



# Curriculum Vitae

Rudyk MP

## PERSONAL



Rudyk Mariia Petrivna

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Author ID (Scopus) 25226972600

Gender F | Year of Birth 1984 | Citizenship Ukraine

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| Academic degree (degree, speciality) | PhD, immunology                         |
| Academic rank                        | associate professor                     |
| Position                             | associate professor                     |
| Department                           | Microbiology and Immunology             |
| Faculty/Institute                    | ESC "Institute of Biology and Medicine" |
| Part-time position                   |                                         |

## TEACHING:

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| In the current year | <ol style="list-style-type: none"><li>1. Anatomy and morphology of lymphoid system, bachelor (3<sup>rd</sup> year), lectures and lab work.</li><li>2. Methodology of experimental research in microbiology, bachelor (3<sup>rd</sup> year), lectures.</li><li>3. Methodology of experimental research in immunology, bachelor (3<sup>rd</sup> year), lectures</li><li>4. Immunology, bachelor (2<sup>nd</sup> year), lab work.</li><li>5. Immunomodulators, bachelor (4<sup>rd</sup> year), lectures and lab work.</li><li>6. Ecological immunology, master (second year), lectures and lab work.</li><li>7. Laboratory practical work in biology, bachelor (2<sup>nd</sup> and 3<sup>rd</sup> years), lab work</li><li>8. Laboratory practical work in immunology, bachelor (3<sup>rd</sup> and 4<sup>th</sup> years), lab work</li></ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| In previous years   | <ol style="list-style-type: none"><li>1. Cell immunity, bachelor (4<sup>th</sup> year), lab work</li><li>2. Microbiology, bachelor (second year), lab work</li><li>3. Biology backgrounds of infectious diseases, bachelor (4<sup>th</sup> year), lab work</li><li>4. Physical-chemical methods in microbiology and immunology, bachelor, (3<sup>rd</sup> year), lab work and lectures</li><li>5. Anticancer immunity, master (first year), lab work</li><li>6. Molecular immunology, master (first year), lab work</li><li>7. Applied immunology, bachelor (5<sup>th</sup> year) (correspondence course)</li><li>8. Local immunity, bachelor (4<sup>th</sup> year)</li><li>9. Anticancer vaccines, master (first year), lab work</li><li>10. Radioimmunology, bachelor (4<sup>th</sup> year)</li><li>11. Immunobiotechnology, master, (first and second years), lab work</li><li>12. Ecology of microorganisms, bachelor (3<sup>rd</sup> year), lab work</li><li>13. Microbiology, virology, and immunology, master (2<sup>nd</sup> and 3<sup>rd</sup> years), lab work.</li><li>14. Clinical Microbiology, virology, and immunology, master (4<sup>th</sup> years), lab work.</li><li>15. Immune system and allergic reactions: from norm to pathology, lectures and lab work</li></ol> |

## SCIENTIFIC AND TEACHING EXPERIENCE

| Period | Description |
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| From 2019 to the present | <a href="#">Position</a> associate professor                                                                                                                                                                                                                                                                                                                                                                                           |
|                          | ESC "Institute of Biology and Medicine", Taras Shevchenko National University of Kyiv (64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601, <a href="http://univ.kiev.ua">http://univ.kiev.ua</a> )                                                                                                                                                                                                                               |
|                          | <a href="#">Field of activity</a> : Education and scientific work, professor in charge of the 4 <sup>th</sup> year student group, in charge of department internet page, organization of scientific activities for students and scholars (biology school, biology tournament, student conference and contest, Abiturient Olympiad of TSNUK for), secretary of the Methodological committee of ESC "Institute of Biology and Medicine". |
| From 2010 to 2018        | <a href="#">Position</a> assistant professor                                                                                                                                                                                                                                                                                                                                                                                           |
|                          | ESC "Institute of Biology and Medicine", Taras Shevchenko National University of Kyiv (64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601, <a href="http://univ.kiev.ua">http://univ.kiev.ua</a> )                                                                                                                                                                                                                               |
|                          | <a href="#">Field of activity</a> : Education and scientific work, professor in charge of immunology student group, in charge of department internet page, organization of scientific activities for students and scholars (biology school, biology tournament, student conference and contest), member of the Methodological committee of ESC "Institute of Biology and Medicine".                                                    |
| From 2007 to 2010        | <a href="#">Position</a> PhD student                                                                                                                                                                                                                                                                                                                                                                                                   |
|                          | ESC "Institute of Biology and Medicine", Taras Shevchenko National University of Kyiv (64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601, <a href="http://univ.kiev.ua">http://univ.kiev.ua</a> )                                                                                                                                                                                                                               |
|                          | <a href="#">Field of activity</a> : Education and scientific work                                                                                                                                                                                                                                                                                                                                                                      |

