

TOP 1

1. GAVILAN, H., S. K. AVUGADDA, T. FERNANDEZ-CABADA, N. SONI, et al. Magnetic nanoparticles and clusters for magnetic hyperthermia: optimizing their heat performance and developing combinatorial therapies to tackle cancer. *Chemical Society Reviews*, Oct 2021, 50(20), 11614-11667.

TOP 5

2. DE ROJAS, I., S. MORENO-GRAU, N. TESI, B. GRENIER-BOLEY, et al. Common variants in Alzheimer's disease and risk stratification by polygenic risk scores. *Nature Communications*, Jun 2021, 12(1), 16.
3. FROBERT, O., M. GOTBERG, D. ERLINGE, Z. AKHTAR, et al. Influenza Vaccination After Myocardial Infarction: A Randomized, Double-Blind, Placebo-Controlled, Multicenter Trial. *Circulation*, Nov 2021, 144(18), 1476-1484.
4. HESS, D., V. DOCKALOVA, P. KOKKONEN, D. BEDNAR, et al. Exploring mechanism of enzyme catalysis by on-chip transient kinetics coupled with global data analysis and molecular modeling. *Chem*, Apr 2021, 7(4), 1066-1079.
5. KIMURA, T., M. BOSAKOVA, Y. NONAKA, E. HRUBA, et al. An RNA aptamer restores defective bone growth in FGFR3-related skeletal dysplasia in mice. *Science Translational Medicine*, May 2021, 13(592), 14.
6. MASAROVA, L., M. L. MOJICA-PISCIOTTI, R. PANOVSKY, V. KINCL, et al. Decreased Global Strains of LV in Asymptomatic Female Duchenne Muscular Dystrophy Gene Carriers Using CMR-FT. *Jacc-Cardiovascular Imaging*, May 2021, 14(5), 1070-1072.
7. MISHRA, A., H. MIRZAEI, N. GUIDI, M. VINCIGUERRA, et al. Fasting-mimicking diet prevents high-fat diet effect on cardiometabolic risk and lifespan. *Nature Metabolism*, Oct 2021, 3(10), 1342-+.
8. MUSIL, M., R. T. KHAN, A. BEIER, J. STOURAC, et al. FireProt(ASR): A Web Server for Fully Automated Ancestral Sequence Reconstruction. *Briefings in Bioinformatics*, Jul 2021, 22(4), 11.
9. OSPEL, J. M., B. K. MENON, W. QIU, N. KASHANI, et al. A Detailed Analysis of Infarct Patterns and Volumes at 24-hour Noncontrast CT and Diffusion-weighted MRI in Acute Ischemic Stroke Due to Large Vessel Occlusion: Results from the ESCAPE-NA1 Trial. *Radiology*, Jul 2021b, 300(1), 152-159.
10. PERESTRELO, A. R., A. C. SILVA, J. OLIVER-DE LA CRUZ, F. MARTINO, et al. Multiscale Analysis of Extracellular Matrix Remodeling in the Failing Heart. *Circulation Research*, Jan 2021, 128(1), 24-38.
11. PLANAS-IGLESIAS, J., S. M. MARQUES, G. P. PINTO, M. MUSIL, et al. Computational design of enzymes for biotechnological applications. *Biotechnology Advances*, Mar-Apr 2021, 47, 22.
12. RADASZKIEWICZ, T., M. NOSKOVA, K. GOMORYOVA, O. V. BLANAROVA, et al. RNF43 inhibits WNT5A-driven signaling and suppresses melanoma invasion and resistance to the targeted therapy. *Elife*, Oct 2021, 10, 41.
13. SHOAMANESH, A., R. G. HART, S. J. CONNOLLY, S. E. KASNER, et al. Microbleeds and the Effect of Anticoagulation in Patients With Embolic Stroke of Undetermined Source An Exploratory Analysis of the NAVIGATE ESUS Randomized Clinical Trial. *Jama Neurology*, Jan 2021, 78(1), 11-20.

14. SCHENKMAYEROVA, A., G. P. PINTO, M. TOUL, M. MAREK, et al. Engineering the protein dynamics of an ancestral luciferase. *Nature Communications*, Jun 2021, 12(1), 16.
15. SIMEK, M., K. NESPOROVA, A. KOCURKOVA, T. FOGLOVA, et al. How the molecular weight affects the in vivo fate of exogenous hyaluronan delivered intravenously: A stable-isotope labelling strategy. *Carbohydrate Polymers*, Jul 2021, 263, 10.
16. SPIREK, M., M. R. G. TAYLOR, O. BELAN, S. J. BOULTON, et al. Nucleotide proofreading functions by nematode RAD51 paralogs facilitate optimal RAD51 filament function. *Nature Communications*, Sep 2021, 12(1), 12.
17. STOURAC, J., J. DUBRAVA, M. MUSIL, J. HORACKOVA, et al. FireProt(DB): database of manually curated protein stability data. *Nucleic Acids Research*, Jan 2021, 49(D1), D319-D324.
18. SZKLANNY, A. A., M. MACHOUR, I. REDENSKI, V. CHOCHOLA, et al. 3D Bioprinting of Engineered Tissue Flaps with Hierarchical Vessel Networks (VesselNet) for Direct Host-To-Implant Perfusion. *Advanced Materials*, Oct 2021, 33(42), 19.
19. VALLES, A., M. M. EVERS, A. STAM, M. SOGORB-GONZALEZ, et al. Widespread and sustained target engagement in Huntington's disease minipigs upon intrastriatal microRNA-based gene therapy. *Science Translational Medicine*, Apr 2021, 13(588), 12.
20. XUE, C. Y., L. MOLNAROVA, J. B. STEINFELD, W. X. ZHAO, et al. Single-molecule visualization of human RECQ5 interactions with single-stranded DNA recombination intermediates. *Nucleic Acids Research*, Jan 2021, 49(1), 285-305.
21. ZHOU, B., R. M. CARRILLO-LARCO, G. DANAEI, L. M. RILEY, et al. Worldwide trends in hypertension prevalence and progress in treatment and control from 1990 to 2019: a pooled analysis of 1201 population-representative studies with 104 million participants. *Lancet*, Sep 2021, 398(10304), 957-980.

