.
52. Hogan Q, Lirk P, Poroli M, Rigaud M, Fuchs A, Fillip P, Ljubkovic M, Sapunar D. Restoration of calcium influx corrects membrane hyperexcitability in injured rat dorsal root ganglion neurons. Anesth Analg. 2008 Sep;107(3):1045-51. *(CC)*.
53. Lovric Kojundzic S, Dujmovic I, Grkovic I, Sapunar D. Regional differences in epidermal thickness and behavioral response following partial denervation of the rat paw. Int J Neurosci. 2008 Dec;1189(12):1748-62. *(CC)*.
54. Puljak L, Lovric Kojundzic S, Hogan QH, Sapunar D. Targeted delivery of pharmacological agents into rat dorsal root ganglion. J Neurosci Methods. 2009 Mar 15;177(2):397-402.
55. Kosta V, Lovric Kojundzic S, Cambj Sapunar L, Sapunar D. The extent of laminectomy affects pain-related behavior in a rat model of neuropathic pain. Eur J Pain. 2009 Mar:13(3):243-8.
56. Sapunar D, Puljak L. What can rats tell us about neuropathic pain? Critical evaluation of behavioral tests used in rodent pain models. Periodicum biologorum 2009; 111(2): 155-160.
57. Puljak L, Lovric Kojundzic S, Hogan Q, Sapunar D. Lidocaine injection into the rat dorsal root ganglion causes neuroinflammation and pain-related behavior. Anesth Analg. 2009 Mar 108;(3):1021-6.
58. Lovric Kojundzic S, Puljak L, Hogan Q, Sapunar D. Depression of Ca2+/Calmodulin-Dependent Protein Kinase II in Dorsal Root Ganglion Neurons after Spinal Nerve Ligation. J Comp Neurol 2010 Jan1;518(1):64-74.
59. Koceic A, Mestrovic A, Vrdoljak L, Vukojevic K, Barac-Latas V, Drenjancevic-Peric I, Biocina-Lukenda D, Sapunar D, Puljak L. Analysis of the elective curriculum in undergraduate medical education in Croatia. Medical education 2010;44(4):387-95
60. Guić MM, Košta V, Aljinović J, Sapunar D, Grković I. Characterization of spinal afferent neurons projecting to different chambers of the rat heart. Neurosci Lett. 2011 Feb 18;490(1):36-40. Epub 2010 Dec 15.
61. Košta V, Guić MM, Aljinović J, Sapunar D, Grković I. Immunohistochemical characteristics of neurons in nodose ganglia projecting to the different chambers of the rat heart. Auton Neurosci. 2010; 155(1-2):33-8.
62. 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.
63. 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.
64. 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.
65. 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 Mar;19(1):115-9.
66. Puljak L, Sapunar D. Web-based elective courses for medical students: an example in Pain. Pain Medicine. 2011;12(6):854-63.

67. Fischer G, Kostic S, Nakai H, Park F, Sapunar D, Yu H, Hogan Q. Direct injection into the dorsal root ganglion: technical, behavioral, and histological observations. J Neurosci Methods. 2011 Jul 15;199(1):43-55. Epub 2011 Apr 21.
68. Sapunar D, Kostic S, Banozic A, Puljak L. Dorsal root ganglion – a potential new target for neuropathic pain. J Pain Res 2012;5:31-8.
69. Grkovic I, Sapunar D, Marusic M. Ways to address challenges of a modern medical curriculum: living academic medicine at the University of Split School of Medicine. Acta Medica Academica 2012;41(1):7-17.
70. 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 Histochem. 2013 Jun;115(5):496-504.
71. Jukic M, Kardum G, Sapunar D, Puljak L. Treatment of chronic musculoskeletal back pain in a tertiary care pain clinic. Journal of Musculoskeletal Pain 2012; 20(4): 277-283.
72. 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. Scand J Caring Sci. 2013;27(2):303-10.
73. Busic 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 (Phila Pa 1976). 2012 Oct 15;37(22):1874-82.
74. Kostic S, Puljak L, Sapunar D. Attenuation of pain-related behavior evoked by carrageenan injection through blockade of neuropeptide Y Y1 and Y2 receptors. Eur J Pain 2013;17(4):493.
75. Maslov Kruzicevic S, Barisic KJ, Banozic A, Esteban CD, Sapunar D, Puljak L. Predictors of attrition and academic success of medical students: a 30-year retrospective study. PloS ONE 2012;7(6):e39144. Epub 2012 Jun 18.
76. 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. Anesth Analg. 2013; 116(3): 712-21.
77. Gemes G, Koopmeiners A, Rigaud M, Lirk P, Sapunar D, Bangaru ML, Vilceanu D, Garrison SR, Ljubkovic M, Mueller SJ, Stucky CL, Hogan QH. Failure of Action Potential Propagation in Sensory Neurons: Mechanisms and Loss of Afferent Filtering in C-type Units after Painful Nerve Injury. J Physiol 2013;591(Pt4):111-31.
78. 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-malignantpain in individuals aged 65 and older. Pain Medicine 2013;14(2):247-56.
79. 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.
80. Tesija RA, Maslov Kruzicevic S, Banozic A, Esteban CD, Sapunar D, Puljak L. Extension of the course duration and stricter study organization have positive impact on attrition and academic performance of medical students. Croatian Medical Journal. 2013:54:192-7.

