

## CURRICULUM VITAE



**Inna Gordiienko**

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Gender: F

Date of birth: 24/11/1990

Citizenship: Ukraine

<b>Academic degree (degree, speciality)</b>	PhD, 14.01.07. – oncology
<b>Position</b>	researcher
<b>Department</b>	Cancer genetic and oncohematology
<b>Institute</b>	R.E. Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology, NAS of Ukraine
<b>Pert-time position</b>	Head of the biotechnological laboratory, biologist at the “Good Cells” Medical center
<b>ORCID ID:</b>	0000-0003-3759-6138
<b>Scopus Author ID</b>	56175505900
<b>Google Scholar:</b>	<a href="https://scholar.google.com/citations?user=f5N4pUcAAAAJ&amp;hl=uk">https://scholar.google.com/citations?user=f5N4pUcAAAAJ&amp;hl=uk</a>
<b>h-index</b>	8
<b>Citation</b>	136

### WORK EXPERIENCE

Period	Description
<b>From 2018 till present</b>	<b>Position:</b> researcher
	R.E. Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology, NAS of Ukraine, Ukraine, 03022, Kyiv, 45 Vasylykivska st.
	<b>Field of activity:</b> education/science
<b>From 2022 till present</b>	Head of the biotechnological laboratory, biologist
	GOOD CELLS LLC, Ukraine, 03115, Kyiv, Ivana Kramskoho St., 9
	<b>Field of activity:</b> health care/science
<b>From 2016 to 2020</b>	<b>Position:</b> biologist
	Medical company Ilaya, Ukraine, 03115, Kyiv, Ivana Kramskoho St., 9
	<b>Field of activity:</b> health care
<b>From 2017 to 2018</b>	<b>Position:</b> junior researcher
	R.E. Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology, NAS of Ukraine, Ukraine, 03022, Kyiv, 45 Vasylykivska st.
	<b>Field of activity:</b> science
<b>From 2014 to 2017</b>	<b>Position:</b> leader engineer
	R.E. Kavetsky Institute of Experimental Pathology, Oncology

	and Radiobiology, NAS of Ukraine, Ukraine, 03022, Kyiv, 45 Vasylkivska st.
	<b>Field of activity:</b> science

## EDUCATION AND TRAINING

Period	Description
September 2023	Practical course “Basic to work with extracellular vesicles”, Estonian University of Life Sciences
From March 2021 to May 2021	Training courses “Laboratory Genetics” (specialist) Shupyk National Healthcare University of Ukraine
From 2014 to 2017	PhD at R.E. Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology, NAS of Ukraine. PhD project “Expression and signaling properties of CD150 receptor in chronic lymphocytic leukemia B cells”.
2017	FEBS Advanced Lecture Course “Immune Systems: Genes, Receptors and Regulation” Hvar Island, Croatia.
2016	One-month training fellowship at Nencki Institute of Experimental Biology, Poland Academy of Science, Laboratory of Cytometry (Head Katarzyna Piwocka).
From 2012 to 2014	M.Sc., Educational and Scientific Centre “Institute of Biology”, Taras Shevchenko National University of Kyiv
From 2008 to 2012	B.Sc., Educational and Scientific Centre “Institute of Biology”, Taras Shevchenko National University of Kyiv

## TEACHING ACTIVITY:

<b>In the current year</b>	<ol style="list-style-type: none"> <li>1. Molecular and cellular pathobiology, PhD program, speciality 091 «Biology», lectures, practical work, seminars</li> <li>2. Signal transduction pathways in cells of immune system, master (first year), speciality 091 «Biology», lectures, Educational and Scientific Center "Institute of Biology and Medicine"</li> <li>3. Immunology of transplantation, master (first year), speciality 091 «Biology», lectures, Educational and Scientific Center "Institute of Biology and Medicine"</li> </ol>
<b>Last years</b>	<ol style="list-style-type: none"> <li>1. Molecular and cellular pathobiology, PhD program, speciality 091 «Biology», lectures, practical work, seminars</li> <li>2. Signal transduction pathways in cells of immune system, master (second year), speciality 091 «Biology», lectures, practical work, Educational and Scientific Center “Institute of Biology and Medicine”.</li> <li>3. Molecular immunology, master (second year), speciality 091 «Biology», lectures, practical work, Educational and Scientific Center “Institute of Biology and Medicine”.</li> <li>4. System of intercellular communications and cell differentiation, bachelor, speciality 091 «Biology», lectures, Educational and Scientific Center «Institute of Biology and Medicine».</li> <li>5. Immunology of transplantation, master (first year), speciality 091 «Biology», lectures, Educational and Scientific Center "Institute of Biology and Medicine"</li> </ol>