TOP 10

22. AHMED, N., M. MAZYA, A. P. NUNES, T. MOREIRA, et al. Safety and outcomes of routine endovascular thrombectomy in large artery occlusion recorded in the SITS Register: An observational study. *Journal of Internal Medicine*, Sep 2021a, 290(3), 646-654.
23. AHMED, N., M. MAZYA, A. P. NUNES, T. MOREIRA, et al. Safety and Outcomes of Thrombectomy in Ischemic Stroke With vs Without IV Thrombolysis. *Neurology*, Aug 2021b, 97(8), E765-E776.
24. GORECKI, L., A. MISIACHNA, J. DAMBORSKY, R. DOLEZAL, et al. Structure-activity relationships of dually-acting acetylcholinesterase inhibitors derived from tacrine on N-methyl-D-Aspartate receptors. *European Journal of Medicinal Chemistry*, Jul 2021, 219, 16.
25. HON, J., M. MARUSIAK, T. MARTINEK, A. KUNKA, et al. SoluProt: prediction of soluble protein expression in *Escherichia coli*. *Bioinformatics*, Jan 2021, 37(1), 23-28.
26. MARKOVA, K., A. KUNKA, K. CHMELOVA, M. HAVLASEK, et al. Computational Enzyme Stabilization Can Affect Folding Energy Landscapes and Lead to Catalytically Enhanced Domain-Swapped Dimers. *Acs Catalysis*, Nov 2021, 11(21), 12864-12885.
27. MARTINKOVA, J., F. C. QUEVENCO, H. KARCHER, A. FERRARI, et al. Proportion of Women and Reporting of Outcomes by Sex in Clinical Trials for Alzheimer Disease A Systematic Review and Meta-analysis. *Jama Network Open*, Sep 2021, 4(9), 17.
28. MAZUR, A., T. PRUDNIKOVA, P. GRINKEVICH, J. R. MESTERS, et al. The tetrameric structure of the novel haloalkane dehalogenase DpaA from *Paraglaciecola agarilytica* NO2. *Acta Crystallographica Section D-Structural Biology*, Mar 2021b, 77, 347-356.
29. NELSON, M. E., D. J. JESTER, A. J. PETKUS AND R. ANDEL Cognitive Reserve, Alzheimer's Neuropathology, and Risk of Dementia: A Systematic Review and Meta-Analysis. *Neuropsychology Review*, Jun 2021b, 31(2), 233-250.
30. NEMEC, V., L. MAIER, B. T. BERGER, A. CHAIKUAD, et al. Highly selective inhibitors of protein kinases CLK and HIPK with the furo 3,2-b pyridine core. *European Journal of Medicinal Chemistry*, Apr 2021, 215, 8.
31. NOGUEIRA, R. G., M. M. QURESHI, M. ABDALKADER, S. O. MARTINS, et al. Global Impact of COVID-19 on Stroke Care and IV Thrombolysis. *Neurology*, Jun 2021, 96(23), E2824-E2838.
32. OHARA, T., B. K. MENON, F. S. AL-AJLAN, M. HORN, et al. Thrombus Migration and Fragmentation After Intravenous Alteplase Treatment The INTERRSeCT Study. *Stroke*, Jan 2021, 52(1), 203-212.
33. PAGLIARI, S., V. VINARSKY, F. MARTINO, A. R. PERESTRELO, et al. YAP-TEAD1 control of cytoskeleton dynamics and intracellular tension guides human pluripotent stem cell mesoderm specification. *Cell Death and Differentiation*, Apr 2021, 28(4), 1193-1207.
34. RAPP, L. R., S. M. MARQUES, E. ZUKIC, B. ROWLINSON, et al. Substrate Anchoring and Flexibility Reduction in CYP153A(M.aq) Leads to Highly Improved Efficiency toward Octanoic Acid. *Acs Catalysis*, Mar 2021, 11(5), 3182-3189.
35. SCHUITEN, E. D., C. P. S. BADENHORST, G. J. PALM, L. BERNDT, et al. Promiscuous Dehalogenase Activity of the Epoxide Hydrolase CorEH from *Corynebacterium* sp. C12. *Acs Catalysis*, May 2021, 11(10), 6113-6120.

36. VAN DEN BERG, M. H., M. VAN DIJK, J. BYRNE, C. BERGER, et al. Treatment-related fertility impairment in long-term female childhood, adolescent and young adult cancer survivors: investigating dose-effect relationships in a European case-control study (PanCareLIFE). *Human Reproduction*, Jun 2021, 36(6), 1561-1573.
37. VAN DER KOOI, A., M. VAN DIJK, L. BROER, M. H. VAN DEN BERG, et al. Possible modification of BRSK1 on the risk of alkylating chemotherapy-related reduced ovarian function. *Human Reproduction*, Apr 2021, 36(4), 1120-1133.
38. VASILE, V. C., J. W. MEEUSEN, J. R. M. INOJOSA, L. J. DONATO, et al. Ceramide Scores Predict Cardiovascular Risk in the Community. *Arteriosclerosis Thrombosis and Vascular Biology*, Apr 2021, 41(4), 1558-1569.

Q1

39. AMLEROVA, J., J. SROUBEK, F. ANGELUCCI AND J. HORT Evidences for a Role of Gut Microbiota in Pathogenesis and Management of Epilepsy. *International Journal of Molecular Sciences*, Jun 2021, 22(11), 14.
40. BARTAKOVA, A. AND M. NOVAKOVA Secondary Metabolites of Plants as Modulators of Endothelium Functions. *International Journal of Molecular Sciences*, Mar 2021, 22(5), 27.
41. BENNETT, J. P. AND I. G. ONYANGO Energy, Entropy and Quantum Tunneling of Protons and Electrons in Brain Mitochondria: Relation to Mitochondrial Impairment in Aging-Related Human Brain Diseases and Therapeutic Measures. *Biomedicines*, Feb 2021, 9(2), 20.
42. CAPKOVA, N., V. POSPISILOVA, V. FEDOROVA, J. RASKA, et al. The Effects of Bilirubin and Lumirubin on the Differentiation of Human Pluripotent Cell-Derived Neural Stem Cells. *Antioxidants*, Oct 2021, 10(10), 16.
43. CARTER, R. N., M. T. G. GIBBINS, M. E. BARRIOS-LLERENA, S. E. WILKIE, et al. The hepatic compensatory response to elevated systemic sulfide promotes diabetes. *Cell Reports*, Nov 2021, 37(6), 28.
44. CURILA, K., P. JURAK, M. JASTRZEBSKI, F. PRINZEN, et al. Left bundle branch pacing compared to left ventricular septal myocardial pacing increases interventricular dyssynchrony but accelerates left ventricular lateral wall depolarization. *Heart Rhythm*, Aug 2021b, 18(8), 1281-1289.
45. CURILA, K., P. JURAK, K. VERNOOY, M. JASTRZEBSKI, et al. Left Ventricular Myocardial Septal Pacing in Close Proximity to LBB Does Not Prolong the Duration of the Left Ventricular Lateral Wall Depolarization Compared to LBB Pacing. *Frontiers in Cardiovascular Medicine*, Dec 2021c, 8, 10.
46. FABIAN, I. D., A. W. STACEY, A. FOSTER, T. T. KIVELA, et al. Travel burden and clinical presentation of retinoblastoma: analysis of 1024 patients from 43 African countries and 518 patients from 40 European countries. *British Journal of Ophthalmology*, Oct 2021, 105(10), 1435-1443.
47. FOJTIK, P., D. BECKEROVA, K. HOLOMKOVA, M. SENFLUK, et al. Both Hypoxia-Inducible Factor 1 and MAPK Signaling Pathway Attenuate PI3K/AKT via Suppression of Reactive Oxygen Species in Human Pluripotent Stem Cells. *Frontiers in Cell and Developmental Biology*, Jan 2021, 8, 18.
48. FROHLICH, J., G. N. CHALDAKOV AND M. VINCIGUERRA Cardio- and Neurometabolic Adipobiology: Consequences and Implications for Therapy. *International Journal of Molecular Sciences*, Apr 2021a, 22(8), 15.
49. GIALLONGO, S., O. LO RE, G. LOCHMANOVA, L. PARCA, et al. Phosphorylation within Intrinsic Disordered Region Discriminates Histone Variant macroH2A1 Splicing Isoforms-macroH2A1.1 and macroH2A1.2. *Biology-Basel*, Jul 2021a, 10(7), 13.
50. GIALLONGO, S., D. REHAKOVA, M. RAFFAELE, O. LO RE, et al. Redox and Epigenetics in Human Pluripotent Stem Cells Differentiation. *Antioxidants & Redox Signaling*, Feb 2021b, 34(4), 335-349.
51. GOLUNOVA, A., N. VELYCHKIVSKA, Z. MIKSOVSKA, V. CHOCHOLA, et al. Direct and Indirect Biomimetic Peptide Modification of Alginate: Efficiency, Side Reactions, and Cell Response. *International Journal of Molecular Sciences*, Jun 2021, 22(11), 16.
52. GREGG, N. M., V. SLADKY, P. NEJEDLY, F. MIVALT, et al. Thalamic deep brain stimulation modulates cycles of seizure risk in epilepsy. *Scientific Reports*, Dec 2021, 11(1), 12.

