

Popis radova prijavljenih za nagradu Branimir Jernej za 2022. godinu prema abecednom redu prijavljenih autora:

1. **Ivan Banovac**, Dora Sedmak, Monique Esclapez, Zdravko Petanjek: The Distinct Characteristics of Somatostatin Neurons in the Human Brain Molecular Neurobiology. <https://doi.org/10.1007/s12035-022-02892-6>
2. **Sandra Domitrovic Spudic, Matea Nikolac Perkovic**, Suzana Uzun, Gordana Nedic Erjavec, Oliver Kozumplik, Dubravka Svob Strac, Ninoslav Mimica, Nela Pivac: Reduced plasma BDNF concentration and cognitive decline in veterans with PTSD. *Psychiatry Research* 316 (2022) 114772.
3. **Andrea Hloušek-Kasun, Petra Mikolčević**, Johannes Gregor Matthias Rack, Callum Tromans-Coia, Marion Schuller, Gytis Jankevicius, Marija Matković, Branimir Bertoša, Ivan Ahel, Andreja Mikoč: *Streptomyces coelicolor* macrodomain hydrolase SCO6735 cleaves thymidine-linked ADP-ribosylation of DNA. *Comput Struct Biotechnol J.* 2022; 20: 4337–4350.
4. **Lucija Hok**, Hrvoje Rimac, Janez Mavri, Robert Vianello: COVID-19 infection and neurodegeneration: Computational evidence for interactions between the SARS-CoV-2 spike protein and monoamine oxidase enzymes. *Comput Struct Biotechnol J.* 2022; 20: 1254–1263
5. **Matea Kurtović**, Nikolina Piteša, Nenad Bartoniček, Petar Ozretić, Vesna Musani, Josipa Čonkaš, Tina Petrić, Cecile King, Maja Sabol: RNA-seq and ChIP-seq Identification of Unique and Overlapping Targets of GLI Transcription Factors in Melanoma Cell Lines *Cancers (Basel)* 2022 Sep; 14(18): 4540.
6. Evelin Despot-Slade, Saša Širca, Brankica Mravinac, Philippe Castagnone-Sereno, Miroslav Plohl, **Nevenka Meštrović**: Satellitome analyses in nematodes illuminate complex species history and show conserved features in satellite DNAs. *BMC Biol.* 2022; 20: 259.
7. **Lucia Nanić**, Andrea Cedilak, Nikolina Škrobot Vidaček, Florian Gruber, Miljenko Huzak, Michael Bader, Ivica Rubelj: In Vivo Skin Regeneration and Wound Healing Using Cell Micro-Transplantation. *Pharmaceutics.* 2022 Sep; 14(9): 1955.
8. **Davor Nestić**, Jerome Custers, Danijel Švec, **Dragomira Majhen**: Human Adenovirus Type 26 Infection Mediated by $\alpha\beta 3$ Integrin Is Caveolin-1-Dependent *Microbiol Spectr.* 2022 Jul-Aug; 10(4): e01097-22.
9. **Bastien Proust**, Martina Radić, Nikolina Škrobot Vidaček, Cecile Cottet, Stephane Attia, Frederic Lamarche, Lucija Ačkar, Vlatka Godinić Mikulčić, Malgorzata Tokarska-Schlattner, Helena Četković, Uwe Schlattner, **Maja Herak Bosnar**: 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.
10. **Valentina Štimac, Isabella Koprivec**, Martina Manenica, Juraj Simunić, Iva M Tolić: Augmin prevents merotelic attachments by promoting proper arrangement of bridging and kinetochore fibers. *eLife* 2022;11:e83287.