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Osobni podatci:

Ime i prezime Katarina Vukojević
Datum rođenja 8. lipanj 1979.
Mjesto rođenja Mostar, Bosna i Hercegovina
Državljanstvo Hrvatsko

Radno iskustvo

10/2014-sada	Medicinski fakultet, Sveučilište u Splitu <i>Predstojnica Zavoda za anatomiju, histologiju i embriologiju</i> <i>Voditeljica laboratorija za rani razvoj čovjeka</i> <i>izv. prof. dr. sc., Anatomija</i>	Split, Hrvatska
07/2013-07/2014	Columbia University College of Physicians and Surgeons, Division of Nephrology <i>Postdoctoral fellow</i>	New York, NY
06/2011 – 09/2014	Medicinski fakultet, Sveučilište u Splitu <i>Docentica, Voditeljica laboratorija za rani razvoj čovjeka</i>	Split, Hrvatska
02/2009 – 06/2011	Medicinski fakultet, Sveučilište u Splitu <i>Viši asistent Histologija i Embriologija</i>	Split, Hrvatska
05/2006 – 02/2009	Medicinski fakultet, Sveučilište u Splitu, <i>Znanstveni novak</i>	Split, Hrvatska
10/2004 – 05/2006	Hitna pomoć, Dom Zdravlja Mostar <i>Doktor medicine</i>	Mostar, BiH

Poslijedoktorsko usavršavanje

2009-2010	Dept of Biochemistry, Medical Genetics and Microbiology Terrence Donnelly Center for Cellular and Biomolecular Research, University of Toronto <i>Training in techniques of molecular genetics</i>	Toronto, Canada
2013-2014	Columbia University College of Physicians and Surgeons, Division of Nephrology <i>Postdoctoral fellow</i>	New York, NY

Obrazovanje

07/1998 – 10/2004	Medicinski fakultet, Sveučilište u Mostaru, <i>Doktor medicine</i>	Mostar, Bosna i Hercegovina
10/2004-03/2008	Medicinski fakultet, Sveučilište u Mostaru, <i>Magistar znanosti</i>	Mostar, Bosna i Hercegovina

Znanstvena društva i članstva

Hrvatska liječnička komora, Hrvatska Laboratorijska Udruga, Hrvatsko Mikroskopijsko Društvo, Udruga «Znanost», “Hrvatsko društvo za humanu genetiku” hrvatskog liječničkog zbora

Nagrade i priznanja

Nagrada za najbolji poster:

09/2015 48th European pediatric nephrology congress, Brussels, Belgium

Pozvana predavanje:

12/2016 4th Days of Human genetics Prof. dr. sc. Ljiljana Zergollern-Čupak

11/2015 6th Croatian congress of Human genetics

08/2015 12th international congress of Microscopy, Eger, Hungary

05/2015 12th International Symposium of Pediatric Surgery and Urology, Mostar, Bosnia and Herzegovina.

07/2014 Postgraduate study program, University of Konstanz, Faculty of Sciences, Konstanz, Germany

05/2013 10th International Symposium of Pediatric Surgery and Urology, Mostar, Bosnia and Herzegovina.

09/2008 RECOOP HST – Bridges in life sciences, Zagreb Croatia

Elitni program stipendija:

07/2013 – 07/2014 *American Association of University Woman (AAUW) “CAKUT grant”.*

11/2009 – 05/2010 *Canadian Institute of Health (CIHR) “Catalyst Grant: Invention and High-Risk, High-Benefit Research”.*

Organizacijske vještine i kompetencije

Sudjelovanje u organizaciji 2. kongresa kirurga Bosne i Hercegovine s međunarodnim sudjelovanjem, Sudjelovanje u organizaciji 2. kongresa neurologa Bosne i Hercegovine s međunarodni sudjelovanjem, pisanje izvješća o samoevaluaciji Medicinskog Fakulteta Sveučilišta u Mostaru, Povjerenik za nastavu za 1. godinu medicine i stomatologije MF u Splitu, Povjerenstvo za kvalitetu nastave MF u Mostaru, iskustvo u pisanju međunarodnih projekata. Recenzent međunarodnih časopisa (Histology and Histopathology, Journal of Pain Research, European Journal of the Oral sciences, International journal of Nephrology and Renovascular Disease, Drug Design, Development and Therapy, Cell Health and Cytoskeleton, Behavioral and Brain Function, African Journal of Pharmacy and Pharmacology, Pain Medicine, Archives of Oral Biology, BBA - Molecular Cell Research, GENE, Current Topics in Medicinal Chemistry).