## EDUCATION AND TRAINING

| Period                         | Description                                                                                                                                                                                                                         |
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| October-December 2024          | <a href="#">Training in</a> laboratory of immunobiology, Palladin Institute of Biochemistry of NAS of Ukraine, Kyiv                                                                                                                 |
| October 2022- March 2023       | EFIS granted internship in the Institute for Medical Microbiology, Immunology and Hygiene, Technical University Munich (Germany)                                                                                                    |
| January 2023                   | KNU Teach Week 4                                                                                                                                                                                                                    |
| July – August 2022             | Training in pedagogical competencies of KNU Educators' week by Genesis                                                                                                                                                              |
| June 23-24, 2022               | Practical seminar "Challenges and perspectives of online learning in higher education institutions"                                                                                                                                 |
| February 2022                  | Training in pedagogical competencies (KNU Teach Week 3)                                                                                                                                                                             |
| December 2021                  | DxFlex flow cytometry training                                                                                                                                                                                                      |
| October 2021                   | Google Digital Tools for Higher, Professional Pre-higher Education Institutions                                                                                                                                                     |
| June 2021                      | Training in pedagogical competencies (KNU Teach Week 2)                                                                                                                                                                             |
| January 2021                   | Training in pedagogical competencies (KNU Teach Week)                                                                                                                                                                               |
| 15 September – 15 October 2018 | <a href="#">Training in</a> RE Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology, National Academy of Sciences of Ukraine                                                                                     |
| From 2007 to 2010              | <a href="#">Taras Shevchenko Kyiv State University, Kyiv, Ukraine</a>                                                                                                                                                               |
|                                | <a href="#">Qualification</a> : PhD, thesis title «The immunomodulating effects of lectin from Bacillus subtilis B-7025 under the tumor growth condition»                                                                           |
| From 2005 to 2007              | <a href="#">Taras Shevchenko Kyiv State University, Kyiv, Ukraine</a>                                                                                                                                                               |
|                                | <a href="#">Qualification</a> : master of biology (immunology), master thesis title «The influence of teichoic acids from Staphylococcus aureus Wood 46 on immune reactivity of mice with Lewis lung carcinoma»                     |
| From 2001 to 2007              | <a href="#">Taras Shevchenko Kyiv State University, Kyiv, Ukraine</a>                                                                                                                                                               |
|                                | <a href="#">Qualification</a> : bachelor of biology (immunology), thesis title «The influence of lipoteichoic acids from Staphylococcus aureus Wood 46 on the tumor growth and immune reactivity of mice with Lewis lung carcinoma» |

## PERSONAL SKILLS AND COMPETENCES

| Item                                          | Level                                                                                                                                                                                                                                                                    |
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| Language Proficiency                          |                                                                                                                                                                                                                                                                          |
| Ukrainian                                     | Native language                                                                                                                                                                                                                                                          |
| English                                       | B2                                                                                                                                                                                                                                                                       |
| German                                        | A1/A2                                                                                                                                                                                                                                                                    |
| Social/Communication Skills and Competences   | Communication skills were acquired during the work at the Department of Microbiology and Immunology of ESC "Institute of Biology and Medicine" of Taras Shevchenko National University of Kyiv                                                                           |
| Organizational/Manager Skills and Competences | Organization of international scientific conferences, manage a research work of students at the department, in charge of the 1 <sup>st</sup> year master student group.                                                                                                  |
| Computer Skills and Competences               | Experienced user. Good knowledge of MS Windows; good knowledge of web browsers (Opera, Mozilla Firefox, Google Chrome, Internet Explorer) and e-mail applications (Outlook Express); good command of MS Office Tools (Excel, Power Point, Word); Google Classroom, Zoom. |
| Methodological and Technical Expertise        | Accomplished researcher in immunology (rodent models in oncology and immunology, immune cell isolation and cultivation, serological and immunochemical methods of assays)                                                                                                |
| Range of Professional Interests               | Medical biology, immunology, pharmacology, ecological immunology, anticancer and immunomodulating properties of the biopolymers from bacteria, plants and fungi.                                                                                                         |

