

# Curriculum Vitae

## Personal Information

First name and surname: Snezana Kojic  
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## Work address

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## Education

1991. BSc in Molecular biology, Faculty of Natural Sciences, University of Belgrade, Yugoslavia  
1998. MSc in Molecular biology, Faculty of Biology, University of Belgrade, Yugoslavia  
2003. PhD in Molecular biology, Faculty of Biology, University of Belgrade, Serbia

## Position and employment

2012.-present  
Senior Research Associate, Laboratory for Molecular Biology, Institute of Molecular Genetics and Genetic Engineering, Belgrade, Serbia  
2010.-2012  
Research Associate, Laboratory for Molecular Biology, Institute of Molecular Genetics and Genetic Engineering, Belgrade, Serbia  
2006.-2010.  
Head of Laboratory for Molecular Biology, Institute of Molecular Genetics and Genetic Engineering, Belgrade, Serbia  
2003.-2006.

Research Associate, Laboratory for Molecular Biology, Institute of Molecular Genetics and Genetic Engineering, Belgrade, Serbia

1998.-2003.

Research Assistant, Laboratory for Molecular Biology, Institute of Molecular Genetics and Genetic Engineering, Belgrade, Serbia

1992.-1998.

Research Trainee, Laboratory for Molecular Biology, Institute of Molecular Genetics and Genetic Engineering, Belgrade, Serbia

### **Research support**

-Zebrafish (*Danio rerio*) as a model system for studying the role of muscle ankyrin repeat proteins Ankrd1 and Ankrd2 in cardiogenesis and heart regeneration (Serbian –German programme, 2015-2016),

**PI**

-Strengthening the Research Potential of IMGGE through Reinforcement of Biomedical Science of Rare Diseases in Serbia–en route for innovation” (FP7 REGPOT-CT-2013-316088-SERBORDISinn, 2013-2016), **WP2B leader**

-Lactic acid bacteria bioactive compounds as inducers of autophagy (CRP, ICGEB, Italy, 2014-2016), participant

-Complex diseases as a model system for phenotype modulation- structural and functional analysis of molecular biomarkers (funded by MSTRS, 173008, 2011-2014), participant

-Evaluation of muscle specific protein Ankrd2/Arpp in different myopathies and its potential use as a diagnostic marker (Serbian –German programme, 2011-2012), **PI**

-The role of human skeletal muscle protein Ankrd 2/Arpp in striated muscle (funded by ICGEB, CRP/YUG05-01, 2006-2008), **PI**

-Genomic elements in phenotype modulation (funded by MSEPRS, 143051, 2006-2010), participant

-Creation and use of the library of aptamers highly specific for HsORC4, (ICGEB, CRP/YUG03-01, 2004-2007), participant

-Mutated gene in different genetic backgrounds (funded by MSEPRS, 1417, 2002-2004), participant