Znanstveno istraživački projekti

Sudjelovanje u projektu: „Čimbenici rane diferencijacije i karcinogeneze jajnika“ (2006/2007) voditelj projekta: prof. dr. Snježana Tomić.

Sudjelovanje u projektu: “Razvoj i bolesti aksijalnih struktura u čovjeka” (MZOŠ No. 0216002. (2006-

2007) voditelj projekta: prof dr. Mirna Saraga-Babić.

Sudjelovanje u projektu "Genska ekspresija u ranom razvoju čovjeka" (MZOŠ No. 021-2160528-0507. 2007-i traje) voditelj projekta: prof. dr. Mirna Saraga-Babić.

Sudjelovanje u projektu: "Razvoj perifernog živčanog sustava u čovjeka (Ministarstvo nauke i obrazovanja Federacije Bosne i Hercegovine), voditelj projekta: dr. sc. Helena Škobić. Sudjelovanje u projektu: "Biomarkeri normalnog i abnormalnog razvoja i pridruženi multifaktorijalni poremećaji" (MZOŠ, hrvatsko-slovenski projekt, 2008- i traje) voditelj projekta: prof. dr. Mirna Saraga-Babić.

Sudjelovanje u TEMPUS projektu: "EU oriented self-evaluation report procedures for BIH Universities (EUSER-BIH)" voditelj projekta: prof. dr. Andres Goavert

Voditeljica projekata FMON-a: "Izražaj ZAP-70 i proliferativna aktivnost leukemijskih stanica u B-kroničnoj limfocitnoj leukemiji", "Uloga Ki-67, alfa-tubulina i Oct-4 u ranom razvoju kraljezničke moždine čovjeka"

Sudjelovanje u projektu NZZ-a: "MEMODIN", voditelj prof. dr. sc. Livia Puljak

Sudjelovanje u projektu R01 DK103184-01 National Institute of Health, USA "Genetics of Congenital Obstructive Uropathy", voditelj Dr. Simone Sanna-Cherchi, 2014-traje

Voditeljica projekta HRZZ-a: "Karakterizacija kandidat gena za kongenitalne anomalije bubrega i urotrakta (CAKUT) tijekom razvoja u miša i čovjeka"

Nastavne aktivnosti

-Diplomska nastava na studijima medicine na hrvatskom i engleskom jeziku iz predmeta Anatomija, Histologija i embriologija na MF Sveučilišta u Splitu i Mostaru

-Izborni predmet- Anomalije glave i vrata, Razvoj i prirodene bolesti bubrega, Dijete iz „epruvete“ na MF u Splitu

-E-izborni predmeti: Anomalije glave i vrata; Empatija i bol - društveni i humanistički pristup; Cochrane knjižnica i bol (MF Sveučilišta u Splitu)

-Postdiplomska nastava- Čimbenici ranog razvoja u čovjeka, Razvoj i prirodene bolesti bubrega na MF Sveučilišta u Mostaru, Razvoj spinalnih ganglija čovjeka na MF Sveučilišta u Splitu

Mentorstva magistarskih i doktorskih radnji

Magistarski radovi:

1. Josip Novaković: Uloga Ki-67, bcl-2 i kaspase-3 čimbenika u razvoju gornje čeljusti čovjeka. Medicinski fakultet Mostar, 2009.
2. Anka Ćorić: Povezanost anksioznosti djece I njihovih roditelja od stomatološkog zahvata s indeksom oralnog zdravlja. Medicinski fakultet Mostar, 2011.