## PERSONAL SKILLS AND COMPETENCES

Item	Level
<b>Language Proficiency</b>	
Ukrainian	Native language
English	B2
Organizational/Manager Skills and Competences	Management of the research project carried out within the grant for young scientists of the National Academy of Sciences of Ukraine, participation in the organization of scientific and practical conferences and events to promote science.
Computer Skills and Competences	MS Office (Excel, Power Point, Word), ImageJ, Totallab, Graph Pad Prism, Statistica, FreeHand, Adobe Photoshop, Adobe Illustrator.
Methodological and Technical Expertise	work with laboratory animals, eukaryotic and prokaryotic cell cultures, isolation of cell subpopulations by magnetic separation, isolation, cultivation and large-scale expansion of stem cells from different tissue origin (bone marrow, adipose tissue, bone, hair follicle), isolation of extracellular vesicles, NTA analysis, flow cytometry, molecular biology methods (nucleic acid extraction, PCR, RT-PCR, Q-PCR, electrophoresis, western-blotting, immunoprecipitation), transformation of bacteria with plasmid DNA, transfection of eukaryotic cells using calcium-phosphate method or electroporation, lentiviral transduction, histological and immunohistochemical methods, immunofluorescence methods.
Range of Professional Interests	Stem cells-based therapy of human diseases. The molecular mechanisms that underlie cell fate decision – proliferation, cell death, differentiation, transdifferentiation, malignant transformation etc. Receptor-mediated signal transduction pathways in normal and malignant cells.