81. 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.
82. Jelicic 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. Neurosci Lett. 2013;554:126-30.
83. Yu H, Fischer G, Ferhatovic L, Fan F, Light AR, Weihrauch D, Sapunar D, Nakai H, Park F, Hogan QH. Intraganglionic AAV6 results in efficient and long-term gene transfer to peripheral sensory nervous system in adult rats. PLoS One. 2013;8(4):e61266.
84. Kadic AJ, 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. 2013;256:302-8.
85. Borić M, Jelicic Kadic A, Ferhatović 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.
86. Banozic A, Grkovic I, Puljak L, Sapunar D. Behavioral changes following experimentally induced acute myocardial infarction in rats. Int. Heart J. 2014;55(2):169-77.
87. Kostic S, Pan B, Guo Y, Yu H, Sapunar D, Kwok WM, Hudmon A, Wu HE, Hogan QH. Regulation of voltage-gated Ca(2+) currents by Ca(2+)/calmodulin-dependent protein kinase II in resting sensory neurons. Mol Cell Neurosci 2014;62:10-8.
88. Chen Y, Chalmers I; TTi Editorial Alliance. Testing treatments interactive (TTi): helping to equip the public to promote better research for better health care. J Evid Based Med. 2015 May;8(2):98-102.
89. Fidahić M, Dogan K, Sapunar D, Puljak L. National survey of pain clinics in Croatia: Organization and services. Acta Med Acad. 2015;44(1):18-30.
90. Maxwell LJ, Wells GA, Simon LS, Conaghan PG, Grosskleg S, Scrivens K, Beaton DE, Bingham CO 3rd, Busse JW, Christensen R, Goel N, Jüni P, Kaiser U, Lyddiatt A, Mease PJ, Ostelo RW, Phillips K, Sapunar D, Singh JA, Strand V, Taylor AM, Terwee CB, Tugwell P. Current State of Reporting Pain Outcomes in Cochrane Reviews of Chronic Musculoskeletal Pain Conditions and Considerations for an OMERACT Research Agenda. J Rheumatol. 2015 Sep 15. pii: jrheum.141423. [Epub ahead of print]
91. Jelicic Kadic A, Vucic K, Dosenovic S, Sapunar D, Puljak L. Extracting data from figures with software was faster, with higher interrater reliability than manual extraction. J Clin Epidemiol. 2016 Jun;74:119-23.
92. Sapunar D, Grković I, Lukšić D, Marušić M. Management of teaching processes using the Share point platform: A case study from the University of Split School of Medicine. Acta Med Acad. 2016 May;45(1):34-8.
93. Sapunar D, Grković I, Lukšić D, Marušić M. The business process management software for successful quality management and organization: A case study from the University of Split School of Medicine. Acta Med Acad. 2016 May;45(1):26-33.
94. 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. Clin Ther. 2016 Oct 6;38(10S):e11