Doktorske disertacije:

1. Josip Novaković: Uloga proliferacije, apoptoze i stanične diferencijacije u spajanju primarnog I sekundarnog nepca čovjeka. Medicinski fakultet Mostar, 2012.
 2. Tanja Vukušić-Pušić: Uloga proliferacije i apoptoze u razvoju humanih gonada. Medicinski fakultet Split, 2013.
 3. Ana Poljičanin: Uloga pro-apoptotskih i anti-apoptotskih čimbenika u jajnicima I seroznim karcinomima jajnika. Medicinski fakultet Split, 2013.
 4. Ana Čarić: Apoptotski putevi u pokrovnom epitelu jajnika tijekom normalnog embrionalnog razvoja i zloćudne preobrazbe: bliski odnos razvojne plastičnosti i novotvorine. Medicinski fakultet Split, 2014.
 5. Tanja Janjić Zovko: Uloga Ki-67, alfa-tubulina i Oct-4 u ranom razvoju kraljezničke moždine čovjeka. Medicinski fakultet Mostar, 2014.
 6. Anita Matas: Uloga proliferacijskih I diferencijacijskim čimbenika u ranom razvoju ljudskog oka. Medicinski fakultet Split, 2017.
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1. Agnic I, Filipovic N, Vukojevic K, Saraga-Babic M, Vrdoljak M, Grkovic I. Effects of isoflurane postconditioning on chronic phase of ischemia-reperfusion heart injury in rats. *Cardiovasc Pathol.* 2015;24(2):94-101.
2. Agnic I, Vukojevic K, Saraga-Babic M, Filipovic N, Grkovic I. Isoflurane post-conditioning stimulates the proliferative phase of myocardial recovery in an ischemia-reperfusion model of heart injury in rats. *Histol Histopathol.* 2014;29(1):89-99.
3. Aljinovic J, Vukojevic K, Kosta V, Guic MM, Saraga-Babic M, Grkovic I. Histological differences in healing following experimental transmural infarction in rats. *Histol Histopathol.* 2010;25(12):1507-17.
4. Bakovic M, Juric Paic M, Zdrilic E, Vukojevic K, Ferhatovic L, Marin A, et al. Changes in cardiac innervation during maturation in long-term diabetes. *Exp Gerontol.* 2013;48(12):1473-8.
5. Bazina M, Glavina-Durdov M, Scukanec-Spoljar M, Bazina A, Vukojevic K, Ljutic D, et al. Epidemiology of renal disease in children in the region of southern Croatia: a 10-year review of regional renal biopsy databases. *Med Sci Monit.* 2007;13(4):CR172-6.
6. Bazina M, Vukojevic K, Roje D, Saraga-Babic M. Influence of growth and transcriptional factors, and signaling molecules on early human pituitary development. *J Mol Histol.* 2009;40(4):277-86.
7. Becic T, Bilan K, Mardesic S, Vukojevic K, Saraga-Babic M. Spatiotemporal distribution of proliferation, proapoptotic and antiapoptotic factors in the early human limb development. *Acta Histochem.* 2016;118(5):527-36.
8. Bevanda M, Orsolich N, Basic I, Vukojevic K, Benkovic V, Horvat Knezevic A, et al. Prevention of peritoneal carcinomatosis in mice with combination hyperthermal intraperitoneal chemotherapy and IL-2. *Int J Hyperthermia.* 2009;25(2):132-40.
9. Bosnjak LP, L.; Vukojevic, K.; Marusic, A. Analysis of a number and type of publications that editors publish in their own journals: case study of scholarly journals in Croatia. *Scientometrics.* 2011;86:227-33.
10. Brakus SM, Govorko DK, Vukojevic K, Jakus IA, Carev D, Petricevic J, et al. Apoptotic and anti-apoptotic factors in early human mandible development. *Eur J Oral Sci.* 2010;118(6):537-46.
11. Caric A, Poljicanin A, Tomic S, Vilovic K, Saraga-Babic M, Vukojevic K. Apoptotic pathways in ovarian surface epithelium of human embryos during embryogenesis and carcinogenesis: close relationship of developmental plasticity and neoplasm. *Acta Histochem.* 2014;116(2):304-11.
12. Cavar I, Kelava T, Vukojevic K, Saraga-Babic M, Culo F. The role of prostaglandin E2 in acute acetaminophen hepatotoxicity in mice. *Histol Histopathol.* 2010;25(7):819-30.
13. 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. *J Pain Res.* 2014;7:515-21.
14. Cubela M, Soljic V, Kero D, Vukojevic K, Govorko DK, Saraga-Babic M. Comparison of proliferation, apoptosis and expression of syndecan-1 and alpha-SMA in edentulous ridge oral mucosa of successful and early failed submerged dental implants--An immunohistochemical study. *Arch Oral Biol.* 2016;66:155-64.
15. Filipovic N, Vukojevic K, Bocina I, Saraga M, Durdov MG, Kablar B, et al. Immunohistochemical and electronmicroscopic features of mesenchymal-to-epithelial transition in human developing, postnatal and nephrotic podocytes. *Histochem Cell Biol.* 2016.
16. Jeric M, Vukojevic K, Vuica A, Filipovic N. Diabetes mellitus influences the expression of NPY and VEGF in neurons of rat trigeminal ganglion. *Neuropeptides.* 2016.