## PUBLICATION

<b>Publications</b>	<ol style="list-style-type: none"> <li>1. Buchynska L, Gordiienko I, Glushchenko N, Iurchenko N (2024) The KRAS, ATR and CHEK1 expression levels in endometrial cancer are the risk factors predicting recurrence. PLoS ONE 19(4): e0302075. <a href="https://doi.org/10.1371/journal.pone.0302075">https://doi.org/10.1371/journal.pone.0302075</a></li> <li>2. Gordiienko, I., Scherbina, V., &amp; Shlapatska, L. (2024). Soluble CD150 isoform level in plasma of chronic lymphocytic leukemia patients. Experimental Oncology, 45(4), 457–462. <a href="https://doi.org/10.15407/exp-oncology.2023.04.457">https://doi.org/10.15407/exp-oncology.2023.04.457</a></li> <li>3. Shlapatska, L., Gordiienko, I., Polishchuk, A., &amp; Gluzman, D. (2023). Profile of CD150 expression in bone marrow cells of patients with acute myeloid leukemia. Experimental Oncology, 44(3), 198–207. <a href="https://doi.org/10.32471/exp-oncology.2312-8852.vol-44-no-3.18307">https://doi.org/10.32471/exp-oncology.2312-8852.vol-44-no-3.18307</a></li> <li>4. Gordiienko, I., Lykhova, O., Shcherbina, V., &amp; Shlapatska, L. (2023). SLAMF1/CD150 expression and topology in prostate and breast cancer cell lines. Experimental Oncology, 43(4), 312–316. <a href="https://doi.org/10.32471/exp-oncology.2312-8852.vol-43-no-4.17010">https://doi.org/10.32471/exp-oncology.2312-8852.vol-43-no-4.17010</a></li> </ol>
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	<p>5. Shcherbina V, Gordiienko I, Shlapatska L, Gluzman D, Sidorenko S. / CD150 and CD180 are negative regulators of IL-10 expression and secretion in chronic lymphocytic leukemia B cells // Neoplasma. – 2021. DOI: <a href="https://doi.org/10.4149/neo_2021_210104n8">10.4149/neo_2021_210104n8</a>.</p> <p>6. Shlapatska, L. M.; Gordiienko, I. M.; Kovalevska, L. M.; Sidorenko, S. P. / The biological properties of HEK293T cell line transfected with mCD150 and nCD150 isoforms of CD150/SLAMF1 receptor // Biopolymers &amp; Cell. – 2020. - Vol. 36, Issue 2, p99-109. <a href="http://dx.doi.org/10.7124/bc.000A24">http://dx.doi.org/10.7124/bc.000A24</a></p> <p>7. Shcherbina V., Gordiienko I., Shlapatska L., Ivanivska T., Sidorenko S. / Sensitivity of chronic lymphocytic leukemia cells to chemotherapeutic drugs ex vivo depends on expression status of cell surface receptors // Experimental Oncology. – 2020. – Vol. 42, N1. - P. 16-24. DOI: <a href="https://doi.org/10.32471/exp-oncology.2312-8852.vol-42-no-1.14093">10.32471/exp-oncology.2312-8852.vol-42-no-1.14093</a></p> <p>8. R.G Vasyliiev, O.S. Gubar, <b>I.M. Gordiienko</b>, L.S Litvinova, et al. / Comparative Analysis of Biological Properties of Large-Scale Expanded Adult Neural Crest-Derived Stem Cells Isolated from Human Hair Follicle and Skin Dermis // Stem cells international. – 2019, ID 9640790. <a href="https://doi.org/10.1155/2019/9640790">https://doi.org/10.1155/2019/9640790</a></p> <p>9. <b>I. Gordiienko</b>, L. Shlapatska, L. Kovalevska, S.P Sidorenko / SLAMF1/CD150 in hematologic malignancies: Silent marker or active player? // Clinical Immunology. – 2019. – Vol.204. – p. 14-22. <a href="https://doi.org/10.1016/j.clim.2018.10.015">https://doi.org/10.1016/j.clim.2018.10.015</a></p> <p>10. AV Zlatska, <b>IM Gordiienko</b>, DO Zubov, RG Vasyliiev, SN Novikova / Expression of estrogen and progesterone receptors by human endometrial multipotent mesenchymal stromal/stem cells in vitro under hypoxia conditions // Biotechnologia Acta. – 2019. – Vol. 12 (1). – p. 81-85</p> <p>11. A. Zlatska, <b>I. Gordiienko</b>, R. Vasyliiev, D. Zubov, O. Gubar, A. Rodnichenko, A. Syroeshkin, I. Zlatskiy / In Vitro Study of Deuterium Effect on Biological Properties of Human Cultured Adipose-Derived Stem Cells // The Scientific World Journal. – 2018, ID 5454367. <a href="https://doi.org/10.1155/2018/5454367">https://doi.org/10.1155/2018/5454367</a></p>
<b>Grants</b>	N0118U002325 “Finding new approaches in the regulation of chronic lymphocytic leukemia pathobiology”. Project manager
<b>Conferences</b>	<p>1. Gordiienko I., Shlapatska L., Kholodniuk V., Sklyarenko L., Sidorenko S. SLAMF1/CD150-mediated signalling in chronic lymphocytic leukemia. XI Parnas conference, Young Scientific Forum “Biochemistry and Molecular Biology for Innovative Medicine”. The Ukrainian Biochemical Journal, Vol.90, Special Issue, p.15, 3-5 September, Kyiv, Ukraine, 2018 (oral presentation)</p> <p>2. Gordiienko I., Shlapatska L., Kholodniuk V., Sklyarenko L., Sidorenko S. / Simultaneous CD150 and CD180 ligation mutually inhibit Akt and MAPK signal transduction pathways in</p>

	the chronic lymphocytic leukemia B cells // Mini-symposium “New trends in cancer reaserch and innovative tumor vaccines”, 11 May 2018, Kyiv, Ukraine. Experimental Oncology. – 2017. – Vol. 39, N2. - P. 158. (oral presentation)
<b>Membership</b>	Ukrainian Biochemical Society, Ukrainian Society of Cell Biology, International Society for Extracellular Vesicles