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| **European**  **curriculum vitae**  **format** |

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| **Personal information** |

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| Surname(s) / First name(s) | **Mardešić Brakus Snježana** |
| Address(es) | Šoltanska 2, 21000 Split |
| Telephone(s) | +385 21 557 804 |
| Fax(es) | +385 21 557 811 |
| E-mail(s), Web address(s) | snjezana.mardesic.brakus@mefst.hr |
| Nationality(-ies) | Croatian |
| Date of birth | January, 6.,1979. |
| Identification number from Records of Scientific Workers | **307826** |

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| **Work experience** |

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| • Dates (from – to) | 2004 -2005 |
| Name and address of employer | University of Split Medical School |
| Type of business or sector | Academic Institution, Department of integrative physiology |
| Occupation or position held | associate |
| Main activities and responsibilities | Research |
| **Work experience** |

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| • Dates (from – to) | 2008 |
| Name and address of employer | University of Split Medical School |
| Type of business or sector | Academic Institution, Department of Histology and embryology |
| Occupation or position held | associate |
| Main activities and responsibilities | Research and teaching |

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| **Education** |

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| Date | 1997.-2003. |
| Place of education | Split |
| Name and type of organization providing education | Medical School, University of Split |
| Title or qualification awarded | Medical doctor |

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| Date | 2004.-2005 |
| Place of education | Split |
| Name and type of organization providing education | Postgraduate study , Medical school, University of Split |
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| **Personal skills and competencies** |

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| Mother tongue(s) | Croatian |

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| Other language(s) |

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| Language | English |
| Speaking | yes |
| Writing | yes |
| Understanding (listening and reading) | yes |

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| **Teaching activities** | - Graduate education in Histology and Embryology  - Elective courses “Head and neck anomalies” |

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| Research Experience | -Investigation in the field oh human physiology  -Investigations in the field of normal and abnormal human development with special emphasis on the formation of human jaw  -Ultrastructural and immunohistochemical investigations of developing human organs: the  role of cell death, proliferation, growth-factors and other factors during their formation and differentiation. |

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| **Research grants** | -Participation in the project “Breath-hold diving and cardiovascular system” (MZOŠ No. 216-2160133-0330) main investigator: prof dr. Zoran Valić  - Participation in the project “Gene expression during early human development” (MZOŠ No. 021-2160528-0507. 2007-) main investigator: Prof. Mirna Saraga-Babić |

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| Computer software | Windows |

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| **Publications**  **(CC, SCI)** | 1. [Spatial and temporal distribution of Ki-67 proliferation marker, Bcl-2 and Bax proteins in the developing human tooth.](http://www.ncbi.nlm.nih.gov/pubmed/20732674)**.** Kalibović Govorko D, Bečić T, Vukojević K, **Mardešić-Brakus S**, Biočina-Lukenda D, Saraga-Babić M..Arch Oral Biol. 2010 Aug 22. [Epub ahead of print]PMID: 20732674 2. [Developmental patterns of Ki-67, bcl-2 and caspase-3 proteins expression in the human upper jaw.](http://www.ncbi.nlm.nih.gov/pubmed/20598358) Novakovic J, **Mardesic-Brakus S**, Vukojevic K, Saraga-Babic M. Acta Histochem. 2010 Jun 30. [Epub ahead of print]PMID: 20598358 3.[Muscle oxygen supply during cold face immersion in breath-hold divers and controls.](http://www.ncbi.nlm.nih.gov/pubmed/17183917) Valic Z, Palada I, Bakovic D, Valic M, **Mardesic-Brakus S**, Dujic Z. Aviat Space Environ Med. 2006 Dec;77(12):1224-9.PMID: 17183917 [PubMed - indexed for MEDLINE] 4.. Apoptotic and antiapoptotic factors in early human mandible development. **Mardesic-Brakus** S,Kalibovic Govorko D, Vukojevic K, Alujevic Jakus I, Carev D, Petricevic J, Saraga-Babic M; Eur J Oral Sci (2010) |

