

Lista lucrărilor studenților-doctoranzi din IBAR publicate în perioada 2021-2026

1. Stefan-Buzatoiu S. A., Alexandru-Flintoaca P. R., Dobrica M. O., Petrescu S. M., Nichita N*. "*Niemann-Pick type C1 protein regulates epidermal growth factor receptor stability in hepatic cells and facilitates the early steps of Hepatitis B virus infection*", **Frontiers in Cellular and Infectious Microbiology** **16**: 1905331 (2026).
2. Ciupitu, A.M., Pistol, G.C.; Bulgaru, V.C., Grosu, I.A., Oancea, A.G., Nichita, N., Taranu, I. "*Assessing the In Vitro Effects of Carrot Pomace Extract on Intestinal Epithelium Integrity and Functions*", **Antioxidants**, **15**, 847 (2026).
3. Șulea TA, Martin EC, Bugeac CA, Bectăș FS, Iacob AL, Spiridon L, Petrescu AJ. "*Lessons from Deep Learning Structural Prediction of Multistate Multidomain ProteinsThe Case Study of Coiled-Coil NOD-like Receptors*" **Int J Mol Sci.** **26(2)**:500 doi: 10.3390/ijms26020500 (2025).
4. Ursu E, Minnegalieva A, Rawat P, Chernigovskaya M, Tacutu R, Sandve GK, Robert PA, Greiff V. "*Training data composition determines machine learning generalization and biological rule discovery*", **Nature Machine Intelligence** **7(8)**: 1206-1219, (2025) doi: 10.1101/2024.06.17.599333
5. Șulea TA, Draga S, Mernea M, Corlan AD, Radu BM, Petrescu AJ, Amuzescu B. "*Differential Inhibition by Cenobamate of Canonical Human Nav1.5 Ion Channels and Several Point Mutants.*" **Int J Mol Sci.** **26(1)**:358. doi: 10.3390/ijms26010358 (2025).
6. Ghionescu A.V, Uta M, Sorop A, Lazar C, Flintoaca-Alexandru P, Chiritoiu G, Sima L, Petrescu SM, Dima SO, Nichita N. „*The endoplasmic reticulum degradation-enhancing α -mannosidase-like protein 3 attenuates the unfolded protein response and has prosurvival and pro-viral roles in hepatoma cells and hepatocellular carcinoma patients*”. **J Biomed Sci** **32**, 11 (2025).
7. A.M Pantazica, A. Hammel, I. Caras, I. Ionescu, C. Tucureanu, A. Onu, M. Murace, J. Liu Clarke, C. Stavaru, N.Nichita, R. Bock. "*Red Alga Porphyridium Supports High-Yield Production of a Functional Chimeric Hepatitis B Surface Antigen With Strong Cellular and Humoral Immunogenicity*", **Plant Biotechnology Journal**: **23**: 4829-4843, doi: <https://doi.org/10.1111/pbi.70270> (2025).
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9. A.G.Vasilescu; A.M.Vasilescu; L.E.Sima; N.Baran; S.E.Szedlasek, "*Breaking the cancer code: a novel DNA minicircle to disable STAT3 in ovarian cancer cells SKOV3*"; **Frontiers in Pharmacology**, <https://doi.org/10.3389/fphar.2025.1673427> (2025).
10. A.M. Vasilescu; A.G.Vasilescu; L.E.Sima; C.V.A.Munteanu; N.Baran; S.E.Szedlasek, „*A novel cytotoxic anti-B7-H3 affibody with therapeutic potential in acute myeloid leukemia*”; **Frontiers in Pharmacology**, <https://doi.org/10.3389/fphar.2025.1684226> (2025).
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13. Lagger C, Ursu E, Equey A, Avelar RA, Pisco AO, Tacutu R, de Magalhães JP.
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14. Martin EC, Le Targa L, Tsakou-Ngouafo L, Fan TP, Lin CY, Xiao J, Huang Z, Yuan S, Xu A, Su YH, Petrescu AJ, Pontarotti P, Schatz DG. *Insights into RAG evolution from the identification of "missing link" family A RAGL transposons*. **Mol Biol Evol**, **40(11)**, msad232, doi: 10.1093/molbev/msad232 (2023).
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