17. Kalibovic Govorko D, Becic T, Vukojevic K, Mardesic-Brakus S, Biocina-Lukenda D, Saraga-Babic M. Spatial and temporal distribution of Ki-67 proliferation marker, Bcl-2 and Bax proteins in the developing human tooth. *Arch Oral Biol.* 2010;55(12):1007-16.
18. Kelava T, Cavar I, Vukojevic K, Saraga-Babic M, Culo F. The effect of glucagon and cyclic adenosine monophosphate on acute liver damage induced by acetaminophen. *Histol Histopathol.* 2013;28(2):245-55.
19. Kero D, Cigic L, Medvedec Mikic I, Galic T, Cubela M, Vukojevic K, et al. Involvement of IGF-2, IGF-1R, IGF-2R and PTEN in development of human tooth germ - an immunohistochemical study. *Organogenesis.* 2016;12(3):152-67.
20. Kero D, Kalibovic Govorko D, Medvedec Mikic I, Vukojevic K, Cigic L, Saraga-Babic M. Analysis of expression patterns of IGF-1, caspase-3 and HSP-70 in developing human tooth germs. *Arch Oral Biol.* 2015;60(10):1533-44.
21. Kero D, Kalibovic Govorko D, Vukojevic K, Cubela M, Soljic V, Saraga-Babic M. Expression of cytokeratin 8, vimentin, syndecan-1 and Ki-67 during human tooth development. *J Mol Histol.* 2014;45(6):627-40.
22. Kero D, Novakovic J, Vukojevic K, Petricevic J, Kalibovic Govorko D, Biocina-Lukenda D, et al. Expression of Ki-67, Oct-4, gamma-tubulin and alpha-tubulin in human tooth development. *Arch Oral Biol.* 2014;59(11):1119-29.
23. Koceic A, Mestrovic A, Vrdoljak L, Vukojevic K, Barac-Latas V, Drenjancevic-Peric I, et al. Analysis of the elective curriculum in undergraduate medical education in Croatia. *Med Educ.* 2010;44(4):387-95.
24. Kraljevic D, Vukojevic K, Karan D, Rajic B, Todorovic J, Miskovic J, et al. Proliferation, apoptosis and expression of matrix metalloproteinase-9 in human fetal lung. *Acta Histochem.* 2015;117(4-5):444-50.
25. Lopez-Rivera E, Liu YP, Verbitsky M, Anderson BR, Capone VP, Otto EA, et al. Genetic Drivers of Kidney Defects in the DiGeorge Syndrome. *N Engl J Med.* 2017;376(8):742-54.
26. Martinovic V, Vukusic Pusic T, Restovic I, Bocina I, Filipovic N, Saraga-Babic M, et al. Expression of Epithelial and Mesenchymal Differentiation Markers in the Early Human Gonadal Development. *Anat Rec (Hoboken).* 2016.
27. Matas A, Filipovic N, Znaor L, Mardesic S, Saraga-Babic M, Vukojevic K. Interplay of proliferation and differentiation factors is revealed in the early human eye development. *Graefes Arch Clin Exp Ophthalmol.* 2015;253(12):2187-201.
28. Miskovic J, Brekalo Z, Vukojevic K, Miskovic HR, Kraljevic D, Todorovic J, et al. Co-expression of TTF-1 and neuroendocrine markers in the human fetal lung and pulmonary neuroendocrine tumors. *Acta Histochem.* 2015;117(4-5):451-9.
29. Novak K, Miric D, Jurin A, Vukojevic K, Aljinovic J, Caric A, et al. Awareness and use of evidence-based medicine databases and Cochrane Library among physicians in Croatia. *Croat Med J.* 2010;51(2):157-64.
30. Novakovic J, Mardesic-Brakus S, Vukojevic K, Saraga-Babic M. Developmental patterns of Ki-67, bcl-2 and caspase-3 proteins expression in the human upper jaw. *Acta Histochem.* 2011;113(5):519-26.
31. Ostojic M, Soljic V, Vukojevic K, Dapic T. Immunohistochemical characterization of early and advanced knee osteoarthritis by NF-kappaB and iNOS expression. *J Orthop Res.* 2016.
32. Petricevic J, Forempoher G, Ostojic L, Mardesic-Brakus S, Andjelinovic S, Vukojevic K, et al. Expression of nestin, mesothelin and epithelial membrane antigen (EMA) in developing and adult human meninges and meningiomas. *Acta Histochem.* 2011;113(7):703-11.
33. Petricevic J, Punda H, Brakus SM, Vukojevic K, Govorko DK, Alfirevic D, et al. Immunolocalization of nestin, mesothelin and epithelial membrane antigen (EMA) in developing and adult serous membranes and mesotheliomas. *Acta Histochem.* 2012;114(5):469-79.
34. Poljicanin A, Filipovic N, Vukusic Pusic T, Soljic V, Caric A, Saraga-Babic M, et al. Expression pattern of RAGE and IGF-1 in the human fetal ovary and ovarian serous carcinoma. *Acta Histochem.* 2015;117(4-5):468-76.