53. HARSANY, M., M. BAR, D. CERNIK, R. HERZIG, et al. One-Stop Management to Initiate Thrombolytic Treatment on the Computed Tomography Table Adoption and Results. *Journal of Stroke*, Sep 2021, 23(3), 437-+.
54. HAVRANKOVA, E., E. M. PENA-MENDEZ, J. CSOLLEI AND J. HAVEL Prediction of biological activity of compounds containing a 1,3,5-triazinyl sulfonamide scaffold by artificial neural networks using simple molecular descriptors. *Bioorganic Chemistry*, Feb 2021, 107, 15.
55. HLINOMAZ, O., Z. MOTOVSKA, J. KNOT, R. MIKLIK, et al. Stent Selection for Primary Angioplasty and Outcomes in the Era of Potent Antiplatelets. Data from the Multicenter Randomized Prague-18 Trial. *Journal of Clinical Medicine*, Nov 2021, 10(21), 12.
56. HORTOVA-KOHOUTKOVA, M., M. DE ZUANI, P. LAZNICKOVA, K. BENDICKOVA, et al. Polymorphonuclear Cells Show Features of Dysfunctional Activation During Fatal Sepsis. *Frontiers in Immunology*, Dec 2021a, 12, 12.
57. HROMADKA, M., Z. MOTOVSKA, O. HLINOMAZ, P. KALA, et al. MiR-126-3p and MiR-223-3p as Biomarkers for Prediction of Thrombotic Risk in Patients with Acute Myocardial Infarction and Primary Angioplasty. *Journal of Personalized Medicine*, Jun 2021, 11(6), 12.
58. HUSSAIN, S., A. RIAD, A. SINGH, J. KLUGAROVA, et al. Global Prevalence of COVID-19-Associated Mucormycosis (CAM): Living Systematic Review and Meta-Analysis. *Journal of Fungi*, Nov 2021, 7(11), 16.
59. HYZDALOVA, M., J. PROCHAZKOVA, S. STRAPACOVA, L. SVRZKOVA, et al. A prolonged exposure of human lung carcinoma epithelial cells to benzo a pyrene induces p21-dependent epithelial-to-mesenchymal transition (EMT)-like phenotype. *Chemosphere*, Jan 2021, 263, 15.
60. CHEN, Q., Z. QING, J. X. JIN, Y. SUN, et al. Ego- and allo-network disconnection underlying spatial disorientation in subjective cognitive decline. *Cortex*, Apr 2021a, 137, 35-48.
61. CHEN, Q., S. C. WU, X. LI, Y. SUN, et al. Basal Forebrain Atrophy Is Associated With Allocentric Navigation Deficits in Subjective Cognitive Decline. *Frontiers in Aging Neuroscience*, Feb 2021b, 13, 13.
62. JADCZYK, T., R. KURZELOWSKI, K. S. GOLBA, J. WILCZEK, et al. Local electromechanical alterations determine the left ventricle rotational dynamics in CRT-eligible heart failure patients. *Scientific Reports*, Feb 2021a, 11(1), 15.
63. JADCZYK, T., W. WOJAKOWSKI, M. TENDERA, T. D. HENRY, et al. Artificial Intelligence Can Improve Patient Management at the Time of a Pandemic: The Role of Voice Technology. *Journal of Medical Internet Research*, May 2021b, 23(5), 11.
64. JACHAK, G. R., P. R. THARRA, P. SEVELDA AND J. SVENDA Stereocontrolled Synthesis of Pseurotin A(2). *Journal of Organic Chemistry*, Sep 2021, 86(17), 11845-11861.
65. JELINKOVA, S., Y. SLEIMAN, P. FOJTIK, F. AIMOND, et al. Dystrophin Deficiency Causes Progressive Depletion of Cardiovascular Progenitor Cells in the Heart. *International Journal of Molecular Sciences*, May 2021, 22(9), 20.
66. JURAK, P., L. R. BEAR, U. C. NGUYEN, I. VISCOR, et al. 3-Dimensional ventricular electrical activation pattern assessed from a novel high-frequency electrocardiographic imaging technique: principles and clinical importance. *Scientific Reports*, Jun 2021, 11(1), 11.
67. KVOKACKOVA, B., J. REMSIK, M. K. JOLLY AND K. SOUCEK Phenotypic Heterogeneity of Triple-Negative Breast Cancer Mediated by Epithelial-Mesenchymal Plasticity. *Cancers*, May 2021, 13(9), 20.