## ADDITIONAL INFORMATION

| Item         | ( titles of publications, presentations, projects, conferences, seminars, awards and prizes, membership in academies, professional and scientific associations, etc )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Publications | <p><b>Educational and methodical materials</b></p> <ol style="list-style-type: none"> <li>1. Skivka L., Rudyk M. Educational and methodological manual "Immunochemistry. Practical course". Kyiv: [electronic edition], 2025, 130p.</li> <li>2. Rudyk M. Methodological recommendations for laboratory work on the educational discipline "Laboratory works in immunology", part I "Anatomy and morphology of the lymphoid system". Kyiv: [electronic edition in Ukrainian], 2023, 63 p. [in Ukrainian]</li> <li>3. Rudyk M. Immunomodulatory medications (lecture notes). K: Publisher Ya.O. Kravchenko, 2019, 267 c. [in Ukrainian]</li> <li>4. Methodological recommendations for the laboratory workshop on the discipline "Immunology". Arrangement: L.M. Skivka, M.P. Rudyk, Yu.V. Shvets, N.V. Senchylo, O.S. Molozhava, N.M. Khranovska, A.A. Stasenko A.A. Kyiv: [electronic edition in Ukrainian], 2022, 82 p. [in Ukrainian]</li> <li>5. Aleksandrova I.V., Dovhiy R.M., Siromolot A.A., Rudyk M.P., Faydyuk Y.V., Yumina Y.M., Stepura L.G., Skivka L.M. Workbook "Microbiology, virology and immunology. Part I "Microbiology and Immunology" for students of the 2nd year (Master) studying (Ukrainian language of learning). - Kyiv: electronic edition in Ukrainian, 2022. - 72 p. [in Ukrainian]</li> <li>6. Serhiychuk M.G., Skivka L.M., Serhiichuk T.M. etc. "Microbiology". Textbook. V2, Kyiv: FOP Maslakov, 2020, 348 p. [in Ukrainian]</li> <li>7. Akulenko I.V., Dovhyi R.S., Faidiuk Yu.V., Rudyk M.P., Siromolot A.A., Skivka L.M. Laboratory Notebook on the discipline «MICROBIOLOGY, VIROLOGY, AND IMMUNOLOGY» for foreign students of specialization «Medicine». Part 1 «MICROBIOLOGY AND IMMUNOLOGY». – Kyiv: Publishing and printing center «Kyiv University», 2019. – 77 p.</li> <li>8. Physico-chemical methods in microbiological and immunological studies/ educational manual/ P.P. Zelena, O.S. Molozhava, M.P. Rudyk, L.M. Skivka, Yu.M. Yumyna – Kyiv.: Publisher Ya.O. Kravchenko, 2019. - 167 p. [in Ukrainian]</li> </ol> |

