

Q1 AND Q2 PUBLICATIONS IN LAST 5 YEARS

1. Jovanov-Milosevic, N., Z. Petanjek, D. Petrovic, **M. Judas** and I. Kostovic; (2010); "Morphology, molecular phenotypes and distribution of neurons in developing human corpus callosum." European Journal of Neuroscience **32**(9): 1423-1432; Times Cited: 11; NEUROSCIENCES-Q2; IF-3,669; 5-year IF-3,928.
2. **Judas, M.**, G. Sedmak and I. Kostovic; (2013); "The significance of the subplate for evolution and developmental plasticity of the human brain." Frontiers in Human Neuroscience **7**: 9; Times Cited: 6; PSYCHOLOGY-Q2, NEUROSCIENCES-Q3; IF-2,895; 5-year IF-3,268.
3. **Judas, M.**, G. Sedmak and M. Pletikos; (2010); "Early history of subplate and interstitial neurons: from Theodor Meynert (1867) to the discovery of the subplate zone (1974)." Journal of Anatomy **217**(4): 344-367; Times Cited: 12; ANATOMY & MORPHOLOGY-Q2; IF-2,227; 5-year IF-2,735.
4. **Judas, M.**, G. Sedmak, M. Pletikos and N. Jovanov-Milosevic; (2010); "Populations of subplate and interstitial neurons in fetal and adult human telencephalon." Journal of Anatomy **217**(4): 381-399; Times Cited: 13; ANATOMY & MORPHOLOGY-Q2; IF-2,227; 5-year IF-2,735.
5. **Judas, M.**, G. Simic, Z. Petanjek, N. Jovanov-Milosevic, M. Pletikos, L. Vasung, M. Vuksic and I. Kostovic; (2011); "The Zagreb Collection of human brains: a unique, versatile, but underexploited resource for the neuroscience community." Resources and Technological Advances for Studies of Neurobehavioral Evolution **1225**(S1): E105-E130; Times Cited: 6; MULTIDISCIPLINARY SCIENCES-Q1; IF-4,039; 5-year IF-3,854.
6. Kostovic, I., N. Jovanov-Milosevic, M. Rados, G. Sedmak, V. Benjak, M. Kostovic-Srzentic, L. Vasung, M. Culjat, M. Rados, P. Huppi and **M. Judas**; (2014); "Perinatal and early postnatal reorganization of the subplate and related cellular compartments in the human cerebral wall as revealed by histological and MRI approaches." Brain Structure & Function **219**(1): 231-253; Times Cited: 10; ANATOMY & MORPHOLOGY-Q1, NEUROSCIENCES-Q1; IF-4,567; 5-year IF-7,451.
7. Kostovic, I. and **M. Judas**; (2010); "The development of the subplate and thalamocortical connections in the human foetal brain." Acta Paediatrica **99**(8): 1119-1127; Times Cited: 77; PEDIATRICS-Q2; IF-1,842; 5-year IF-2,117.
8. Kostovic, I., **M. Judas** and G. Sedmak; (2011); "Developmental history of the subplate zone, subplate neurons and interstitial white matter neurons: relevance for schizophrenia." International Journal of Developmental Neuroscience **29**(3): 193-205; Times Cited: 25; DEVELOPMENTAL BIOLOGY-Q2, NEUROSCIENCES-Q3; IF-2,918; 5-year IF-2,648.
9. Kostovic, I., G. Sedmak, M. Vuksic and **M. Judas**; (2015); "The Relevance of Human Fetal Subplate Zone for Developmental Neuropathology of Neuronal Migration Disorders and Cortical Dysplasia." CNS Neuroscience & Therapeutics **21**(2): 74-82; Times Cited: 0; PHARMACOLOGY & PHARMACY-Q1, NEUROSCIENCES-Q2; IF-3,784; 5-year IF-4,068.
10. Kwan, K. Y., M. M. S. Lam, M. B. Johnson, U. Dube, S. Shim, M. R. Rasin, A. M. M. Sousa, S.

Fertuzinhos, J. G. Chen, J. I. Arellano, D. W. Chan, M. Pletikos, L. Vasung, D. H. Rowitch, E. J. Huang, M. L. Schwartz, R. Willemsen, B. A. Oostra, P. Rakic, M. Heffer, I. Kostovic, **M. Judas** and N. Sestan; (2012); "Species-Dependent Posttranscriptional Regulation of NOS1 by FMRP in the Developing Cerebral Cortex." Cell **149**(4): 899-911;
Times Cited: 31; BIOCHEMISTRY & MOLECULAR BIOLOGY-Q1, CELL BIOLOGY-Q1; IF-33,116; 5-year IF-35,020.