	95. Repić T, Madirazza K, Bektur E, Sapunar D. Characterization of dorsal root ganglion neurons cultured on silicon micro-pillar substrates. Sci Rep 2016;23(6):39560. 96. Riado Minguez D, Kowalski M, Vallve Odena M, Longin Pontzen D, Jelicic Kadic A, Jeric M, Dosenovic S, Jakus D, Vrdoljak M, Poklepovic Pericic T, Sapunar D, Puljak L. Methodological and Reporting Quality of Systematic Reviews Published in the Highest Ranking Journals in the Field of Pain. Anesth Analg. 2017 Oct;125(4):1348-1354. 97. Viđak M, Tokalić R, Marušić M, Puljak L, Sapunar D. Improving completion rates of students in biomedical PhD programs: an interventional study. BMC Med Educ. 2017 Aug 25;17(1):144. 98. Vuka, I, Vučić K, Repic K, Ferhatovic Hamzić L, Sapunar D, Puljak L. Electrical Stimulation of Dorsal Root Ganglion in the Context of Pain: A Systematic Review of *In Vitro* and *In Vivo* Animal Model Studies. Neuromodulation 2017 Nov 20. doi: 10.1111/ner.12722 99. Puljak L, Sapunar D. Acceptance of a systematic review as a thesis: survey of biomedical doctoral programs in Europe. Syst Rev. 2017 Dec 12;6(1):253. doi: 10.1186/s13643-017-0653-x
Detailed bibliography	https://www.bib.irb.hr/pretraga/?q=Sapunar%2C+Damir+%28183005%29&by=author Google scholar: https://scholar.google.hr/citations?user=9FAZxpYAAAAJ&hl=hr Scopus: https://www.scopus.com/authid/detail.uri?authorId=6603695793 Orcid: http://orcid.org/0000-0002-8352-4402
Participation in scientific and professional conference(s)	- Sapunar D, Saraga-Babić M, Peruzović M, Marušić M. The effect of hyperbaric oxygen on rat embryos. In: Proceedings of the Seventh International Conference of the International Society of Differentation; 1992 July 19-23; Helsinki, Finland. - Sapunar D, Saraga-Babić M, Peruzović M, Marušić M, Bradamante Ž. The effect of hyperbaric oxygen on rat embryos. In: Proceedings of the Fourth Congress of the Croatian Biologist, Croatian Biological Society; 1993, Zagreb. - Saraga-Babić M, Sapunar D, Stefanović V, Histological characteristic of the central nervous system, notochord and vertebral column in human craniorachishisis. In: Proceedings of the 16th. Alps Adria meeting of anatomists; 1993 May 20-23; Zagreb, Croatia. - Sapunar D, Bego K, Pintarić I, Markotić A, Radić S. Effect of maternal oxygen inhalation on the experimentally produced uteroplacental insufficiency. (extended abstract) Period biol 1994; 1: 47-48. - Sapunar D, Bego K, Pintarić I, Markotić A, Radić S. Effect of maternal oxygen inhalation on the experimentally produced uteroplacental insufficiency. In: Proceedings of the 16th. Alps Adria meeting of anatomists; 1993 May 20-23; Zagreb, Croatia. - Saraga-Babić M, Krolo M, Terzić J, Sapunar D. Neurulation defects during human development. In: Proceedings of the Internationa Congress of the European Developmental Biology Organization; 1995 July 9-13, Toulouse, France. - Saraga-Babić M, Wartiovaara J, Stefanović V, Sapunar D, Lehtonen E. Intermediate filaments and apoptosis during human notochord development. In: Proceedings of the

Third International Duodecim Symposium: Embryonic Induction: Models and Molecules; 1995 June 14-17, Mariehamn, Aland, Finland.