| Publications | Scientific papers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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|              | <ol style="list-style-type: none"> <li>1. Temnik M, Rudyk M, Balakin A, Gurin S, Dovbynychuk T, Byshovets R, Dzubenko N, Tolstanova G, Skivka L. Anti-inflammatory effects of <sup>64</sup>Zn-aspartate is accompanied by cognitive improvements in rats with Aβ<sub>1-40</sub>-induced alzheimer disease. <i>Sci Rep.</i> 2025 Apr 24;15(1):14272.</li> <li>2. Volkovetskii V, Lobanova O, Puzyr N, Tkachenko A, Maksimenko M, Rudyk M, Susak Y, Skivka L. Laparoscopic common bile duct exploration vs endoscopic retrograde cholangiopancreatography for the treatment of difficult common bile duct stones: postsurgery inflammation and liver function. <i>J Gastrointest Surg.</i> 2025 Sep;29(9):102156.</li> <li>3. Dovhyi R, Dvukhriadkina A, Ostrovska K, Rudyk M., Verhovcova I, Vaivode K, Pjanova D, Ostapchenko L, Skivka L. Bacteriophage derived dsRNA induces polarized activation of alveolar macrophages from Balb/c and C57Bl/6 mice in vitro in sex- and age-dependent manner. <i>Cellular Immunology</i>, 2025. -408:104916</li> <li>4. Dovhyi R, Rudyk M., Serhiichuk T, Yumyna Y, Dvukhriadkina A, Ostrovska K, Senchylo N, Skivka L. Optimisation of bronchoalveolar lavage technique for isolating alveolar macrophages in mice. <i>General Surgery (Ukraine)</i>. 2024: (3); 43-47.</li> <li>5. R. Dovhyi, Rudyk M., T. Serhiichuk, Yu. Yumyna, A. Dvukhriadkina, K. Ostrovska, D. Pjanova, L. Skivka. Bacteriophage-derived double-stranded RNA (larifan) exerts variable effects on human blood monocytes depending on age and sex of donors. <i>Ukr.Biochem.J.</i> 2024; Volume 96, Issue 5, Sep-Oct, pp. 44-54.</li> <li>6. Dovhyi R., Dvukhriadkina A., Ostrovska K., Pjanova D. Comparative assessment of the impact of interferonogenic preparation Larifan on monocytes from aged C57BL/6 and BALB/c mice in vitro. <i>Bulletin of the Taras Shevchenko National University of Kyiv. Biology.</i> № 98(3), 2024. c.5-10. DOI: <a href="https://doi.org/10.17721/1728.2748.2024.98.5-10">https://doi.org/10.17721/1728.2748.2024.98.5-10</a></li> <li>7. Kotelevska T., Rudyk M. EFIS Ukraine Mobility Initiative. <i>Eur. J. Immunol.</i> – 2024, Vol. 54 (4), 2470023.</li> <li>8. Nefodova A, Rudyk M, Dovhyi R, Dovbynychuk T, Dzubenko N, Tolstanova G, Skivka L. Systemic inflammation in Aβ<sub>1-40</sub>-induced Alzheimer's disease model: new translational opportunities. <i>Brain Research</i> – 2024, Vol. 1837, 148960.</li> <li>9. Oliynyk Z, Rudyk M, Dovbynychuk T, Dzubenko N, Tolstanova G, Skivka L. Inflammatory hallmarks in 6-OHDA- and LPS-induced Parkinson's disease in rats. <i>Brain, Behavior, and Immunity</i> - 2023, 30, 100616.</li> <li>10. Yaroslav M Susak, Leonid L. Markulan, Serhii M. Lobanov, Roman Y. Palitsya, Mariia P. Rudyk and Larysa M. Skivka. Effectiveness of a new approach to minimally invasive surgery in palliative treatment of patients with distal malignant biliary obstruction. <i>Gastroenterology and Hepatology</i>, 2023.</li> <li>11. Rudyk, M., Tolstanova, G., Ostapchenko, L., Skivka, L. Inter-disciplinary team working in neuroimmunology can facilitate counteracting brain-drain in Ukraine due to war. <i>Brain, Behavior, and Immunity</i>, 2023, 109, pp. 269–270</li> <li>12. Rudyk, M., Hurmach, Y., Serhiichuk, T. et al. Ostapchenko, L. Multi-probiotic consumption sex-dependently interferes with MSG-induced obesity and concomitant phagocyte pro-inflammatory polarization in rats: Food for thought about personalized nutrition. <i>Heliyon</i>, 2023, 9(2), e13381</li> <li>13. Gahramanova M, Ostapchuk A, Molozhava O, Svyatetska V, Rudyk M, Hurmach Y, Gorbach O, Skivka L. Anti-inflammatory effect of polyherbal composition with hepatoprotective and choleretic properties on LPS-stimulated murine macrophages, <i>Journal of Complementary and Integrative Medicine</i>, 2023, 20(2), pp. 404–412.</li> <li>14. Susak YM, Markulan LL, Lobanov SM, Palitsya RY, Rudyk MP, Skivka LM. Effectiveness of a new approach to minimally invasive surgery in palliative treatment of patients with distal malignant biliary obstruction. <i>World J Gastrointest Surg.</i> 2023, 27;15(4):698-711.</li> <li>15. R. Dovhyi, M. Rudyk, Ye. Hurmach, T. Serhiichuk, Yu. Yumyna, A. Dvukhriadkina, K. Ostrovska, D. Pjanova, L. Skivka. Polarized activation of human peripheral blood phagocytes by bacteriophage-derived double-stranded RNA (LARIFAN) in vitro. <i>Biotechnologia Acta</i>, 2023, 16 (6) : 69-75.</li> <li>16. A. Nefodova, M. Rudyk, R. Dovhyi, T. Dovbynychuk, N. Dzubenko, L. Skivka. Microglia phagocytic activity in rats with different models of Alzheimer's disease. <i>Biotechnologia Acta</i>, 2023, V. 16, No 1, P. 57-66.</li> <li>17. Oliynyk, Z., Rudyk, M., Svyatetska, V. et al. Systemic inflammation biomarkers in 6-OHDA-and LPS-induced Parkinson's disease in rats. <i>Ukrainian Biochemical Journal</i>, 2022, 94(1), pp. 33–43</li> <li>18. Susak YM, Opalchuk K, Tkachenko O, Rudyk M, Skivka L. Routine laboratory parameters in patients with necrotizing pancreatitis by the time of operative pancreatic debridement: Food for thought. <i>World Journal of Gastrointestinal Surgery</i>, 2022, 14(1): 64-77.</li> </ol> |