68. KYR, M., A. SVOBODNIK, R. STEPANOVA AND R. HEJNOVA N-of-1 Trials in Pediatric Oncology: From a Population-Based Approach to Personalized Medicine-A Review. *Cancers*, Nov 2021, 13(21), 18.
69. LI, W. P., H. ZHAO, Z. QING, Z. NEDELSKA, et al. Disrupted Network Topology Contributed to Spatial Navigation Impairment in Patients With Mild Cognitive Impairment. *Frontiers in Aging Neuroscience*, Jun 2021, 13, 8.
70. MAHDAL, M., J. NERADIL, P. MUDRY, S. PAUKOVCEKOVA, et al. New Target for Precision Medicine Treatment of Giant-Cell Tumor of Bone: Sunitinib Is Effective in the Treatment of Neoplastic Stromal Cells with Activated PDGFR beta Signaling. *Cancers*, Jul 2021, 13(14), 15.
71. MARGIOTTA, A. All Good Things Must End: Termination of Receptor Tyrosine Kinase Signal. *International Journal of Molecular Sciences*, Jun 2021a, 22(12), 14.
72. MARQUES, S. M., J. PLANAS-IGLESIAS AND J. DAMBORSKY Web-based tools for computational enzyme design. *Current Opinion in Structural Biology*, Aug 2021a, 69, 19-34.
73. MARQUES, S. M., L. SUPOLIKOVA, L. MOLCANOVA, K. SMEJKAL, et al. Screening of Natural Compounds as P-Glycoprotein Inhibitors against Multidrug Resistance. *Biomedicines*, Apr 2021b, 9(4), 22.
74. MATUSKOVA, V., Z. ISMAIL, T. NIKOLAI, H. MARKOVA, et al. Mild Behavioral Impairment Is Associated With Atrophy of Entorhinal Cortex and Hippocampus in a Memory Clinic Cohort. *Frontiers in Aging Neuroscience*, May 2021, 13, 9.
75. MAZUR, A., P. GRINKEVICH, R. CHALOUPOKOVA, P. HAVLICKOVA, et al. Structural Analysis of the Ancestral Haloalkane Dehalogenase AncLinB-DmbA. *International Journal of Molecular Sciences*, Nov 2021a, 22(21), 14.
76. MEDINA-INOJOSA, J. R., S. L. GRACE, M. SUPERVIA, G. STOKIN, et al. Dose of Cardiac Rehabilitation to Reduce Mortality and Morbidity: A Population-Based Study. *Journal of the American Heart Association*, Oct 2021, 10(20), 14.
77. MEIJER, A. J. M., F. A. DIEPSTRATEN, T. LANGER, L. BROER, et al. TCERG1L allelic variation is associated with cisplatin-induced hearing loss in childhood cancer, a PanCareLIFE study. *Npj Precision Oncology*, Jul 2021, 5(1), 8.
78. MICKOVA, A., G. KHARAIHVILI, D. KURFURSTOVA, M. GACHECHILADZE, et al. Skp2 and Slug Are Coexpressed in Aggressive Prostate Cancer and Inhibited by Neddylation Blockade. *International Journal of Molecular Sciences*, Mar 2021, 22(6), 12.
79. MILITARU, S., R. PANOVSKEY, V. HANET, M. S. AMZULESCU, et al. Multivendor comparison of global and regional 2D cardiovascular magnetic resonance feature tracking strains vs tissue tagging at 3T. *Journal of Cardiovascular Magnetic Resonance*, May 2021, 23(1), 16.
80. MISZCZYK, M., T. JADCZYK, K. GOLBA, W. WOJAKOWSKI, et al. Clinical Evidence behind Stereotactic Radiotherapy for the Treatment of Ventricular Tachycardia (STAR)-A Comprehensive Review. *Journal of Clinical Medicine*, Mar 2021, 10(6), 16.
81. MOSEJOVA, E., R. BOSNJAKOVIC, L. KUBALA AND O. VASICEK Pseurotin D Induces Apoptosis through Targeting Redox Sensitive Pathways in Human Lymphoid Leukemia Cells. *Antioxidants*, Oct 2021, 10(10), 16.
82. MRAZEK, J., J. KOHOUT, T. KMJEC, K. NESPOROVA, et al. Insoluble hyaluronan films obtained by heterogeneous crosslinking with iron(III) as resorbable implants. *International Journal of Biological Macromolecules*, Nov 2021, 191, 201-210.

83. NEMCOVA, A., R. SMISEK, M. VITEK AND M. NOVAKOVA Pathologies affect the performance of ECG signals compression. *Scientific Reports*, May 2021, 11(1), 9.
84. NIKITIN, D., S. CHOI, J. MICAN, M. TOUL, et al. Development and Testing of Thrombolytics in Stroke. *Journal of Stroke*, Jan 2021, 23(1), 12-36.
85. ONYANGO, I. G., G. V. JAUREGUI, M. CARNA, J. P. BENNETT, et al. Neuroinflammation in Alzheimer's Disease. *Biomedicines*, May 2021c, 9(5), 38.
86. OWOLABI, M. O., A. G. THRIFT, S. MARTINS, W. JOHNSON, et al. The state of stroke services across the globe: Report of World Stroke Organization-World Health Organization surveys. *International Journal of Stroke*, Oct 2021, 16(8), 889-901.
87. PAVLOVSKA, I., A. POLCROVA, J. I. MECHANICK, J. BROZ, et al. Dysglycemia and Abnormal Adiposity Drivers of Cardiometabolic-Based Chronic Disease in the Czech Population: Biological, Behavioral, and Cultural/Social Determinants of Health. *Nutrients*, Jul 2021b, 13(7), 17.
88. PINTO, G. P., O. VAVRA, S. M. MARQUES, J. FILIPOVIC, et al. Screening of world approved drugs against highly dynamical spike glycoprotein of SARS-CoV-2 using CaverDock and machine learning. *Computational and Structural Biotechnology Journal*, 2021, 19, 3187-3197.
89. RAMOS, H., M. I. L. SOARES, J. SILVA, L. RAIMUNDO, et al. A selective p53 activator and anticancer agent to improve colorectal cancer therapy. *Cell Reports*, Apr 2021, 35(2), 24.
90. ROMANO, R., M. CALCAGNILE, A. MARGIOTTA, L. FRANCI, et al. RAB7A Regulates Vimentin Phosphorylation through AKT and PAK. *Cancers*, May 2021, 13(9), 22.
91. ROMITO, I., M. PORRU, M. R. BRAGHINI, L. POMPILI, et al. Focal adhesion kinase inhibitor TAE226 combined with Sorafenib slows down hepatocellular carcinoma by multiple epigenetic effects. *Journal of Experimental & Clinical Cancer Research*, Nov 2021, 40(1), 19.
92. RONZHINA, M., T. STRACINA, L. LACINOVA, K. ONDACOVA, et al. Di-4-ANEPPS Modulates Electrical Activity and Progress of Myocardial Ischemia in Rabbit Isolated Heart. *Frontiers in Physiology*, Jun 2021, 12, 15.
93. RUBANOVA, D., P. DADOVA, O. VASICEK AND L. KUBALA Pseurotin D Inhibits the Activation of Human Lymphocytes. *International Journal of Molecular Sciences*, Feb 2021, 22(4), 14.
94. SEEBACHER, N. A., M. KRCHNIAKOVA, A. E. STACY, J. SKODA, et al. Tumour Microenvironment Stress Promotes the Development of Drug Resistance. *Antioxidants*, Nov 2021, 10(11), 32.
95. SILVESTRI, N., H. GAVILAN, P. GUARDIA, R. BRESCIA, et al. Di- and tri-component spinel ferrite nanocubes: synthesis and their comparative characterization for theranostic applications. *Nanoscale*, Aug 2021, 13(32), 13665-13680.
96. SITINA, M., H. STARK AND S. SCHUSTER Calculating the optimal hematocrit under the constraint of constant cardiac power. *Scientific Reports*, Feb 2021, 11(1), 11.
97. SOUIDI, M., Y. SLEIMAN, I. ACIMOVIC, J. PRIBYL, et al. Oxygen Is an Ambivalent Factor for the Differentiation of Human Pluripotent Stem Cells in Cardiac 2D Monolayer and 3D Cardiac Spheroids. *International Journal of Molecular Sciences*, Jan 2021, 22(2), 19.
98. THALEROVA, S., M. PESKOVA, P. KITTOVA, S. GULATI, et al. Effect of Apixaban Pretreatment on Alteplase-Induced Thrombolysis: An In Vitro Study. *Frontiers in Pharmacology*, Sep 2021, 12, 8.
99. TIDU, F., M. DE ZUANI, S. S. JOSE, K. BENDICKOVA, et al. NFAT signaling in human mesenchymal stromal cells affects extracellular matrix remodeling and antifungal immune responses. *Iscience*, Jun 2021, 24(6), 24.

