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School of Medicine
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Date of Preparation: June 30, 2014.

Personal Data:

Name Katarina Vukojević
Date of Birth June 8, 1979
Birthplace Mostar, Bosnia and Herzegovina
Citizenship Croatia

Work Experience

07/2014 -	School of Medicine, University of Split, <i>Associate Professor of Anatomy, Head of Department of Anatomy, Histology and Embryology, Head of Laboratory For Early Human Development</i>	Split, Croatia
07/2013 – 07/2014	Columbia University College of Physicians and Surgeons, Division of Nephrology <i>Assistant Professor</i>	New York, NY
06/2011 – Present	School of Medicine, University of Split, <i>Assistant Professor of Anatomy, Head of Laboratory For Early Human Development</i>	Split, Croatia
02/2009 – 06/2011	School of Medicine, University of Split, <i>Senior Assistant of Histology and Embryology</i>	Split, Croatia
05/2006 – 02/2009	School of Medicine, University of Split, <i>Research Fellow</i>	Split, Croatia
10/2004 – 05/2006	Department of Primary Health Care, ER <i>Medical doctor</i>	Mostar, Bosnia and Herzegovina

Post Doctoral Training

07/2013 – 07/2014	Columbia University College of Physicians and Surgeons, Division of Nephrology <i>Assistant Professor</i> <i>Training in techniques of molecular genetics</i>	New York, NY
11/2009-05/2010	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

Education

07/1998 – 10/2004	School of Medicine, University of Mostar, <i>Medical doctor, October 2004</i>	Mostar, Bosnia and Herzegovina
10/2004-03/2008	School of Medicine, University of Mostar, <i>Master of Science, March 2008</i>	Mostar, Bosnia and Herzegovina
03/2008 – 02/2009	School of Medicine, University of Split, <i>Doctor of Philosophy, February 2009</i>	Split, Croatia

Title: „Neural crest cells developmental fate and their differentiation in human spinal ganglia”
supervisor Prof. Mirna Saraga-Babić, MD PhD; citations from publications 65

Licensure

10/2006 - Present	Croatian Medical Chamber	Croatia
10/2005 –Present	Herzegovian-Neretvian Medical Chamber	Bosnia and Herzegovina

Honors

Important invited lectureships:

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

Elite fellowship program:

07/2013 – 07/2014 American Association of University Woman

Professional Organizations, Societies and Service

Memberships and Positions

Croatian Microscopic Society; Croatian Association of Medical Doctors; Croatian Laboratory Association (participant)

Editorial

09/2007 – 09/2010 Editorial Board of Croatian Medical Journal for Electron Publishing

Departmental and University Committees

10/2009	Quality Assurance Committee School of Medicine, University of Mostar (Member)
10/2007 -10/2009	Education and Student Affairs Committee School of Medicine, University of Split (Member)

Fellowship and Grant Support

Present Support

2017 – 2021 principal investigator in the project of Croatia Science Foundation: "Characterization of Congenital Anomalies of the Kidney and the Urinary tract (CAKUT) candidate genes during mouse and human development"

2013 – 2014 The American Association of University Women (AAUW) – International Fellowship winner

Past Support

2012 - 2013 principal investigator in the project of Federal Ministry of Education and Science, Bosnia and Herzegovina: "Role of alpha-tubulin, Ki-67 and Oct-4 in early human spinal cord development".

2010 - 2012 principal investigator in the project of Federal Ministry of Education and Science, Bosnia and Herzegovina: "Zap-70 expression and proliferate activity of leukemic cells in B-cell chronic lymphocytic leukemia".

2007 - 2008 collaborator on the project "Development of the human peripheral nervous system", Federal Ministry of Education and Science, Bosnia and Herzegovina

2007 - 2013 collaborator on the project of MZOŠ, Croatia: "Gene expression during early human development"

2006 – 2011 collaborator on the Croatian-Slovenian project "Biomekrers of normal and abnormal development and associated multifactorial disorders".

2006 – 2007 collaborator on the project: „Factors involved in early differentiation and carcinogenesis of human ovary "FMON project, Bosnia and Herzegovina

2006 – 2007 collaborator on the project of MZOŠ, Croatia: "Development and diseases of axial structures in human"

Teaching Experience and Responsibilities

General Teaching Activities

Graduate education in Anatomy, Histology and Embryology

Elective courses "Development and congenital kidney diseases" and "Fertilization"

E-teaching: Elective course Development and anomalies of the head and neck

Postgraduate teaching- Postgraduate study TRIBE, School of Medicine, University of Split

Postgraduate teaching- Postgraduate study Biology of Neoplasias, School of Medicine, University of Split

Postgraduate teaching – Postgraduate study EBM, School of Medicine, University of Mostar

Visiting professor – School of Medicine, University of Mostar

Ph.D./Master's Theses Trainees

Master's Thesis:

1. Josip Novaković: Developmental patterns of Ki-67, bcl-2 and caspase-3 proteins expression in the human upper jaw. School of Medicine, University of Mostar Bosnia and Herzegovina, 2009.

2. Anka Ćorić: Dental anxiety and coping with pain in children: an association with parental dental anxiety, dental status and dental satisfaction. School of Medicine, University of Mostar, 2011.

PhD's Thesis:

1. Josip Novaković: Involvement of cell proliferation, apoptosis and cell differentiation in the fusion of human primary and secondary palates. School of Medicine, University of Mostar, Bosnia and Herzegovina, 2012.

2. Tanja Vukušić-Pušić: Involvement of proliferation and apoptosis in early human gonad development. School of Medicine, University of Split, Croatia, 2013.

3. Ana Poljičanin: Expression of pro-apoptotic and anti-apoptotic factors in ovaries and serous ovarian tumours. School of Medicine, University of Split, Croatia, 2013.

4. Tanja Janjić Zovko: Developmental patterns of Ki-67, Oct-4 and α -tubulin proteins expression in the human spinal cord. School of Medicine, University of Mostar, Bosnia and Herzegovina, 2014.
5. Ana Carić: Apoptotic pathways in ovarian surface epithelium during embryogenesis and carcinogenesis: close relationship of developmental plasticity and neoplasm. School of Medicine, University of Split, Croatia, 2014.
6. Anita Matas: Role of proliferation and differentiation factors in the early human eye development" School of Medicine, University of Split, Croatia, 2017.

Publications

(1-58)

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, Mardescic-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, Mardescic 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, Mardescic-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.

Audiovisual/Media

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>