- Sapunar D. Vilović K, England M, Saraga-Babić M. Morphological diversitiy of dying cells during regression of the human tail. In: Proceedings of the 9th International Conference of the International Society of Differentiation; 1996 September 28 -October 2, Pisa, Italy.
- Sapunar D. Sapunar-Cambj L. Internet and Distant Education in Croatia. In: Proceedings of the Third Annual World Congress on the Internet in Medicine; 1998 November 16-19, London, UK.
- Sapunar D. Virtual Medical School. In: Proceedings of the 1st CARNet User Confernce; 1999 September 28-30, Zagreb, Croatia.
- Sapunar D, Kwok WM, Clifford PS, Hogan QH. ATP – sensitive potassium currents in sensory neurons: Influence on excitability. Program No. 51.3.2002 Abstract Viewer / Itinerary Planner. Washington, DC: Society for Neuroscience, 2002. CD-ROM.
- Hogan QH, Modric-Jednacak K, Sapunar D, Michalkiewicz M, Bosnjak Z. sensory responses in transgenic rats with upregulated neuropeptide Y production: effect of peripheral nerve injury. American Pain Society annual meeting, Chicago, 3/2003
- Ljubkovic M, Sapunar D, McCallum J, Bosnjak ZJ, Hogan QH. Divergent membrane effect of spinal nerve ligation on L4 and L5 DRG and emergence of a novel cell category. Program No. 483.7. 2003 Abstract Viewer/Itinerary Planner, Washington, DC: Society for Neuroscience
- Sapunar D, Modric-Jednacak K, Ljubkovic M, Bosnjak Z, Michalkiewicz M, Quinn H. Altered excitability of injured DRG neurons in trangenic rats overexpressing neuropeptide Y. Program No. 483.3. 2003 Abstract Viewer/Itinerary Planner, Washington, DC: Society for Neuroscience
- Hogan Q, Sapunar D, Modric-Jednacak K, Ljubkovic M, McCallum JB. Hyperalgesia response but not withdrawal from tactile stimulation identifies neuropathic pain in rats. Program No. 178.3. 2003 Abstract Viewer/Itinerary Planner, Washington, DC: Society for Neuroscience
- Lirk P, Sapunar D, McCallum J, Hogan QH. Effects of spinal nerve ligation upon repetitive firing ehavior. Program No. 748.8. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.
- Košta V, Lovrić-Kojundzic S, Cambj-Sapunar L, Sapunar D. Spine deformation in rat models of neuropathic pain can cause pain related behavior. NeuPSIG, Second International Congress on Neuropathic Pain, 2007, Berlin
- 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 Biologorium, Vol. 109, Suppl 2, 2007.
- 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.
- Kostic, S; Puljak, L. Sapunar, D. Targeted delivery of NPY into dorsal root ganglion reduces pain-related behavior following intraplantar carrageenan injection. 2.hrvatski kongres iz liječenja boli, Osijek, 7.-9. Listopad 2010.

	- Kostic, S; Puljak, L. Sapunar, D. Targeted delivery of NPY into dorsal root ganglion reduces pain-related behavior following intraplantar carrageenan injection. Presentation number: PW255. 13th World Congress on Pain. Montreal, Canada, August 29-September 2, 2010. - 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. - 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 21-24 September, 2011. - Ferhatovic L, Banozic A, Kostic S, Kurir Ticinovic T, Novak L, Vrdoljak L, Sapunar D, Puljak L. Sensory changes and increase of calcium/calmodulin-dependent protein kinase II in animal models of diabetes type 1 and 2. 14th World Congress on Pain. Milan, Italy. August 27-31, 2012. - 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. - Kostic S, Puljak L, Sapunar D. Acute blood flow alterations within sciatic nerve following its transaction. 14th World Congress on Pain. Milan, Italy. August 27-31, 2012.
Membership in scientific associations	Hrvatsko društvo za medicinsku edukaciju; Hrvatsko društvo za medicinsku informatiku; Međunarodna asocijacija za medicinsku informatiku; International Brain Research Organization; Society for Neuroscience, International Association for the Study of Pain.

CATHOLIC UNIVERSITY OF CROATIA ZAGREB UNIVERSITAS STUDIORUM CATHOLICA CROATICA ZAGRABIA

CURRICULUM VITAE

Education and work experience

Education

Academic degree	MD
Year	1989
Paper title	
Institution	University of Zagreb, School of Medicine
Academic degree	MSc
Year	1992
Paper title	
Institution	University of Zagreb, Faculty of Science
Academic degree	PhD
Year	1996
Paper title	
Institution	University of Zagreb, School of Medicine

Work experience

Period (from–to)	1991. - today
Employer	University of Split School of Medicine
Position	
Field of work	

Professional activities

1992-1995 Editorial council of Science Communication 1991-1997 Editorial council of Croatian Medical Annals
1996-2011 Executive editor – Electronic Publishing - Croatian Medical Journal