Curriculum Vitae

PERSONAL RECORDS

Taras Zadvornyi

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Sex M
Date of birth 22/06/1992
Nationality Ukraine

Department of cytomorphology, molecular and biological markers of tumor growth

EDUCATION AND QUALIFICATION

2021	PhD in Oncology; R.E. Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology, National Academy of Sciences of Ukraine, Kyiv (IEPOR NAS of Ukraine) Topic: *Molecular biological features associated with the malignancy degree of prostate cancer*
2015	MSc in Immunology; Taras Shevchenko National University of Kyiv (Educational and Scientific Centre "Institute of Biology") Thesis title: *Immunochemical ferritin determination as breast cancer prognostic factor*
2013	BSc in Biology Taras Shevchenko National University of Kyiv (Educational and Scientific Centre "Institute of Biology")

WORKING EXPIRIENCE

Present position:

Scince 2025	Senior Researcher; Department of Cytomorphology and Molecular Biological Markers of Tumor Growth, IEPOR NAS of Ukraine
Scince 2023	Visiting Lecturer, Department of Department of Microbiology and Immunology in Educational and Scientific Center "Institute of Biology and Medicine", Taras Shevchenko National University of Kyiv (on an hourly basis)

Previous positions:

2021-2025	Researcher; Laboratory of Drug Resistance Mechanisms, IEPOR NAS of Ukraine
2018-2021	Junior Researcher; Laboratory of Drug Resistance Mechanisms, IEPOR NAS of Ukraine
2015-2018	Lead Engineer; Laboratory of Drug Resistance Mechanisms, IEPOR NAS of Ukraine
2014-2015	Engineer; Department of Tumor Process Monitoring and Therapy Design, IEPOR NAS of Ukraine
2011-2013	Intern; Laboratory of Clinical Immunology, FG Yanovsky National Institute of Phthisiology and pulmonology, NAMS of Ukraine, Kyiv

SCIENTIFIC INTERESTS

Tumor microenvironment
Cytomorphology hormone-dependent tumors
Cancer epigenetics
Cancer stem cells
Iron-binding proteins

SELECTED PUBLICATIONS

Zadvornyi T. (2025). Digital Pathology as an Innovative Tool for Improving Cancer Diagnosis and Treatment. Experimental Oncology, 46(4), 289–294. doi: 10.15407/exp-oncology.2024.04.289

Mushii O, Pavlova A, Bazas V, Zadvornyi T, Lukianova N. (2024). Osteopontin-regulated changes in the mast cell population associated with breast cancer. Experimental Oncology, 46(3), 209–220. doi: 10.15407/exp-oncology.2024.03.209

Chekhun V, Borikun T, Zadvornyi T, Mushii O, Stakhovsky E, Vitruk Y, Lukianova N. (2024). Osteonectin (SPARC) prognostic value in prostate cancer. Pathology-Research and Practice, 155053. doi:10.1016/j.prp.2023.155053

Lukianova N, Zadvornyi T, Borikun T, Mushii O, Pavlova A, Tymoshenko A, Stakhovskyi E, Vitruk I, Chekhun V. (2023). Significance of osteopontin for predicting aggressiveness of prostate cancer. Exp Oncol, 45(3), 312–321. doi: 10.15407/exp-oncology.2023.03.312

Lukianova N, Mushii O, Zadvornyi T, Chekhun V. (2024). Development of an algorithm for biomedical image analysis of the spatial organization of collagen in breast cancer tissue of patients with different clinical status. FEBS Open Bio, 14(2024), 675–686. doi: 10.1002/2211-5463.13773

Zadvornyi T, Lukianova N, Mushii O, Pavlova A, Voronina O, Chekhun V. (2023). Benign and malignant prostate neoplasms show different spatial organization of collagen. Croatian Medical Journal, 64(6), 413-420. doi:10.3325/cmj.2023.64.413

Chekhun V.F., Lukianova N.Yu., Borikun T.V., Bazas V.M., Yalovenko T.M., Shepelenko I.V., Zadvornyi T.V., Kliusov O.M., Dumanskii Y.V. / Chapter 2. The expression profile of tissue and circulating miRNAs for optimization of neoadjuvant therapy of breast cancer patients // Horizons in Cancer Research 2021; 80: 63-112. ISBN: 978-1-53619-563-7

Chekhun V.F., Lukianova N.Yu., Polishchuk L.Z., Nalieskina L.A., Zadvornyi T.V., Storchai D.M., Todor I.N., Sobchenko S.O., Demash D.V., Yalovenko T.M., Borikun T.V., Lozovska Yu.V., Vitruk Yu.V., Chepurnatyi M.V., Pikul M.V., Stakhovsky O.E., Voilenko O.A., Stakhovsky E.O. / Chapter 3. The role of lactoferrin expression in initiation and progression of most common hormone-dependent cancers // Horizons in Cancer Research 2017; 66: 51-85. ISBN: 978-1-53611-011-1