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| Publications | <ol style="list-style-type: none"> <li>19. A. Nefodova, Rudyk M., M. Pasichnichenko, R. Dovhyi, T. Dovbynychuk, G. Tolstanova, L. Skivka. Pro-inflammatory effects of placebo neurosurgery in rats: age-related features. <i>General Surgery</i>, 2022, 2(3), 56-63.</li> <li>20. R. Dovhyi, Rudyk M., M. Pasichnichenko, A. Marynchenko, Zh. Oliynyk, A. Nefodova, L. Skivka. Circadian variation in functional polarization of murine peritoneal macrophages. <i>Biotechnologia Acta</i>, V. 15, No. 4, 2022, P. 8-10</li> <li>21. Zh. Oliynyk, Rudyk M., L. Kalachniuk, T. Dovbynychuk, G. Tolstanova, L. Skivka. Long-term effects of sham surgery on phagocyte functions in rats. <i>Biotechnologia Acta</i>, V. 15, No 2, 2022, P.37-46</li> <li>22. Oliynyk, Z., Marynchenko A., Dovbynychuk T., Dzubenko N., Tolstanova G. Functional Changes in Peripheral Phagocytes in Rats with Lps-Induced Parkinson's Disease. <i>Mugla Journal of Science and Technology</i>. – 2021, 7(2), 73-78.</li> <li>23. Nefodova, A., Rudyk M., Svyatetska, V., Pasichnichenko M. Functional and phenotypic characteristics of circulating phagocytes in rats with different models of Alzheimer disease. <i>Biotechnologia Acta</i> V. 15, No. 4, 2022, P. 18-21.</li> <li>24. Pjanova D., Hurmach Y., Rudyk M. et al. Effect of bacteriophage-derived double stranded RNA on rat peritoneal macrophages and microglia in normoxia and hypoxia. <i>PROCEEDINGS OF THE LATVIAN ACADEMY OF SCIENCES</i>. Section B, Vol. 75 (2021), No. 5 (734), pp. 20–30.</li> <li>25. Skivka L., Gahramanova M., Rudyk M. et al. Anti-inflammatory and hepatoprotective effects of polyherbal composition in patients with chronic cholecystitis. <i>The Ukrainian Biochemical Journal</i>. – 2020. -Т.92, №.4. - С.78-85.</li> <li>26. Hurmach Y., Prylutska SV, Rudyk MP et al. C60 fullerene governs doxorubicin effect on metabolic profile of rat microglial cells in vitro. <i>Molecular Pharmaceutics</i>. – 2020. – 17, 9. – P. 3622–3632</li> <li>27. Gahramanova M., Ostapchuk A., Molozhava O., Rudyk M. Fatty acid composition of purslane seed water extract and its effect on metabolic profile of murine peritoneal macrophages. <i>Biotechnologia Acta</i>. – 2020. - V. 13, No 4. - P. 39-48.</li> <li>28. Gahramanova M., Dovhyi R., Rudyk M., Molozhava O., Svyatetska V., Skivka L. Phytochemical screening of polyherbal composition based on <i>Portulaca oleracea</i> and it's effect on macrophage oxidative metabolism. <i>Biotechnologia Acta</i>, 2019, V. 12, No 2, 63-70.</li> <li>29. Skivka LM, Prylutska SV, Rudyk MP et al. C60 fullerene and its nanocomplexes with anticancer drugs modulate circulating phagocyte functions and dramatically increase ROS generation in transformed monocytes// <i>Cancer Nanotechnology</i>. – 2018. - 9. - P.85.</li> <li>30. Fedorchuk O., Susak Y., Rudyk M., Senchylo N. et al. Immunological hallmarks of cis-DDP-resistant Lewis lung carcinoma cells// <i>Cancer Chemo-therapy and Pharmacology</i>. – 2018. - 81(2). - P. 373-385.</li> <li>31. Hurmach Y., Rudyk M., Svyatetskaya V., Skivka L. Effect of intracranial catheter placement on microglia metabolic profile in rats. <i>Biotechnologia acta</i>. – 2018. – 4. – P. 80-86.</li> <li>32. Hurmach Y., Rudyk M., Svyatetskaya V., Senchylo N. et al. The effect of intranasally administrated TLR3 agonist Iarifan on metabolic profile of microglial cells in rat with C6 glioma. <i>Ukrainian Biochemical Journal</i>. – 2018. - 6. - P. 110-119.</li> <li>33. Rudyk M.P., Pozur V.V., Voieikova D.O., Hurmach YV, Khranovska NM, Skachkova OV, Svyatetska VM, Fedorchuk OG, Skivka LM, Berehova TV, Ostapchenko LI. Sex-based differences in phagocyte metabolic profile in rats with monosodium glutamate-induced obesity. // <i>Sci. Rep.