

Popis radova pristiglih na Natječaj za nagradu Branimir Jernej za 2021. godinu prema abecednom redu autora predloženih za nagradu:

1. Tadijan A, Humphries JD, Samaržija I, Stojanović N, Zha J, Čuljak K, Tomić M, Paradžik M, Nestić D, Kang H, Humphries MJ, **Ambriović-Ristov A** (2021) The Tongue Squamous Carcinoma Cell Line Cal27 Primarily Employs Integrin $\alpha 6\beta 4$ -Containing Type II Hemidesmosomes for Adhesion Which Contribute to Anticancer Drug Sensitivity. *Front. Cell Dev. Biol.* 9:786758. doi: 10.3389/fcell.2021.786758.
2. **Bukovac A**, Kafka A, Raguž M, Brlek P, Dragičević K, Müller D, **Pećina-Šlaus N**. Are We Benign? What Can Wnt Signaling Pathway and Epithelial to Mesenchymal Transition Tell Us about Intracranial Meningioma Progression. *Cancers* 2021, 13, 1633. doi.org/10.3390/cancers13071633.
3. **Čanković M**, Dutour-Sikirić M, Dupčić Radić I, Ciglenečki I. Bacterioneuston and Bacterioplankton Structure and Abundance in Two Trophically Distinct Marine Environments — a Marine Lake and the Adjacent Coastal Site on the Adriatic Sea. *Microbial Ecology*. doi.org/10.1007/s00248-021-01934-1.
4. **Despot-Slade E**, Mravinac B, Širca S, Castagnone-Sereno P, Plohl M, Meštrović N. The centromere histone is conserved and associated with tandem repeats sharing a conserved 19-bp box in the holocentromere of meloidogyne nematodes *Mol Biol Evol* 2021, 38, 1943.
5. **Jagrić M, Risteski P, Martinčić J**, Milas A, Tolic IM. Optogenetic control of PRC1 reveals its role in chromosome alignment on the spindle by overlap length-dependent forces . *eLife* 2021;10:e61170. DOI: <https://doi.org/10.7554/eLife.61170>.
6. **Konjevod M, Nedić Erjavec G**, Nikolac Perković M, Sáiz J, Tudor L, Uzun S, Kozumplik O, Svob Strac D, Zarkovic N, Pivac N. Metabolomics in posttraumatic stress disorder: Untargeted metabolomic analysis of plasma samples from Croatian war veterans. *Free Radical Biology*. doi.org/10.1016/j.freeradbiomed.2020.11.024.
7. Ilic K, Lin X, Malci A, Stojanović M, Puljko B, Rožman M, Vukelić Ž, Heffer M, Montag D, Schnaar RL, Schnaar RL, Kalanj-Bognar S, Herrera-Molina R, **Mlinac-Jerković K**. Plasma Membrane Calcium ATPase-Neuroplastin Complexes Are Selectively Stabilized in GM1-Containing Lipid Rafts. *Int. J. Mol. Sci.* 2021, 22, 13590. doi.org/10.3390/ijms222413590
8. Bermanec V, **Paradžik T**, Kazazić SP, Venter C, Hrenović J, Vujaklija D, Durand R, Boeve I, Boeve B. Novel arsenic hyper-resistant bacteria from an extreme environment, Crven Dol mine, Allchar, North Macedonia. *Journal of Hazardous Materials* 402 (2021) 123437. doi.org/10.1016/j.jhazmat.2020.123437.
9. **Pinterić M, Podgorski II**, Popović Hadžija M, Tartaro Bujak I, Tadijan A, Balog T, **Sobočanec S**. Chronic High Fat Diet Intake Impairs Hepatic Metabolic Parameters in

Ovariectomized Sirt3 KO Mice. *Int. J. Mol. Sci.* 2021, 22, 4277.
doi.org/10.3390/ijms22084277.

10. **Proust B**, Radić M, Škrobot Vidaček N, Cottet C, Attia S, Lamarche F, Ačkar L, Godinić Mikulčić V, Tokarska-Schlattner M, Ćetković H, Schlattner U, **Herak Bosnar M**. NME6 is a phosphotransfer-inactive, monomeric NME/NDPK family member and functions in complexes at the interface of mitochondrial inner membrane and matrix. *Cell & Bioscience* (2021) 11:195. doi.org/10.1186/s13578-021-00707-0.

11. **Sermek A**, Feliciello I, Ugarković Đ. Distinct Regulation of the Expression of Satellite DNAs in the Beetle *Tribolium castaneum*. *Int. J. Mol. Sci.* 2021, 22, 296.
doi.org/ijms22010296.

12. **Smilović D**, Rietsche M, Drakew A, Vuksic M, Deller T. Constitutive tumor necrosis factor (TNF)-deficiency causes a reduction in spine density in mouse dentate granule cells accompanied by homeostatic adaptations of spine head size. *J. Comp. Neurol.* 2021;1–14. 2021 DOI: 10.1002/cne.25237.

13. **Svedružić ŽM**, Vrbnjak K, Martinović M, Miletić V. Structural Analysis of the Simultaneous Activation and Inhibition of γ -Secretase Activity in the Development of Drugs for Alzheimer's Disease. *Pharmaceutics* 2021, 13, 514.
<https://doi.org/10.3390/pharmaceutics13040514>.

14. Tunjić-Cvitanić M, Pasantes JJ, García-Souto D, Cvitanić T, Plohl M, **Šatović-Vukšić E**. Satellitome Analysis of the Pacific Oyster *Crassostrea gigas* Reveals New Pattern of Satellite DNA Organization, Highly Scattered across the Genome. *Int. J. Mol. Sci.* 2021, 22, 6798.
<https://doi.org/10.3390/ijms22136798>.

15. **Tadijan A**, Precazzini F, Hanžić N, Radić M, Gavioli N, Vlašić I, Ozretić P, Pinto L, Škreblin L, Barban G, **Slade N**, Ciribilli Y. Altered Expression of Shorter p53 Family Isoforms Can Impact Melanoma Aggressiveness. *Cancers* 2021, 13, 5231.
<https://doi.org/10.3390/cancers13205231>.

16. **Žunić Išasegi I**, Kopić J, Smilović D, Krsnik Ž, Kostović I. Transient Subplate Sublayer Forms Unique Corridor for Differential Ingrowth of Associative Pulvinar and Primary Visual Projection in the Prospective Visual Cortical Areas of the Human Fetal Occipital Lobe Cerebral Cortex. 2021;00: 1–13. doi.org/10.1093/cercor/bhab197.