Zadvornyi T., Lukianova N., Borikun T., Tymoshenko A., Mushii O., Voronina O., Vitruk I., Stakhovsky E., Chekhun V. (2022). Mast cells as a tumor microenvironment factor associated with the aggressiveness of prostate cancer. Neoplasma, 69(6), 1490-1498. doi:10.4149/neo_2022_221014N1020

Bezdieniezhnykh N., Lykhova A., Kozak T., Zadvornyi T., Borikun T., Voronina O., & Lukianova N. (2022). Assessment of biosafety and toxicity of hydrophilic gel for implantation in experimental in vitro and in vivo models. BMC Pharmacology and Toxicology, 23(1), 37. doi: 10.1186/s40360-022-00577-3

Zadvornyi T.V., Lukianova N.Y., Borikun T.V., Chekhun V.F. Effects of exogenous lactoferrin on phenotypic profile and invasiveness of human prostate cancer cells (DU-145 and LNCAP) in vitro. Exp Oncol 2018; 40 (3): 184–189. doi:10.31768/2312-8852.2018.40(3):184-189

Lukianova N., Zadvornyi T., Kashuba E., Borikun T., Mushii O., & Chekhun V. (2022). Expression of markers of bone tissue remodeling in breast cancer and prostate cancer cells in vitro. Experimental Oncology, 44(1), 39-46.
doi: 10.32471/exp-oncology.2312-8852.vol-44-no-1.17354

Zadvornyi T.V., Lukianova N.Y., Borikun T.V., Vitruk Yu,V., Stakhovsky E.O., Chekhun V. F. NANOG as prognostic factor of prostate cancer course. Exp Oncol 2020; 42(2): 94-100.

AWARDS & EXCELLENCE

2024 — President of Ukraine Award for Young Scientists
2024 — President of Ukraine Scholarship for Young Scientists
2022 — National Academy of Sciences of Ukraine Scholarship for Young Scientists
2017 — National Academy of Sciences of Ukraine Scholarship for Young Scientists
2014 — Petro Bohach Scholarship of Taras Shevchenko National University of Kyiv

2024 — Danubius Young Scientist Award 2024 from the Federal Ministry of Education, Science and Research of Austria

2025 — 1st place for Best Oral Presentation at the 5th International Scientific Conference "Microbiology and Immunology – Development Perspectives in the 21st Century" (April 29–30, 2025, Kyiv, Ukraine)
2025 — 1st place in the Bio Art Award scientific photo competition by ESCI
2024 — Top Presentation Award (Poster) for a poster presentation at the Beyond Sciences Initiative 9th International Remote Conference: Science & Society, March 3–4, 2024
2024 — 3rd place in the Bio Art Award scientific photo competition by ESCI
2023 — EACR Researcher Development Grant for training in the Digital Pathology Certificate Course (The National Society for Histotechnology of the USA and the Digital Pathology Association of the USA)
2023 — Korean Society of Medical Oncology Travel Grant for participation in the 2023 International Conference of the Korean Society of Medical Oncology
2023 — James R. Carlyle Top Presenter Award for an oral presentation at the BSI 8th International Remote Conference, February 25–26, 2023
2023 — 3rd place in the Bio Art Award scientific photo competition by ESCI
2022 — 2nd place in the Bio Art Award scientific photo competition by ESCI
2022 — ESCI Travel Grant for participation in the 56th Annual Scientific Meeting of ESCI (Bari, Italy)
2022 — Wendy Havran Poster Presentation Award at the 7th Annual BSI Online Conference: Science & Society
2022 — EACR Young Scientist Scholarship for participation in the Virtual Conference "The Structural Microenvironment: Breaking Down the Walls of Cancer"
2018 — ACTERIA Travel Grant for participation in the 5th European Congress of Immunology (Amsterdam, Netherlands)
2018 — EFIS Young Scientist Scholarship for participation in the 12th EFIS-EJI Tatra Immunology Conference (Štrbské Pleso, Slovakia)
2016 — EFIS Young Scientist Scholarship for participation in the 11th EFIS-EJI Tatra Immunology Conference (Štrbské Pleso, Slovakia)
2015 — EFIS-EJI Travel Grant for participation in the 7th EFIS/EJI South East European Immunology School (Bečići, Montenegro)

SCIENTIFIC ORGANIZATIONAL AND EXPERT ACTIVITIES

Since 2020 — Member of the editorial board of the scientific-practical journal «Oncology»
Since 2022 — Executive secretary of the scientific journal «Experimental Oncology»

Since 2025 — Head of the Young Scientists Council Department of Biochemistry, Physiology and Molecular Biology of the NAS of Ukraine
Since 2024 — Head of the Young Scientists Council of the IEPOR NAS of Ukraine

Since 2022 — Member of the American Association for Cancer Research (AACR)
Since 2022 — Member of the European Association for Cancer Research (EACR)
Since 2020 — Member of the European Society for Clinical Investigation (ESCI)

Since 2020 — Member of the Ukrainian Biochemical Society
Since 2020 — Member of the Ukrainian Society of Cancer Research
Since 2018 — Member of the Ukrainian society of specialists for immunology. allergology and immunorehabilitation