100. VAN DER PERK, M. E. M., L. BROER, Y. YASUI, L. L. ROBISON, et al. Effect of Genetic Variation in CYP450 on Gonadal Impairment in a European Cohort of Female Childhood Cancer Survivors, Based on a Candidate Gene Approach: Results from the PanCareLIFE Study. *Cancers*, Sep 2021, 13(18), 21.
101. VAN KALSBECK, R. J., H. J. H. VAN DER PAL, L. HJORTH, J. F. WINTHER, et al. The European multistakeholder PanCareFollowUp project: novel, person-centred survivorship care to improve care quality, effectiveness, cost-effectiveness and accessibility for cancer survivors and caregivers. *European Journal of Cancer*, Aug 2021a, 153, 74-85.
102. VAN KALSBECK, R. J., H. J. H. VAN DER PAL, L. C. M. KREMER, E. BARDI, et al. European PanCareFollowUp Recommendations for surveillance of late effects of childhood, adolescent, and young adult cancer. *European Journal of Cancer*, Sep 2021b, 154, 316-328.
103. VIGASOVA, D., M. NEMERGUT, B. LISKOVA AND J. DAMBORSKY Multi-pathogen infections and Alzheimer's disease. *Microbial Cell Factories*, Jan 2021, 20(1), 13.
104. VRBSKY, J., V. VINARSKY, A. R. PERESTRELO, J. O. DE LA CRUZ, et al. Evidence for discrete modes of YAP1 signaling via mRNA splice isoforms in development and diseases. *Genomics*, May 2021, 113(3), 1349-1365.
105. VYMAZAL, O., K. BENDICKOVA, M. DE ZUANI, M. VLKOVA, et al. Immunosuppression Affects Neutrophil Functions: Does Calcineurin-NFAT Signaling Matter? *Frontiers in Immunology*, Nov 2021, 12, 9.

Q2

106. BARLINN, K., S. JAKUBICEK, T. SIEPMANN, O. Y. CHERNYSHEV, et al. Autotitrating Bilevel Positive Airway Pressure in Large Vessel Steno-Occlusive Stroke Patients With Suspected Sleep Apnea: A Multicenter Randomized Controlled Study. *Frontiers in Neurology*, Apr 2021, 12, 6.
107. CABIBI, D., C. NAPOLITANO, A. G. GIANNONE, M. C. MICCIULLA, et al. Predictive Role of the p16 Immunostaining Pattern in Atypical Cervical Biopsies with Less Common High Risk HPV Genotypes. *Diagnostics*, Nov 2021, 11(11), 8.
108. CERMAK, V., A. SKARKOVA, L. MERTA, V. KOLOMAZNIKOVA, et al. RNA-seq Characterization of Melanoma Phenotype Switch in 3D Collagen after p38 MAPK Inhibitor Treatment. *Biomolecules*, Mar 2021, 11(3), 13.
109. COCKOVA, Z., O. HONC, P. TELENSKY, M. J. OLSEN, et al. Streptozotocin-Induced Astrocyte Mitochondrial Dysfunction Is Ameliorated by FTO Inhibitor MO-I-500. *Acs Chemical Neuroscience*, Oct 2021, 12(20), 3818-3828.
110. DE ZUANI, M., M. HORTOVA-KOHOUTKOVA, I. ANDREJCINOVA, V. TOMASKOVA, et al. Human myeloid-derived suppressor cell expansion during sepsis is revealed by unsupervised clustering of flow cytometric data. *European Journal of Immunology*, Jul 2021, 51(7), 1785-1791.
111. DITTNER-MOORMANN, S., M. RESCHKE, F. C. H. ABBINK, I. AERTS, et al. Adjuvant therapy of histopathological risk factors of retinoblastoma in Europe: A survey by the European Retinoblastoma Group (EURbG). *Pediatric Blood & Cancer*, Jun 2021, 68(6), 9.
112. DUCKA, M., M. KUCERIKOVA, F. TRCKA, J. CERVINKA, et al. c-Myb interferes with inflammatory IL1 alpha-NF-kappa B pathway in breast cancer cells. *Neoplasia*, Mar 2021, 23(3), 326-336.
113. FERREIRA, D., Z. NEDELSKA, J. GRAFF-RADFORD, S. A. PRZYBELSKI, et al. Cerebrovascular disease, neurodegeneration, and clinical phenotype in dementia with Lewy bodies. *Neurobiology of Aging*, Sep 2021, 105, 252-261.
114. FRANEK, M., A. KILAR, P. FOJTIK, M. OLSINOVA, et al. Super-resolution microscopy of chromatin fibers and quantitative DNA methylation analysis of DNA fiber preparations. *Journal of Cell Science*, Aug 2021, 134(15), 14.
115. FREDERIKSEN, K. S., T. R. NIELSEN, I. APPOLLONIO, B. B. ANDERSEN, et al. Biomarker counseling, disclosure of diagnosis and follow-up in patients with mild cognitive impairment: A European Alzheimer's disease consortium survey. *International Journal of Geriatric Psychiatry*, Feb 2021, 36(2), 324-333.
116. FROHLICH, J., T. MAZZA, C. SOBOLEWSKI, M. FOTI, et al. GDF11 rapidly increases lipid accumulation in liver cancer cells through ALK5-dependent signaling. *Biochimica Et Biophysica Acta-Molecular and Cell Biology of Lipids*, Jun 2021b, 1866(6), 15.
117. GORI, M., S. M. GIANNITELLI, A. ZANCLA, P. MOZETIC, et al. Quercetin and hydroxytyrosol as modulators of hepatic steatosis: A NAFLD-on-a-chip study. *Biotechnology and Bioengineering*, Jan 2021, 118(1), 142-152.
118. HORTOVA-KOHOUTKOVA, M., P. LAZNICKOVA AND J. FRIC How immune-cell fate and function are determined by metabolic pathway choice The bioenergetics underlying the immune response. *Bioessays*, Feb 2021b, 43(2), 15.