</i> 2018. - 8(1). – P. 5419.</li> <li>34. Irina I. Rudneva, Maria P. Rudyk, Victoria V. Shepelevich, Larisa M. Skivka, Natalia N. Roslova, Ekaterina N. Skuratovskaya, Irina I. Chesnokova, Valentin G. Shaida, and Tatiana B. Kovyreshina. Chapter 19 (Part IV). Response of Marine Fish Liver on Environmental Pollution. (P. 383-401) in <i>Heavy Metals and Other Pollutants in the Environment: Biological Aspects</i>. Red. Gennady E. Zaikov, Larissa I. Weisfeld, Eugene M. Lisitsyn, Sarra A. Bekuzarova. July 11, 2017 by Apple Academic Press - 438 P.</li> <li>35. I. Prysiazniuk, M. P. Rudyk, T. M. Chervinska, T. V. Dovbynychuk, I. V. Opeida, L. M. Skivka, G. M. Tolstanova. Role of peripheral dopaminergic system in the pathogenesis of experimental colitis in rats // <i>Ukr.Biochem.J.</i> 2017; Vol. 89, № 4, pp. 56-67.</li> <li>36. M. Rudyk, O. Fedorchuk, Ya. Susak, Ya. Nowicky, L. Skivka. Introduction of antineoplastic drug NSC631570 in an inpatient and outpatient setting: comparative evaluation of biological effects // <i>Asian J Pharm Sci</i>, Vol 11, № 2, 2016, P. 308–317.</li> <li>37. Skivka LM, Fedorchuk OG, Susak YM, Susak MY, Malanchuk OM, Rudyk MP, Nowicky YW. Physical activity interferes with the immunomodulatory effect of the antineoplastic drug NSC631570. <i>Curr Pharm Biotechnol.</i> 2015;16(1):49-59.</li> <li>38. Putnikov A.V., Rudyk M.P., Pozur V.V., Furzikova T.M., Ostapchuk A.M., Tolstanova G.M., Skivka L.M. Effect of multiprobiotic «SYMBITER ACIDOPHILIC» used against the background of the course of injections of ceftriaxone antibiotic on peritoneal macrophage functional activity of rat // <i>Microbiology &amp; Biotechnology</i>. – 2014. – 2 (26). – P. 74-85.</li> </ol> |
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|                   | <p>39. Skivka L.M. Antineoplastic drug NSC-631570 modulates functions of hypoxic macrophages / L.M. Skivka, O.G.Fedorchuk, M.P.Rudyk, V.V.Pozur, N.M. Khranovska, M.Yu. Grom, J.W.Nowicky // Cytology and Genetics. - 2013 . -47(5). – P.318-328</p> <p>40. Susak Y.M., Skivka L.M., Rudik M.P., Pozur V.V., Liubunya A.V. Comparative investigation of the effect of Ukrain on growth of ascite and solid forms of Ehrlich's carcinoma // Exp Oncol. – 2010. – Vol. 32, N 2. – P. 107-110</p> <p>41. O.A. Tanasienko, M.P. Rudyk, V.V. Pozur, G.P. Potebnya. Influence of bacterial lectins on some reactions of nonspecific immunity in sarcoma 37 transplanted mice // Experimental Oncology, – 2010. - Vol. 32, No. 4. – P. 254-257.</p> <p>42. Skivka LM, Rudik MP, Pozur VV, Senchilo NV, Pozur VK, Fursikova TM // The effects of the Staphylococcus aureus teichoic acid under the tumor grows // Biopolymers and cell - 2008. - №3. - P.212-217.</p> <p>43. Potebnya GP, Skivka LM, Pozur VV, Rudik MP, Senchilo NV, Fedorchuk OG, Khranovska NM. Influence of teichoic acid from S. aureus on metabolic activity of macrophages and cytotoxic activity of splenocytes of mice bearing Lewis lung carcinoma // Exp Oncol. 2008 Sep; 30(3):220-3.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Projects          | <p>1. The search for the novel markers of Parkinson's disease diagnostic (Grant from the President of the Ukraine to support of young researchers in 2017)</p> <p>2. The influence of <sup>64</sup>Zn-asp on indexes of systemic immunologic reactivity, oxidant-antioxidant reactivity, behavioural and motor functions during the experimental parkinsonism. Project executor. (Project participant is Vector Vitale LLC, artificial person located in the USA).