35. Poljicanin A, Vukusic Pusic T, Vukojevic K, Caric A, Vilovic K, Tomic S, et al. The expression patterns of pro-apoptotic and anti-apoptotic factors in human fetal and adult ovary. *Acta Histochem.* 2013;115(6):533-40.
36. 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(2):164-74.
37. Rancic A, Filipovic N, Marin Lovric J, Mardesic S, Saraga-Babic M, Vukojevic K. Neuronal differentiation in the early human retinogenesis. *Acta Histochem.* 2017.
38. Restovic I, Vukojevic K, Paladin A, Saraga-Babic M, Bocina I. Immunohistochemical Studies of Cytoskeletal and Extracellular Matrix Components in Dogfish *Scyliorhinus canicula* L. Notochordal Cells. *Anat Rec (Hoboken).* 2015;298(10):1700-9.
39. Sanna-Cherchi S, Sampogna RV, Papeta N, Burgess KE, Nees SN, Perry BJ, et al. Mutations in *DSTYK* and dominant urinary tract malformations. *N Engl J Med.* 2013;369(7):621-9.
40. 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(5):1173-81.
41. Saraga M, Vukojevic K, Krzelj V, Puretic Z, Bocina I, Durdov MG, et al. Mechanism of cystogenesis in nephrotic kidneys: a histopathological study. *BMC Nephrol.* 2014;15:3.
42. Saraga-Babic M, Bazina M, Vukojevic K, Bocina I, Stefanovic V. Involvement of pro-apoptotic and anti-apoptotic factors in the early development of the human pituitary gland. *Histol Histopathol.* 2008;23(10):1259-68.
43. Saraga-Babic M, Vukojevic K, Bocina I, Drnasin K, Saraga M. Ciliogenesis in normal human kidney development and post-natal life. *Pediatr Nephrol.* 2012;27(1):55-63.
44. Saratlija Novakovic Z, Glavina Durdov M, Puljak L, Saraga M, Ljutic D, Filipovic T, et al. The interstitial expression of alpha-smooth muscle actin in glomerulonephritis is associated with renal function. *Med Sci Monit.* 2012;18(4):CR235-40.
45. Soljic V, Perak RB, Vukojevic K, Saraga-Babic M, Bubalo P, Karan D, et al. ZAP-70 expression and proliferative activity in chronic lymphocytic leukemia. *Leuk Lymphoma.* 2013;54(6):1171-6.
46. Tafra R, Brakus SM, Vukojevic K, Kablar B, Colovic Z, Saraga-Babic M. Interplay of proliferation and proapoptotic and antiapoptotic factors is revealed in the early human inner ear development. *Otol Neurotol.* 2014;35(4):695-703.
47. Tica Sedlar I, Petricevic J, Saraga-Babic M, Pintaric I, Vukojevic K. Apoptotic pathways and stemness in the colorectal epithelium and lamina propria mucosae during the human embryogenesis and carcinogenesis. *Acta Histochem.* 2016;118(7):693-703.