119. CHIODI, V., M. R. DOMENICI, T. BIAGINI, R. DE SIMONE, et al. Systemic depletion of histone macroH2A1.1 boosts hippocampal synaptic plasticity and social behavior in mice. *Faseb Journal*, Aug 2021, 35(8), 14.
120. IERMAK, I., O. DEGTJARIK, P. HAVLICKOVA, M. KUTY, et al. Description of Transport Tunnel in Haloalkane Dehalogenase Variant LinB D147C+L177C from *Sphingobium japonicum*. *Catalysts*, Jan 2021, 11(1), 15.
121. KASICKOVA, L., K. T. LIN, O. VOLNY, M. CABAL, et al. Content Analysis of Stroke Teleconsultation Recordings in the Moravian-Silesian Region, Czech Republic. *Frontiers in Neurology*, Sep 2021, 12, 5.
122. KELBICH, P., A. HEJCL, J. KREJSEK, T. RADOVNICKY, et al. Development of the Cerebrospinal Fluid in Early Stage after Hemorrhage in the Central Nervous System. *Life-Basel*, Apr 2021, 11(4), 11.
123. KOBESOVA, A., R. ANDEL, K. CIZKOVA, P. KOLAR, et al. Can Exercise Targeting Mid-Thoracic Spine Segmental Movement Reduce Back Pain and Improve Sensory Perception in Cross-Country Skiers? *Clinical Journal of Sport Medicine*, Mar 2021, 31(2), E86-E94.
124. KRELL-ROESCH, J., J. A. SYRJANEN, M. VASSILAKI, V. J. LOWE, et al. Brain Regional Glucose Metabolism, Neuropsychiatric Symptoms, and the Risk of Incident Mild Cognitive Impairment: The Mayo Clinic Study of Aging. *American Journal of Geriatric Psychiatry*, Feb 2021b, 29(2), 179-191.
125. KREMENKOVA, L., J. S. NOVOTNY AND J. KVINTOVA Two Waves of COVID-19 in University Setting: Mental Health and Underlying Risk Factors. *Frontiers in Psychology*, Dec 2021, 12, 10.
126. LECH, M., B. M. BERRY, C. TOPCU, V. KREMEN, et al. Direct Electrical Stimulation of the Human Brain Has Inverse Effects on the Theta and Gamma Neural Activities. *Ieee Transactions on Biomedical Engineering*, Dec 2021, 68(12), 3701-3712.
127. LUKJANOV, V., I. KOUTNA AND P. SIMARA CAR T-Cell Production Using Nonviral Approaches. *Journal of Immunology Research*, Mar 2021, 2021, 9.
128. MARGIOTTA, A. Role of SNAREs in Neurodegenerative Diseases. *Cells*, May 2021b, 10(5), 15.
129. NELSON, M. E., R. ANDEL, Z. NEDELSKA, J. MARTINKOVA, et al. The Association Between Homocysteine and Memory in Older Adults. *Journal of Alzheimers Disease*, 2021a, 81(1), 413-426.
130. NIETO-MARTINEZ, R., J. P. GONZALEZ-RIVAS AND J. I. MECHANICK Cardiometabolic risk: New chronic care models. *Journal of Parenteral and Enteral Nutrition*, Nov 2021a, 45, 85-92.
131. NILSEN, C., R. ANDEL, N. AGAHI, J. FRITZELL, et al. Association between psychosocial working conditions in mid-life and leisure activity in old age. *Scandinavian Journal of Public Health*, Mar 2021, 49(2), 168-175.
132. NITA, A., S. P. ABRAHAM, P. KREJCI AND M. BOSAKOVA Oncogenic FGFR Fusions Produce Centrosome and Cilia Defects by Ectopic Signaling. *Cells*, Jun 2021, 10(6), 25.
133. ONYANGO, I. G., J. P. BENNETT AND G. B. STOKIN Mitochondrially-Targeted Therapeutic Strategies for Alzheimer's Disease. *Current Alzheimer Research*, 2021a, 18(10), 753-771.
134. ONYANGO, I. G., J. P. BENNETT AND G. B. STOKIN Regulation of neuronal bioenergetics as a therapeutic strategy in neurodegenerative diseases. *Neural Regeneration Research*, Aug 2021b, 16(8), 1467-1482.

135. OSPEL, J. M., P. CIMFLOVA, O. VOLNY, W. QIU, et al. Utility of Time-Variant Multiphase CTA Color Maps in Outcome Prediction for Acute Ischemic Stroke Due to Anterior Circulation Large Vessel Occlusion. *Clinical Neuroradiology*, Sep 2021a, 31(3), 783-790.
136. PANOVSKY, R., M. DOUBKOVA, M. L. MOJICA-PISCIOTTI, T. HOLECEK, et al. Left ventricular myocardial deformation assessment in asymptomatic patients with recently diagnosed sarcoidosis of the respiratory tract and/or extrapulmonary sarcoidosis. *Orphanet Journal of Rare Diseases*, Sep 2021a, 16(1), 8.
137. PANOVSKY, R., M. PESL, J. MACHAL, T. HOLECEK, et al. Quantitative assessment of left ventricular longitudinal function and myocardial deformation in Duchenne muscular dystrophy patients. *Orphanet Journal of Rare Diseases*, Jan 2021b, 16(1), 9.
138. PISL, V., J. VOLAVKA, E. CHVOJKOVA, K. CECHOVA, et al. Dissociation, Cognitive Reflection and Health Literacy Have a Modest Effect on Belief in Conspiracy Theories about COVID-19. *International Journal of Environmental Research and Public Health*, May 2021a, 18(10), 12.
139. PISL, V., J. VOLAVKA, E. CHVOJKOVA, K. CECHOVA, et al. Willingness to Vaccinate Against COVID-19: The Role of Health Locus of Control and Conspiracy Theories. *Frontiers in Psychology*, Oct 2021b, 12, 10.
140. QUAST, T. AND R. ANDEL Excess Mortality Associated With COVID-19 by Demographic Group: Evidence From Florida and Ohio. *Public Health Reports*, Nov 2021, 136(6), 782-790.
141. RAFFAELE, M., K. KOVACOVICOVA, J. FROHLICH, O. LO RE, et al. Mild exacerbation of obesity- and age-dependent liver disease progression by senolytic cocktail dasatinib plus quercetin. *Cell Communication and Signaling*, Apr 2021, 19(1), 9.
142. SANFILIPPO, C., P. CASTROGIOVANNI, R. IMBESI, G. LAZZARINO, et al. Sex-dependent monoamine oxidase isoforms expression patterns during human brain ageing. *Mechanisms of Ageing and Development*, Jul 2021, 197, 14.
143. SERNA, I. M. R., M. SITINA, G. B. STOKIN, J. R. MEDINA-INOJOSA, et al. Lipidomic Profiling Identifies Signatures of Poor Cardiovascular Health. *Metabolites*, Nov 2021, 11(11), 15.
144. SINDELAR, M., J. JILKOVA, L. KUBALA, V. VELEBNY, et al. Hyaluronidases and hyaluronate lyases: From humans to bacteriophages. *Colloids and Surfaces B-Biointerfaces*, Dec 2021, 208, 12.
145. STAATS, R., S. BAILLY, M. R. BONSIGNORE, S. RYAN, et al. Impact of temperature on obstructive sleep apnoea in three different climate zones of Europe: Data from the European Sleep Apnoea Database (ESADA). *Journal of Sleep Research*, Oct 2021, 30(5), 11.
146. SUK, P., V. SRAMEK AND I. CUNDRLE Extracorporeal Membrane Oxygenation Use in Thoracic Surgery. *Membranes*, Jun 2021, 11(6), 9.
147. SVOBODOVA, B., S. JELINKOVA, M. PESL, D. BECKEROVA, et al. Cellular pathology of the human heart in Duchenne muscular dystrophy (DMD): lessons learned from in vitro modeling. *Pflugers Archiv-European Journal of Physiology*, Jul 2021, 473(7), 1099-1115.
148. TOMEK, A., R. PETRA, J. P. SCHWABOVA, A. OLSEROVA, et al. Nationwide screening for Fabry disease in unselected stroke patients. *Plos One*, Dec 2021, 16(12), 12.
149. TONIOLO, S., M. SCARIONI, F. DI LORENZO, J. HORT, et al. Dementia and COVID-19, a Bidirectional Liaison: Risk Factors, Biomarkers, and Optimal Health Care. *Journal of Alzheimers Disease*, 2021, 82(3), 883-898.