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| **CONGRESSES** | -Saraga-Babić M., Švajger A.: Anomalies od the human notochord. EDBO Congress,  Helsinki, Finland, 14-18 June, 1987. Cell Differ 20 (Suppl.): 63, 1987.  .Saraga-Babić M., Wartiovaara J., Lehtonen E., Švajger A.: Close association between  the notochord and the spinal cord in the regressing human tail. ISDB Congress, Utrecht, The Netherlands, August 20-25, 1989. Cell Differ Dev (Suppl.): 76, 1989.  -Saraga-Babić M., Bakotin J., Anđelinović Š., Saraga M.: Neurodevelopmental  abnormalities in humans. Fifth International Meeting of Adriatic Society of Pathology.  Split, June 23-24, 1990, Abstracts, p.23.  -Saraga-Babić M., Wartiovaara J., Lehtonen E., Švajger A.: Notochord in early  human development. ESF Study Workshop on Developmental Biology, Amalfi,  Italy, Sept. 30.-Oct. 7., 1990, Abstracts.  -Saraga-Babić M., Stefanović V., Wartiovaara J., Lehtonen E.: Spinal cord-  notochord relationship in normal human embryos and in a human embryo with double  spinal cord.. EDBC, Jerusalem, Israel, August 11-16, 1991, Abstracts.  -Saraga-Babić M.: Influence of the notochord on the formation of bursa pharyngea  in early human development. 5. Spomenski sestanek profesorja Dr. Frana I. Zavrnika,  Gozd-Mertuljak, Slovenija, 1992., Zbornik povzetkov, str. 80-82.  -Saraga-Babić M., Stefanović V., Wartiovaara J., lehtonen E.: Primary and  secondary neurulation in a 4-week human embryo. The Seventh International  Conference of the International Society of Differentiation, Helsinki, Finland, 1992  Abstracts, p. 125.  -Stefanović V., Saraga-Babić M., Lehtonen E., Wartiovaara J.: Ultrastructure of  cell contacts in early developing human pituitary gland. The Seventh International  Conference of the International Society of Differentiation, Helsinki, Finland, 1992.,  Abstracts, p. 76.  -Sapunar D., Saraga-Babić M., Peruzović M., Marušić M.: The effect of hyperbaric  oxygen on rat embryos. The Seventh International Conference of the International  Society of Differentiation, Helsinki, Finland, 1992., Abstracts, p. 75.  -Saraga-Babić M., Sapunar D., Stefanović V.: Histological characteristics of the  central nervous system, notochord and vertebral column in human craniorachischisis.  16. Alps Adria Meeting of Anatomists, Zagreb, May 20-23,  1993, Abstracts, p.22.  -Stefanović V., Saraga-Babić M., Wartiovaara J.: Proliferation and differentiation  of cells in the developing human pituitary primordium. 16. Alps Adria Meeting of  Anatomists, Zagreb, May 20-23, 1993, Abstracts, p.63.  -Saraga-Babić M., Stefanović V., Wartiovaara J., Lehtonen E.: Epithelio -  mesenchymal change in phenotype of human notochord cells during development  of vertebral axis. ISDB 12th International Congress, Vienna, Austria, August 8-13, 1993,  Abstract Book, p. 106.  -Saraga-Babić M., Stefanović V., Lehtonen E., Wartiovaara J.: Notochord  abnormalities in different human developmental axial disorders. ISDB 12th International Congress, Vienna, Austria, August 8-13, 1993, Abstract Book, p. 106.  -Saraga-Babić M., Wartiovaara J., Stefanović V., Sapunar D., Lehtonen E.:  Intermediate filaments and apoptosis during human notochord development. The Third  International Duodecim Symposium, Embryonic Induction: Models and Molecules. Mariehamn,  Aland, Finland, 14-17 June, 1995, Abstracts, p.5.  -Saraga-Babić M., Krolo M., Terzić J., Sapunar D.: Neurulation defects during  human development. EDBC, Toulouse, France, July, 1995, Abstract Book, p.51. 16.  -Sapunar -, Vilović K., England M., Saraga-Babić M.: Morphological diversity of  dying cells during regression of the human tail. The 9th International Conference  of the International Society of Differentiation. Pisa, Italy, Sept.-Oct., 1996,  Abstract Book, p. 113.  -Terzić J., Saraga-Babić M., Muller C., Gruss P.: Expression of PAX2 gene during  human development. The 9th International Conference of the International Society of  Differentiation. Pisa, Italy, Sept.-Oct., 1996, Abstract Book, p. 117.  -Božanić, D., Tafra, R., Saraga-Babić, M.: Role of apoptosis and mitosis during  early stages of human eye development. Apoptosis 2003. From signalling  pathways to therapeutic tools . Diederich, Marc (ed.), Luxemburg, 2003, Abstract  book, p.147.  -Vilović,K., Sapunar, D., Ilijić, E., Glamočlija,V., Saraga-Babić, M.: Cell death  during development of the human spinal cord. Apoptosis 2003. From signalling  pathways to therapeutic tools . Diederich, Marc (ed.), Luxemburg, 2003, Abstract  book |
| **CONGRESSES** | -Božanić D., Bočina I., Saraga-Babić M.: Advances in the assessment of the early stages of human eye development. Journal of Perinatal Medicine, Zagreb, 2005, Abstract Book p.56.  - Carev D., Krnić D., Saraga M., Sapunar D., Saraga-Babić M.: Role of mitotic, pro-apoptotic and anti-apoptotic factors in human kidney development. Pediatric Nephrology, Heildelberg:Springer, pp  1525, 2006.  - Carev D., Saraga M, Saraga-Babić M.: Early human kidney development: role of intermediate  filaments (cytokeratins and vimentin), epithelial and transforming growth factors (EGF and TGF-a)  Pediatric nephrology, Helidelberg, Springer, 22, pp.1507, 2007.  - Carev, d.; Saraga, M.; Saraga-Babić, M.: Early human kidney development: appearance and role of FGF and BMP family proteins and VEGF protein. Pediatric nephrology, Heidelberg, Springer, pp  1668, 2008. |