</p> <p>3. The effect of <sup>64</sup>Zn-asp on cognitive symptomatology in rats with different models of Alzheimer's disease induced by infusion of a mix of beta-amyloid peptides: pilot study. Project executor.</p> <p>4. The effect of <sup>64</sup>Zn-asp and <sup>64</sup>Zn-asp containing 30% <math>\beta</math>2+85Rb on local and systemic immune reactivity, behavioural and motor functions in rats with LPS-induced experimental parkinsonism. Project executor.</p> <p>5. Research work under the two-year contract No. M/19-2023 (in cooperation with Latvian partners) on the topic "The effect of bacteriophage double-stranded RNA on macrophages in the context of the COVID-19 pandemic" as an executor (State registration number: 0123U103339).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Conferences       | <p>1. «Microbiology and Immunology - the Development Outlook in the 21st century» II International Scientific Conference, September, 22-23, 2022, Kyiv, Ukraine.</p> <p>2. The 26th International Association of Pancreatology_The 53rd Annual Meeting of Japan Pancreas Society (IAP&amp;JPS), Kyoto, July 7-9, 2022</p> <p>3. The 52nd Annual Scientific Meeting of the European Society for Clinical Investigation, Barcelona, Spain, 30th May – 1st June, 2018. - P. 73. Poster Presentation. Travel Grant Award</p> <p>4. The 5th European Congress of Immunology. Amsterdam, Netherlands, 2-5 September, 2018. – P. 155. Poster Presentation. Travel Grant Award</p> <p>5. The 51st Annual Scientific Meeting of the European Society for Clinical Investigation. Genoa, Italy 17-19 May, 2017. Oral Presentation. Travel Grant Award</p> <p>6. The 50th Annual Scientific Meeting of the European Society for Clinical Investigation. Paris, France 27 – 29 April, 2016.</p> <p>7. «Microbiology and Immunology - the Development Outlook in the 21st century» II International Scientific Conference, April 14-15, 2016, Kyiv, Ukraine. Poster Presentation.</p> <p>8. The Fourth European Conference on Biology and Medical Sciences (13th January, 2015) "East West" Association for Advanced studies and Higher Education GmbH, Vienna, Austria.</p> <p>9. The 4th Euro-mediterranean Conference of Natural Products, Cairo/Sharm, Egypt. 3-4 March 2015. Poster Presentation.</p> <p>10. The 49th Annual Scientific Meeting of the European Society for Clinical Investigation, Cluj-Napoca, Romania. 27 -30 May 2015. Oral Presentation. Travel Grant Award</p> <p>11. The 45th Annual Scientific Meeting of the European Society for Clinical Investigation, Crete, Greece.- 13-16 April 2011. Poster Presentation. Travel Grant Award</p> |
| Awards and Prizes | The 2 <sup>nd</sup> place for the best oral presentation in «Modern cancer therapy» section of The 1 <sup>st</sup> Multidisciplinary Symposium "Molecular oncology: from laboratory bench to medicine" (2012)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Membership        | S.M. Vinogradsky Society of Microbiologists of Ukraine, Ukrainian Society of Experts on Immunology, Allergology and Immunorehabilitation, Ukrainian Biochemical Society, European Society for Clinical Investigation, The Federation of European Biochemical Societies, European Federation of Immunological Societies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Courses           | Courses in Business English and Upper-Intermediate English (British council, Ukraine), Upper-Intermediate English (International House Kyiv, Cambridge English and Oxford class, Kyiv)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Metrics overview  | 135 Citations by 113 documents (Scopus), h-index: 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Appendices