150. TSIVGOULIS, G., A. H. KATSANOS, P. MANDAVA, M. KOHRMANN, et al. Blood pressure excursions in acute ischemic stroke patients treated with intravenous thrombolysis. *Journal of Hypertension*, Feb 2021, 39(2), 266-272.
151. VELEZ-COTO, M., R. ANDEL, M. PEREZ-GARCIA AND A. CARACUEL Complexity of Work With People: Associations With Cognitive Functioning and Change After Retirement. *Psychology and Aging*, Mar 2021, 36(2), 143-157.
152. VIGOUREUX, T. F. D., M. E. NELSON, R. ANDEL, B. J. SMALL, et al. Job Strain and Late-Life Cognition: Findings From the Puerto Rican Elderly Health Conditions Study. *Journal of Aging and Health*, Mar 2021, 33(3-4), 273-284.
153. ZEMANKOVA, K., K. PAVELICOVA, A. POMPEIANO, L. MRAVCOVA, et al. Targeted volatolomics of human monocytes: Comparison of 2D-GC/TOF-MS and 1D-GC/Orbitrap-MS methods. *Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences*, Nov 2021, 1184, 10.

Q3

154. BARTOS, R., J. LODIN, A. HEJCL, I. HUMHEJ, et al. Bypass Procedure Performed in the Field of a Decompressive Craniectomy in the Case of an MCA Dissecting Aneurysm: Case Report and Review of the Literature. *Brain Sciences*, Jan 2021, 11(1), 7.
155. BRUZA, V., J. BYSKA, J. MICAN AND B. KOZLIKOVA VRdeo: Creating engaging educational material for asynchronous student-teacher exchange using virtual reality. *Computers & Graphics-Uk*, Aug 2021, 98, 280-292.
156. CIMFLOVA, P., J. KRAL, O. VOLNY, M. HORN, et al. MRI Diffusion-Weighted Imaging to Measure Infarct Volume: Assessment of Manual Segmentation Variability. *Journal of Neuroimaging*, May 2021, 31(3), 541-550.
157. CRUDELE, A., S. DATO, O. LO RE, A. MAUGERI, et al. Pediatric Non-Alcoholic Fatty Liver Disease Is Affected by Genetic Variants Involved in Lifespan/Healthspan. *Journal of Pediatric Gastroenterology and Nutrition*, Aug 2021, 73(2), 161-168.
158. GAMALDO, A. A., A. L. SARDINA, S. C. TAN, L. A. ROSS, et al. Correlates of Life Satisfaction Among Middle-Aged and Older Black Adults. *Journal of Racial and Ethnic Health Disparities*, Oct 2021, 8(5), 1249-1259.
159. GONZALEZ-RIVAS, J. P., J. I. MECHANICK, M. M. INFANTE-GARCIA, J. R. MEDINA-INOJOSA, et al. The Prevalence of Dysglycemia-Based Chronic Disease in a European Population - a New Paradigm to Address Diabetes Burden: A Kardiovize Study. *Endocrine Practice*, May 2021c, 27(5), 455-462.
160. HEJCL, A., K. JIRANKOVA, A. MALUCELLI, A. SEJKOROVA, et al. Selective internal carotid artery cross-clamping increases the specificity of cerebral oximetry for indication of shunting during carotid endarterectomy. *Acta Neurochirurgica*, Jun 2021, 163(6), 1807-1817.
161. HEROUT, V., K. BRAT, S. RICHTER AND I. CUNDRLE Cerebral air embolism complicating transbronchial lung biopsy: A case report. *World Journal of Clinical Cases*, Nov 2021, 9(32), 9911-9916.
162. JESTER, D. J., R. ANDEL, K. CECHOVA, J. LACZO, et al. Cognitive Phenotypes of Older Adults with Subjective Cognitive Decline and Amnesic Mild Cognitive Impairment: The Czech Brain Aging Study. *Journal of the International Neuropsychological Society*, Apr 2021, 27(4), 329-342.
163. LACZO, M., J. M. WIENER, J. KALINOVA, V. MATUSKOVA, et al. Spatial Navigation and Visuospatial Strategies in Typical and Atypical Aging. *Brain Sciences*, Nov 2021, 11(11), 23.
164. MUDRY, P., M. KYR, O. ROHLEDER, M. MAHDAL, et al. Improved osteosarcoma survival with addition of mifamurtide to conventional chemotherapy-Observational prospective single institution analysis. *Journal of Bone Oncology*, Jun 2021, 28, 6.
165. NIETO-MARTINEZ, R., J. P. GONZALEZ-RIVAS, E. UGEL, M. DURAN, et al. Cardiometabolic risk factors in Venezuela. The EVESCAM study: a national cross-sectional survey in adults. *Primary Care Diabetes*, Feb 2021b, 15(1), 106-114.
166. NIKOLAI, T., K. CECHOVA, K. BUKACOVA, A. F. MAZANCOVA, et al. Delayed matching to sample task 48: assessment of malingering with simulating design. *Aging Neuropsychology and Cognition*, Nov 2021, 28(6), 797-811.
167. NORDAHL, E. R., S. UTHAMARAJ, K. D. DENNIS, A. SEJKOROVA, et al. Morphological and Hemodynamic Changes during Cerebral Aneurysm Growth. *Brain Sciences*, Apr 2021, 11(4), 10.

168. OPATRIL, L., R. PANOVSKY, J. MACHAL, T. HOLECEK, et al. Extracellular volume quantification using synthetic haematocrit assessed from native and post-contrast longitudinal relaxation T1 times of a blood pool. *Bmc Cardiovascular Disorders*, Jul 2021, 21(1), 8.
169. PAVLOVSKA, I., J. I. MECHANICK, G. A. M. NETO, M. M. INFANTE-GARCIA, et al. Arterial Stiffness and Cardiometabolic-Based Chronic Disease: The Kardiovize Study. *Endocrine Practice*, Jun 2021a, 27(6), 571-578.
170. SEDOVA, P., R. D. BROWN, M. ZVOLSKY, S. BELASKOVA, et al. Incidence of Stroke and Ischemic Stroke Subtypes: A Community-Based Study in Brno, Czech Republic. *Cerebrovascular Diseases*, Feb 2021, 50(1), 54-61.