48. Vuica A, Ferhatovic Hamzic L, Vukojevic K, Jeric M, Puljak L, Grkovic I, et al. Aging and a long-term diabetes mellitus increase expression of 1 alpha-hydroxylase and vitamin D receptors in the rat liver. *Exp Gerontol.* 2015;72:167-76.
49. Vuica A, Vukojevic K, Ferhatovic Hamzic L, Jeric M, Puljak L, Grkovic I, et al. Expression pattern of CYP24 in liver during ageing in long-term diabetes. *Acta Histochem.* 2016;118(5):486-95.
50. Vukojevic K, Carev D, Sapunar D, Petrovic 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(3):339-49.
51. Vukojevic K, Filipovic N, Tica Sedlar I, Restovic I, Bocina I, Pintaric I, et al. Neuronal differentiation in the developing human spinal ganglia. *Anat Rec (Hoboken).* 2016;299(8):1060-72.
52. Vukojevic K, Janjic T, Saraga-Babic M. Developmental patterns of Ki-67, Oct-4 and alpha-tubulin proteins expression in the human spinal cord. *Acta Histochem.* 2014;116(4):619-26.
53. Vukojevic K, Kero D, Novakovic J, Kalibovic Govorko D, Saraga-Babic M. Cell proliferation and apoptosis in the fusion of human primary and secondary palates. *Eur J Oral Sci.* 2012;120(4):283-91.
54. Vukojevic K, Lovric-Kojundzic 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;7(2):121-6.
55. Vukojevic K, Petrovic D, Saraga-Babic M. Nestin expression in glial and neuronal progenitors of the developing human spinal ganglia. *Gene Expr Patterns.* 2010;10(2-3):144-51.

56. Vukojevic K, Skobic H, Saraga-Babic M. Proliferation and differentiation of glial and neuronal progenitors in the development of human spinal ganglia. *Differentiation*. 2009;78(2-3):91-8.
57. Vukusic Pusic T, Janjic T, Dujmovic I, Poljicanin A, Soljic V, Saraga-Babic M, et al. The involvement of proliferation and apoptosis in the early human gonad development. *J Mol Histol*. 2013;44(1):55-63.
58. Westland R, Verbitsky M, Vukojevic K, Perry BJ, Fasel DA, Zwijnenburg PJ, et al. Copy number variation analysis identifies novel CAKUT candidate genes in children with a solitary functioning kidney. *Kidney Int*. 2015;88(6):1402-10.

Audiovizualni mediji i poglavlja u knjigama

Saraga-Babić M, Sapunar D, Puljak L, **Vukojević K**, Lovrić Kojundžić S, Carev D. *Histology Atlas*. Virtual Medical School, 2007. <http://www.vms.hr/HistologyAtlas/index.htm>
Anatomski atlas: Sobotta - Atlas anatomije čovjeka I. + II. + III. hrv. izdanje: Ana Marušić, Dragica Bobinac, Vedran Katavić.