| Item         | Links                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| Publications | <a href="https://onlinelibrary.wiley.com/doi/10.1002/eji.202470023">https://onlinelibrary.wiley.com/doi/10.1002/eji.202470023</a><br><a href="https://pubmed.ncbi.nlm.nih.gov/36775075/">https://pubmed.ncbi.nlm.nih.gov/36775075/</a><br><a href="https://www.sciencedirect.com/science/article/pii/S2666354623000303">https://www.sciencedirect.com/science/article/pii/S2666354623000303</a><br><a href="https://pubmed.ncbi.nlm.nih.gov/37206076/">https://pubmed.ncbi.nlm.nih.gov/37206076/</a><br><a href="https://pubmed.ncbi.nlm.nih.gov/36017665/">https://pubmed.ncbi.nlm.nih.gov/36017665/</a><br><a href="https://pubmed.ncbi.nlm.nih.gov/38679313/">https://pubmed.ncbi.nlm.nih.gov/38679313/</a><br><a href="https://biotechnology.kiev.ua/index.php/en/journal-archive-en/2023-en/2023-no6-en/polarized-activation-of-human-peripheral-blood-phagocytes-by-bacteriophage-derived-double-stranded-rna-larifan-in-vitro-r-dovhyi-m-rudyk-ye-hurmach-t-serhiichuk-yu-yumyna-a-dvukhriadkina-k-ostrovskaya-d-pjanova-l-skvika">https://biotechnology.kiev.ua/index.php/en/journal-archive-en/2023-en/2023-no6-en/polarized-activation-of-human-peripheral-blood-phagocytes-by-bacteriophage-derived-double-stranded-rna-larifan-in-vitro-r-dovhyi-m-rudyk-ye-hurmach-t-serhiichuk-yu-yumyna-a-dvukhriadkina-k-ostrovskaya-d-pjanova-l-skvika</a><br><a href="https://www.sciencedirect.com/science/article/pii/S0889159123000314?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S0889159123000314?via%3Dihub</a><br><a href="https://linkinghub.elsevier.com/retrieve/pii/S2405844023005881">https://linkinghub.elsevier.com/retrieve/pii/S2405844023005881</a><br><a href="https://www.degruyter.com/document/doi/10.1515/jcim-2020-0098/html">https://www.degruyter.com/document/doi/10.1515/jcim-2020-0098/html</a><br><a href="http://ukrbiochemjournal.org/2022/04/systemic-inflammation-biomarkers-in-6-ohda-and-lps-induced-parkinsons-disease-in-rats.html">http://ukrbiochemjournal.org/2022/04/systemic-inflammation-biomarkers-in-6-ohda-and-lps-induced-parkinsons-disease-in-rats.html</a><br><a href="https://www.wjgnet.com/1948-9366/full/v14/i1/64.htm">https://www.wjgnet.com/1948-9366/full/v14/i1/64.htm</a><br><a href="https://sciendo.com/de/article/10.2478/prolas-2021-0050">https://sciendo.com/de/article/10.2478/prolas-2021-0050</a><br><a href="http://biotechnology.kiev.ua/index.php?option=com_content&amp;view=article&amp;id=1027%3A-m-o-m-&amp;catid=151%3A2020--4&amp;Itemid=167&amp;lang=en">http://biotechnology.kiev.ua/index.php?option=com_content&amp;view=article&amp;id=1027%3A-m-o-m-&amp;catid=151%3A2020--4&amp;Itemid=167&amp;lang=en</a><br><a href="https://pubs.acs.org/doi/abs/10.1021/acs.molpharmaceut.0c00691">https://pubs.acs.org/doi/abs/10.1021/acs.molpharmaceut.0c00691</a><br><a href="http://ukrbiochemjournal.org/2020/09/anti-inflammatory-and-hepatoprotective-effects-of-polyherbal-composition-in-patients-with-chronic-cholecystitis.html">http://ukrbiochemjournal.org/2020/09/anti-inflammatory-and-hepatoprotective-effects-of-polyherbal-composition-in-patients-with-chronic-cholecystitis.html</a><br><a href="http://biotechnology.kiev.ua/index.php?option=com_content&amp;view=article&amp;id=932:-portulaca-oleracea-m-m-o-&amp;catid=139:2019-2&amp;Itemid=158&amp;lang=en">http://biotechnology.kiev.ua/index.php?option=com_content&amp;view=article&amp;id=932:-portulaca-oleracea-m-m-o-&amp;catid=139:2019-2&amp;Itemid=158&amp;lang=en</a><br><a href="https://cancer-nano.biomedcentral.com/articles/10.1186/s12645-017-0034-0">https://cancer-nano.biomedcentral.com/articles/10.1186/s12645-017-0034-0</a><br><a href="http://biotechnology.kiev.ua/index.php?option=com_content&amp;view=article&amp;id=880%3A2018-12-19-17-50-17&amp;catid=123%3A2017&amp;lang=en">http://biotechnology.kiev.ua/index.php?option=com_content&amp;view=article&amp;id=880%3A2018-12-19-17-50-17&amp;catid=123%3A2017&amp;lang=en</a><br><a href="https://www.ncbi.nlm.nih.gov/pubmed/29615659">https://www.ncbi.nlm.nih.gov/pubmed/29615659</a><br><a href="http://ukrbiochemjournal.org/2018/11/the-effect-of-intranasally-administered-tlr3-agonist-larifan-on-metabolic-profile-of-microglial-cells-in-rat-with-c6-glioma.html">http://ukrbiochemjournal.org/2018/11/the-effect-of-intranasally-administered-tlr3-agonist-larifan-on-metabolic-profile-of-microglial-cells-in-rat-with-c6-glioma.html</a><br><a href="http://www.biopolymers.org.ua/archive/2008/03/rus/Skvika-vent.pdf">http://www.biopolymers.org.ua/archive/2008/03/rus/Skvika-vent.pdf</a><br><a 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