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| **Mentorship** | **Master's thesis:**  1.Janoš Terzić: Testing of association between Creeper mutant with genes for collagen II and XI, and diplopodia-5 mutant with GHox-8 gene. University of Zagreb, Zagreb,1997.  2.Katarina Vilović: Cell death during differentiation of axial structures in human embryos. University of Zagreb, Zagreb, 1999.  3.Ivana Bočina: Structure of the notochord in the lancelet Branchiostoma lanceolatum L. Faculty of Science, University of Zagreb, Zagreb, 2001.  4. Darka Božanić: Role of apoptosis and mitosis during early stages of human eye development. Univesity of Split, Split, 2002.  5. Katarina Vukojević: Role of bcl-2, caspase-3 and Ki-67 factors during development of spinal  ganglia in human embryos. University of Mostar, Mostar, 2008.  **Doctor's thesis**  1.Vedran Stefanović: Early differentiation of the human pituitary gland. University of Zagreb, Zagreb, 1994.  2.Damir Sapunar: Changes in the structure of the labyrinth in the rat placenta caused by hypoxia, University of Zagreb, Zagreb, 1996.  3. Janoš Terzić: Expression of collagen transgene in mice with Osteogenesis Imperfecta. University of Zagreb, Zagreb 1998.  4. Katarina Vilović: Cell death in the spinal cord of human conceptuses, University of Split, Split, 2002.  5. Dark Božanić: Role of cell proliferation, cytoskeleton and growth factors in the early development of the human eye. University of Split, Split, 2005.  6.Ivana Bočina: Immunohistochemical and ultratrsuctural characteristics of the notochord in Amphioxus. University of Zagreb, Zagreb, 2005.  7.Carev Dominko: „Role of apoptotic and proliferation factors as well as intermediate filament proteins in early development of human kidneys. University of Split, Split, 2008.  8. Vukojević Katarina: „Developmental destiny of neural crest cells and their differentiation in the  developing human spinal ganglia. University of Split, 2009.  9. Bazina Mirna:“ Role of apoptotic and growth factors as well as other developmental factors  In early development of the human hypophysis. University of Split, 2009. |