11. Milosevic, N. J., **M. Judas**, E. Aronica and I. Kostovic; (2014); "Neural ECM in laminar organization and connectivity development in healthy and diseased human brain." Brain Extracellular Matrix in Health and Disease **214**: 159-178;
Times Cited: 1; NEUROSCIENCES-Q1; IF-5,103; 5-year IF-4,197.
12. Petanjek, Z., **M. Judas**, G. Simic, M. R. Rasin, H. B. M. Uylings, P. Rakic and I. Kostovic; (2011); "Extraordinary neoteny of synaptic spines in the human prefrontal cortex." Proceedings of the National Academy of Sciences of the United States of America **108**(32): 13281-13286;
Times Cited: 152; MULTIDISCIPLINARY SCIENCES-Q1; IF-9,809; 5-year IF-10,727.
13. Vasung, L., N. Jovanov-Milosevic, M. Pletikos, S. Mori, **M. Judas** and I. Kostovic; (2011); "Prominent periventricular fiber system related to ganglionic eminence and striatum in the human fetal cerebrum." Brain Structure & Function **215**(3-4): 237-253;
Times Cited: 11; ANATOMY & MORPHOLOGY-Q1, NEUROSCIENCES-Q1; IF-4,567; 5-year IF-7,451.

15 SELECTED PUBLICATIONS

1. Fertuzinhos, S., Z. Krsnik, Y. I. Kawasaki, M. R. Rasin, K. Y. Kwan, J. G. Chen, **M. Judas**, M. Hayashi and N. Sestan; (2009); "Selective Depletion of Molecularly Defined Cortical Interneurons in Human Holoprosencephaly with Severe Striatal Hypoplasia." Cerebral Cortex **19**(9): 2196-2207;
Times Cited: 54; NEUROSCIENCES-Q1; IF-8,305; 5-year IF-8,372.
2. **Judas, M.**, M. Rados, N. Jovanov-Milosevic, P. Hrabac, R. Stern-Padovan and I. Kostovic; (2005); "Structural, immunocytochemical, and MR imaging properties of periventricular crossroads of growing cortical pathways in preterm infants." American Journal of Neuroradiology **26**(10): 2671-2684;
Times Cited: 79; CLINICAL NEUROLOGY-Q1, NEUROIMAGING-Q1, RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING-Q1; IF-3,675; 5-year IF-3,827.
3. **Judas, M.**, M. R. Rasin, B. Kruslin, K. Kostovic, D. Jukic, Z. Petanjek and I. Kostovic; (2003); "Dendritic overgrowth and alterations in laminar phenotypes of neocortical neurons in the newborn with semilobar holoprosencephaly." Brain & Development **25**(1): 32-39;
Times Cited: 11; CLINICAL NEUROLOGY-Q3; IF-1,542; 5-year IF-1,825.
4. **Judas, M.**, N. Sestan and I. Kostovic; (1999); "Nitrinergic neurons in the developing and adult human telencephalon: Transient and permanent patterns of expression in comparison to other mammals." Microscopy Research and Technique **45**(6): 401-419;
Times Cited: 52; ANATOMY & MORPHOLOGY-Q3, BIOLOGY-Q3, MICROSCOPY-Q3; IF-1,170; 5-year IF-1,483.
5. Kostovic, I. and **M. Judas**; (2002); "Correlation between the sequential ingrowth of afferents and

