

**Institute of Cell Biology of the National Academy of Sciences of Ukraine**

**Department of Cell Signaling**

**Publications**

**2021**

**Published scientific articles:**

All – 5

Including articles in the international journals– 4

Total impact factor– **30,7**

List of the articles published in international scientific peer-reviewed journals, indexed in Web of Science Core Collection and Scopus databases:

1. Chen O., Manig F., Lehmann L., Sorour N., Löck S., Yu Z., Dubrovskaya A., Baumann M., Kessler B.M., Stasyk O., Kunz-Schughart L.A. Dual role of ER stress in response to metabolic co-targeting and radiosensitivity in head and neck cancer cells. *Cell Mol Life Sci.* 2021, Vol. 78, P. 3021–3044. doi: <https://doi.org/10.1007/s00018-020-03704-7> (IF – 9.261) Q1
2. Chen O., Michliková S., Eckhardt L., Wondrak M., De Mendoza A.M., Krause M., McLeod D.D., Kunz-Schughart L.A. Efficient Heat Shock Response Affects Hyperthermia-Induced Radiosensitization in a Tumor Spheroid Control Probability Assay. *Cancers (Basel)*. 2021, Vol. 13 (13), P. 3168. doi: <https://doi.org/10.3390/cancers13133168> (IF – 6.639) Q1
3. Mukha A., Kahya U., Linge A., Chen O., Löck S., Lukiyanchuk V., Richter S., Alves T.C., Peitzsch M., Telychko V., Skvortsov S., Negro G., Aschenbrenner B., Skvortsova II., Mirtschink P., Lohaus F., Hölscher T., Neubauer H., Rivandi M., Labitzky V., Lange T., Franken A., Behrens B., Stoecklein N.H., Toma M., Sommer U., Zschaek S., Rehm M., Eisenhofer G., Schwager C., Abdollahi A., Groeben C., Kunz-Schughart L.A., Baretton G.B., Baumann M., Krause M., Peitzsch C., Dubrovskaya A. GLS-driven glutamine catabolism contributes to prostate cancer radiosensitivity by regulating the redox state, stemness and ATG5-mediated autophagy. *Theranostics* 2021, Vol. 11 (16), P.7844–7868. doi: <https://doi.org/10.7150/thno.58655> (IF – 11.556) Q1
4. Shuvayeva G.Y., Bobak Y.P., Vovk O.I., Kunz-Schughart L.A., Fletcher M.T., Stasyk O.V. Indospicine combined with arginine deprivation triggers cancer cell death via caspase-dependent apoptosis. *Cell Biol. Int.* 2021, Vol. 45(3), P. 518-527. doi: <https://doi.org/10.1002/cbin.11321> (IF – 3.23) Q2

Articles published in Ukrainian peer-reviewed journals, which are included in the List of Scientific Professional Editions of Ukraine, Category A (091 – Biological sciences) and indexed in the international scientometric database Scopus:

1. Hrushanyk N.V., Fedorko Y.I., Stasyk O.V., Stasyk O.G. Construction of model strain of yeast *Saccharomyces cerevisiae* with regulated expression of recombinant human alpha-synuclein. *Біол. Смыдї / Studia Biologica*. 2021. V. 15, N 3. – P. 41–50. <https://dx.doi.org/10.30970/sbi.1503.663>