Q4

171. BABAGOLI, M. A., R. NIETO-MARTINEZ, J. P. GONZALEZ-RIVAS, K. SIVARAMAKRISHNAN, et al. Roles for community health workers in diabetes prevention and management in low- and middle-income countries. *Cadernos De Saude Publica*, 2021, 37(10), 14.
172. CONCEPCION, I., A. HEJCL, J. LODIN AND M. SAMES Treatment of a large supraclinoid aneurysm via clipping with a prophylactic low-flow bypass. *Ceska a Slovenska Neurologie a Neurochirurgie*, 2021, 84(3), 288-290.
173. KRELL-ROESCH, J., J. A. SYRJANEN, M. RAKUSA, P. VEMURI, et al. Association of Cortical and Subcortical beta-Amyloid With Standardized Measures of Depressive and Anxiety Symptoms in Adults Without Dementia. *Journal of Neuropsychiatry and Clinical Neurosciences*, Sum 2021a, 33(1), 64-71.
174. KURZELOWSKI, R., K. BARANSKI, G. CALUORI, W. SZOT, et al. Correlation between electromechanical parameters (NOGA XP) and changes of myocardial ischemia in patients with refractory angina. *Postepy W Kardiologii Interwencyjnej*, 2021, 17(3), 281-289.
175. LEJDAROVA, H., R. PACASOVA, L. TESAROVA, I. KOUTNA, et al. Cryopreserved buffy-coat-derived platelets reconstituted in platelet additive solution: A safe and available product with sufficient haemostatic effectiveness. *Transfusion and Apheresis Science*, Jun 2021, 60(3), 7.
176. MADEIRA, C., L. HORAVOVA, F. DOS SANTOS, J. R. BATUCA, et al. Investigator Initiated Clinical Trials (IICTs): A Systematic Search in Registries to Compare the Czech Republic and Portugal in Terms of Funding Policies and Scientific Outcomes. *Therapeutic Innovation & Regulatory Science*, Sep 2021, 55(5), 966-978.
177. POLCROVA, A., I. PAVLOVSKA, G. A. M. NETO, S. KUNZOVA, et al. Visceral fat area and cardiometabolic risk: The Kardiovize study. *Obesity Research & Clinical Practice*, Jul-Aug 2021, 15(4), 368-374.
178. RASKA, J., H. HRIBKOVA, H. KLIMOVA, V. FEDOROVA, et al. Generation of six human iPSC lines from patients with a familial Alzheimer's disease (n=3) and sex- and age-matched healthy controls (n=3). *Stem Cell Research*, May 2021a, 53, 5.
179. RASKA, J., H. KLIMOVA, K. SHEARDOVA, V. FEDOROVA, et al. Generation of three human iPSC lines from patients with a spontaneous late-onset Alzheimer's disease and three sex- and age-matched healthy controls. *Stem Cell Research*, May 2021b, 53, 5.
180. RUSINA, R., R. MATEJ, Z. CSEFALVAY, J. KELLER, et al. Frontotemporal dementia. *Ceska a Slovenska Neurologie a Neurochirurgie*, 2021, 84(1), 9-28.
181. SIMARA, P., L. TESAROVA, I. TAPUCHOVA, J. CELEROVA, et al. T-Cell Activation: Post-Infection Diagnostic Tool for COVID-19. *Folia Biologica*, 2021, 67(1), 16-27.
182. SOURALOVA, T., Z. HOLUBCOVA, D. KYJOVSKA, A. HAMPL, et al. Xeno- and feeder-free derivation of two sex-discordant sibling lines of human embryonic stem cells. *Stem Cell Research*, Dec 2021, 57, 4.
183. VENCLICEK, O., J. SKRICKOVA, K. BRAT, O. FISCHER, et al. Lung Cancer in Non-smokers in Czech Republic: Data from LUCAS Lung Cancer Clinical Registry. *Anticancer Research*, Nov 2021, 41(11), 5549-5556.

184. VOLEVACH, E., H. MARSALKOVA, J. BOBEK, V. SVOBODOVA, et al. Educational Program Improved Senior Preparedness to Call 911 as a Response to Stroke. *Journal of Stroke & Cerebrovascular Diseases*, Nov 2021, 30(11), 5.

N/A

185. CALAMINUS, G., K. BAUST, C. BERGER, J. BYRNE, et al. Health-Related Quality of Life in European Childhood Cancer Survivors: Protocol for a Study Within PanCareLIFE. *Jmir Research Protocols*, Jan 2021, 10(1), 16.
186. CIHLAR, R., V. SRAMEK AND P. SUK Prophylaxis of venous thromboembolism in critically ill patients. *Anesteziologie a Intenzivni Medicina*, 2021, 32(4-5), 218-224.
187. CURILA, K., P. JURAK, J. HALAMEK, F. PRINZEN, et al. Ventricular activation pattern assessment during right ventricular pacing: Ultrahigh-frequency ECG study. *Journal of Cardiovascular Electrophysiology*, May 2021a, 32(5), 1385-1394.
188. GONZALEZ-RIVAS, J. P., J. I. MECHANICK, J. P. HERNANDEZ, M. M. INFANTE-GARCIA, et al. Prevalence of adiposity-based chronic disease in middle-aged adults from Czech Republic: The KardioVize study. *Obesity Science & Practice*, Oct 2021a, 7(5), 535-544.
189. GONZALEZ-RIVAS, J. P., J. I. MECHANICK, R. IGLESIAS-FORTES, D. DE-OLIVEIRA-GOMES, et al. Optimal waist circumference cutoff values to predict cardiometabolic alterations in a Venezuela national representative sample. The EVESCAM study. *Archivos De Cardiologia De Mexico*, Jul-Sep 2021b, 91(3), 272-280.
190. HORT, J., M. VALIS, B. ZHANG, K. KUČA, et al. An Overview of Existing Publications and Most Relevant Projects/Platforms on the Use of Blockchain in Medicine and Neurology. *Frontiers in Blockchain*, Mar 2021, 4, 9.
191. KELLY, P., C. WEIMAR, R. LEMMENS, S. MURPHY, et al. Colchicine for prevention of vascular inflammation in Non-CardioEmbolic stroke (CONVINCE) - study protocol for a randomised controlled trial. *European Stroke Journal*, Jun 2021, 6(2), 222-228.
192. KOKKONEN, P., A. BEIER, S. MAZURENKO, J. DAMBORSKY, et al. Substrate inhibition by the blockage of product release and its control by tunnel engineering. *Rsc Chemical Biology*, Apr 2021, 2(2), 645-655.
193. MAZUR, A., V. SRAMEK AND I. M. CUNDRLE Prehabilitation in surgery - narrative review. *Anesteziologie a Intenzivni Medicina*, 2021c, 32(3), 136-141.
194. MIKULIK, R., M. BAR, D. CERNIK, R. HERZIG, et al. Stroke 20 20: Implementation goals for intravenous thrombolysis. *European Stroke Journal*, Jun 2021, 6(2), 151-159.
195. NOVOTNY, J. S., J. P. GONZALEZ-RIVAS, J. R. MEDINA-INOJOSA, F. LOPEZ-JIMENEZ, et al. Investigating cognition in midlife. *Alzheimers & Dementia-Translational Research & Clinical Interventions*, 2021, 7(1), 14.
196. PLEVA, L., P. KUKLA, J. ZAPLETALOVA AND O. HLINOMAZ In-stent restenosis treatment with seal-wing paclitaxel-eluting balloon catheters. *Cor Et Vasa*, Aug-Sep 2021, 63(4), 442-447.
197. RUZEK, L., L. TUSINOVSKA, V. HANDLOVA, M. JELINK, et al. Post-operative sleep-disordered breathing with different anesthesia techniques: an observational study. *Anesteziologie a Intenzivni Medicina*, 2021, 32(4-5), 204-210.
198. VENTRUBA, P., J. ZAKOVA, M. JESETA, E. LOUSOVA, et al. Aspects of embryo selection and their preparation for the formation of human embryonic stem cells intended for human therapy. *Ceska Gynekologie-Czech Gynaecology*, 2021, 86(1), 5-10.