## Objavljeni članci:

- Glunčić M., Vlahović I., Rosandić M., Paar V., Tandemly repeated NBPF HOR copies (Olduvai triplets): Possible impact on human brain evolution. *Life science alliance* 6:1. doi: 10.26508/lsa.202101306
- Glunčić M., Vlahović I., Rosandić M., Paar V., Tandem NBPF 3mer HORs (Olduvai triplets) in Neanderthal and two novel HOR tandem arrays in human chromosome 1 T2T-CHM13 assembly. *Scientific Reports* 13(1), 14420; doi: 10.1038/s41598-023-41517-3
- Rosandić M., Paar V., The Supersymmetry Genetic Code Table and Quadruplet Symmetries of DNA Molecules Are Unchangeable and Synchronized with Codon-Free Energy Mapping during Evolution. *Genes* 12;14(12):2200. doi: 10.3390/genes14122200.
- 4. Rosandić M., Paar V., **The Evolution of Life Is a Road Paved with the DNA Quadruplet Symmetry and the Supersymmetry Genetic Code**. *Int J Mol Sci* 24(15):12029. doi: 10.3390/ijms241512029.
- Glunčić M., Vlahović I., Mršić L., Paar V., Global Repeat Map (GRM) application: finding all DNA tandem repeat units. *Algorithms 15*(12), 458; https://doi.org/10.3390/a15120458
- Glunčić M., Vlahović I., Rosandić M., Paar V., Novel Concept of Alpha Satellite Cascading Higher-Order Repeats (HORs) and Precise Identification of 15mer and 20mer Cascading HORs in Complete T2T-CHM13 Assembly of Human Chromosome 15, Int. J. Mol. Sci. 25, 4395. https://doi.org/10.3390/ijms25084395

## Članci poslani u časopise:

 Glunčić M., Vlahović I., Rosandić M., Paar V., Precise identification of Cascading alpha satellite higher order repeats (HORs) in T2T-CHM13 assembly of human chromosome 3

Manuscript Title: Precise identification of Cascading alpha satellite higher order repeats (HORs) in T2T-CHM13 assembly of human chromosome 3

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## Poglavlje u knjizi:

Paar V., Vlahović I., Rosandić M., Glunčić M., **Global Repeat Map (GRM):** Advantageous Method for Discovery of Largest Higher-Order Repeats (HORs) in Neuroblastoma Breakpoint Family (NBPF) Genes, in Hornerin Exon and in Chromosome 21 Centromere. *Progress in molecular and subcellular biology* 60:203-2034. doi: 10.1007/978-3-030-74889-0\_8. https://pubmed.ncbi.nlm.nih.gov/34386877/