- transient patterns of cortical lamination in preterm infants." Anatomical Record **267**(1): 1-6;
Times Cited: 97; ANATOMY & MORPHOLOGY-Q3; IF-1,530; 5-year IF-1,595.
6. Kostovic, I. and **M. Judas**; (2006); "Prolonged coexistence of transient and permanent circuitry elements in the developing cerebral cortex of fetuses and preterm infants." Developmental Medicine and Child Neurology **48**(5): 388-393;
Times Cited: 55; PEDIATRICS-Q1, CLINICAL NEUROLOGY-Q2; IF-3,292; 5-year IF-3,665.
 7. Kostovic, I. and **M. Judas**; (2007); "Transient patterns of cortical lamination during prenatal life: Do they have implications for treatment?"; Neuroscience and Biobehavioral Reviews **31**(8): 1157-1168;
Times Cited: 40; BEHAVIORAL SCIENCES-Q1, NEUROSCIENCES-Q1; IF-10,284; 5-year IF-11,075.
 8. Kostovic, I., **M. Judas**, Z. Petanjek and G. Simic; (1995); "ONTOGENY OF GOAL-DIRECTED BEHAVIOR - ANATOMO-FUNCTIONAL CONSIDERATIONS." International Journal of Psychophysiology **19**(2): 85-102;
Times Cited: 51; PHYSIOLOGY-Q2, PSYCHOLOGY-Q2, NEUROSCIENCES-Q3; IF-2,648; 5-year IF-2,960.
 9. Kostovic, I., **M. Judas**, M. Rados and P. Hrabac; (2002); "Laminar organization of the human fetal cerebrum revealed by histochemical markers and magnetic resonance imaging." Cerebral Cortex **12**(5): 536-544;
Times Cited: 165; NEUROSCIENCES-Q1; IF-8,305; 5-year IF-8,372.
 10. Kostovic, I., N. Lukinovic, **M. Judas**, N. Bogdanovic, L. Mrzljak, N. Zecevic and M. Kubat; (1989); "STRUCTURAL BASIS OF THE DEVELOPMENTAL PLASTICITY IN THE HUMAN CEREBRAL-CORTEX - THE ROLE OF THE TRANSIENT SUBPLATE ZONE." Metabolic Brain Disease **4**(1): 17-23;
Times Cited: 59; ENDOCRINOLOGY & METABOLISM-Q3, NEUROSCIENCES-Q3; IF-2,398; 5-year IF-2,553.
 11. Kostovic, I., Z. Petanjek and **M. Judas**; (1993); "EARLY AREAL DIFFERENTIATION OF THE HUMAN CEREBRAL-CORTEX - ENTORHINAL AREA." Hippocampus **3**(4): 447-458;
Times Cited: 32; NEUROSCIENCES-Q1; IF-4,302; 5-year IF-5,059.
 12. Kostovic, I., L. Seress, L. Mrzljak and **M. Judas**; (1989); "EARLY ONSET OF SYNAPSE FORMATION IN THE HUMAN HIPPOCAMPUS - A CORRELATION WITH NISSL-GOLGI ARCHITECTONICS IN 15-WEEK-OLD AND 16.5-WEEK-OLD FETUSES." Neuroscience **30**(1): 105-116;
Times Cited: 46; NEUROSCIENCES-Q2; IF-3,327; 5-year IF-3,458.
 13. Mrzljak, L., H. B. M. Uylings, C. G. Vaneden and **M. Judas**; (1990); "NEURONAL DEVELOPMENT IN HUMAN PREFRONTAL CORTEX IN PRENATAL AND POSTNATAL STAGES." Progress in Brain Research **85**: 185-222;
Times Cited: 133; NEUROSCIENCES-Q1; IF-5,103; 5-year IF-4,197.
 14. Petanjek, Z., **M. Judas**, I. Kostovic and H. B. M. Uylings; (2008); "Lifespan alterations of basal dendritic trees of pyramidal neurons in the human prefrontal cortex: A layer-specific pattern." Cerebral Cortex **18**(4): 915-929;
Times Cited: 83; NEUROSCIENCES-Q1; IF-8,305; 5-year IF-8,372.

15. Rados, M., **M. Judas** and I. Kostovic; (2006); "In vitro MRI of brain development." European Journal of Radiology **57**(2): 187-198;
Times Cited: 57; RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING-Q2; IF-2,160; 5-year IF-2,304.

CHAPTERS IN LEADING INTERNATIONAL TEXTBOOKS & HANDBOOKS:

1. Kostović I, **Judaš M**, Petanjek Z (2008) Structural development of the human prefrontal cortex. U: Nelson CA, Luciana M (Ur.) *Handbook of Developmental Cognitive Neuroscience, Second Edition*. Cambridge, MA – London: A Bradford Book – The MIT Press, str. 213-235.
2. Kostović I, **Judaš M** (2009) Early development of neuronal circuitry of the human prefrontal cortex. In: Gazzaniga MS (Ed) *The Cognitive Neurosciences, 4th Edition*. Cambridge, MA – London: The MIT Press, pp. 29-48.
3. **Judaš M** (2011) Prenatal development of the human fetal telencephalon. In: Prayer D (Ed) *Fetal MRI. Medical Radiology – Diagnostic Imaging*. Berlin – New York: Springer, pp. 81-146.