-Coding and non-coding DNA sequences (funded by MSTRS, 1996-2000), participant

### **Bibliography (selected publications)**

h factor = 8 Citations: 428

1. Miljkovic M, Strahinic I, Tolinacki M, Zivkovic M, **Kojic S**, Golic N, Kojic M. (2015). AggLb is the largest cell-aggregation factor from *Lactobacillus paracasei* subsp. *paracasei* BGNJ1-64, functions in collagen adhesion, and pathogen exclusion in vitro. *PLoS ONE*, 10(5):e0126387
2. **Kojic S**, Nestorovic A, Rakicevic Lj, Protic O, Jasic-Savovic J, Faulkner G and Radojkovic D. (2015). Cardiac transcription factor Nkx2.5 interacts with p53 and modulates its activity. *Archives of Biochemistry and Biophysics*, 569:45-53.
3. Jasic-Savovic J, Nestorovic A, Savic S, Karasek S, Vitulo N, Valle G, Faulkner G, Radojkovic D and **Kojic S**. (2015). Profiling of skeletal muscle Ankrd2 protein in human cardiac tissue and neonatal rat cardiomyocytes. *Histochemistry and Cell Biology*, 143(6):583-597
4. Tesic V, Perovic M, Lazic D, **Kojic S**, Smiljanic K, Ruzdijic S, Rakic Lj and Kanazir S. (2015). Long-term intermittent feeding restores impaired GR signaling in the hippocampus of aged rat. *The Journal of Steroid Biochemistry and Molecular Biology*, 149:43–52
5. Martinelli V, Buck Kyle W, **Kojic S**, Vitulo N, Li Z, Belgrano A, Maiuri P, Banks L, Vatta M, Valle G, Faulkner G. (2014) ZASP interacts with the mechanosensing protein Ankrd2 and p53 in the signalling network of striated muscle. *PLoS One*, e92259. doi:10.1371/journal.pone.0092259.
6. Nestorovic A, Jasic-Savovic J, Faulkner G, Radojkovic D and **Kojic S**. (2014). Ankrd1-mediated signaling is supported by its interaction with Zonula Occludens-1. *Arch Biol Sci, Belgrade*, 66 (3), 1233-1242, 2014 DOI:10.2298/ABS1403233N1233
7. Adamovic D, Djalovic I, Mitrovic P, **Kojic S**, Pivic R, Josic D. (2014) First report on natural infection of *Paeonia tenuifolia* by 'Candidatus phytoplasma solani' in Serbia. *Plant Disease*, 98(4):565.
8. Balaz J, Ilicic R, Maširević S, Josic D, **Kojic S**. (2014) First report of *Pseudomonas syringae* pv. *syringae* causing bacterial leaf spots of oil pumpkin (*Cucurbita pepo*) in Serbia. *Plant Disease*, 98 (5):684.
9. Adamovic D, Djalovic I, Mitrovic P, **Kojic S**, Starovic M, Purar B, Josic D. (2014) First report of 16SrXII-A subgroup phytoplasma (Stolbur) associated with reddening of *Oenothera biennis* in Serbia. *Plant Disease*, 98 (6):841.
10. Pavlovic S, Starovic M, Stojanovic S, **Kojic S**, Marinkovic J, Josic D. (2014) First report of Stolbur phytoplasma affecting *Cichorium intybus* in Serbia. *Plant Disease*, 98(6):839.
11. Starovic M, **Kojic S**, Kuzmanovic S, Stojanovic S, Pavlovic S, Josic D. (2014) First report of blueberry reddening disease in Serbia associated with 16SrXII-A (Stolbur) phytoplasma. *Plant Disease*, 97(12):1653.
12. Ljubic M, Divac Rankov A, Kojic S, Miranda E, Radojkovic D. (2014) Functional analysis of novel alpha-1 antitrypsin variants G320R and V321F. *Mol Biol Rep*, 41(9):6133-41.
13. Kojic S, Radojkovic D, Faulkner G. (2011) Muscle ankyrin repeat proteins: their role in striated muscle function in health and disease. *Critical Reviews in Clinical Laboratory Sciences*, 48(5-6): 269–294.
14. Rakicevic L, Petrovic N, Radojkovic D, **Kojic S**. (2011) The expression of muscle ankyrin repeat proteins in brown adipose tissue. *Archives of Biological Sciences*, 63(4):915-920.

15. Belgrano A, Rakicevic L, Mittempergher L, Campanaro S, Martinelli VC, Mouly V, Valle G, **Kojic S**, Faulkner G. (2011) Multi-tasking role of the mechanosensing protein Ankrd2 in the signaling network of striated muscle. *PLoS ONE*, 6(10), e25519.
16. Nikolic A, **Kojic S**, Knezevic S, Krivokapic Z, Ristanovic M, Radojkovic D. (2011) Structural and functional analysis of SMAD4 gene promoter in malignant pancreatic and colorectal tissues: detection of two novel polymorphic nucleotide repeats. *Cancer Epidemiol*, 35(3):265-71.
17. **Kojic S**, Nestorovic A, Rakicevic Lj, Belgrano A, Stankovic M, Divac A and Faulkner G. (2010) A novel role for cardiac ankyrin repeat protein Ankrd1/CARP as a co-activator of the p53 tumor suppressor protein. *Archives of Biochemistry and Biophysics*, 502, 60-67.
18. Kusic J, Tomic B, Divac A, **Kojic S**. (2010) Human initiation protein Orc4 prefers triple stranded DNA. *Molecular Biology Reports*, 37(5):2317-2322.
19. **Kojic S**, Medeot E, Faulkner G. (2009) Characterization of antibodies directed against the Ankrd2 human muscle protein. *Archives of Biological Sciences*, 61(4):683-691.
20. Kusic J, **Kojic S**, Divac A, Stefanovic D. (2005) Noncanonical DNA elements in the lamin B2 origin of DNA replication. *J Biol Chem*, 18;280(11):9848-54
21. **Kojic S**, Medeot E, Guccione E, Krmac H, Zara I, Martinelli V, Valle G, Faulkner G. (2004) The Ankrd2 protein, a link between the sarcomere and the nucleus in skeletal muscle. *J Mol Biol*, 339, 313-325.
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23. Faulkner G, Pallavicini A, Comelli A, Salamon M, Bortoletto G, Ievolella C, Trevisan S, **Kojic S**, Dalla Vecchia F, Laveder P, Valle G, Lanfranchi G. (2000) FATZ, a filamin-, actinin- and telethonin-binding protein of the Z-disc of skeletal muscle. *J Biol Chem*, 275, 41234-41242.
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25. Ristic D, Todorovic V, **Kojic S**, Stefanovic D. (1997) Characterization of a helicase, DHEL III, from *Drosophila melanogaster* embryonic nuclei. *Biochemistry and Molecular Biology International*, 43(4): 723-731.
26. Todorovic V, **Kojic S**, Vujanac M, Savic A, Stefanovic D. (1996) Novel DNA-binding protein from *Drosophila* embryos identified by binding site selection. *FEBS Letters*, 396(1):99-102.