



## Curriculum Vitae

## PERSONAL INFORMATION



## Ostrovska Galyna Vitaliivna

2 Akademika Hlushkova Ave., 03022 Kyiv, Ukraine

(64/13 Volodymyrska str., 01601 Kyiv, Ukraine)

521-32-69

[g\\_ostrovska@univ.net.ua](mailto:g_ostrovska@univ.net.ua), [ostr@ukr.net](mailto:ostr@ukr.net)



Account (profile) in scientific databases: Scopus Author ID: 6504493227

Sex F | Date of birth | Citizenship Ukraine

Scientific degrees (specialization)	DSc, 03.00.02 – biophysic
Academic rank	Professor
Position	professor
Department	Cytology, histology and reproductive medicine
Faculty/Institute	ESC «Institute of biology and medicine»
Part-time position	–

## EDUCATIONAL DISCIPLINES IN WHICH WAS INVOLVED:

Current year	<ol style="list-style-type: none"> <li>«General Hystology», educational degree «Bachelor», 1<sup>st</sup> course, full-time form of study, lectures.</li> <li>«Cytochemistry», educational degree «Bachelor», 4<sup>th</sup> course, full-time form of study, lectures and laboratory classes.</li> <li>«Laboratory course», educational degree «Bachelor», 4<sup>th</sup> course, full-time form of study, laboratory classes.</li> <li>«Pathology of Reproductive System», educational degree «Bachelor», 4<sup>th</sup> course, full-time form of study, lectures and laboratory classes.</li> <li>«Genetics of Ontogenesis», educational degree «Bachelor», 4<sup>th</sup> course, full-time form of study, lectures and laboratory classes.</li> <li>«Cytogenetic bases of embryonic development», educational degree «Bachelor», 4<sup>th</sup> course, full-time form of study, lectures and laboratory classes.</li> <li>«Pathology of Reproductive System», educational degree «Bachelor», 4<sup>th</sup> course, full-time form of study, lectures and laboratory classes.</li> <li>«Stem Cells», Master», 1<sup>st</sup> course, full-time form of study, lectures and laboratory classes</li> <li>«Mechanisms of Oncogenesis», educational degree «Master», 2<sup>nd</sup> course, full-time form of study, lectures and laboratory classes.</li> <li>«Special Histology», », 4<sup>th</sup> course, full-time form of study, lectures.</li> </ol>
Previous years	<ol style="list-style-type: none"> <li>«General Hystology», educational degree «Bachelor», 1<sup>st</sup> course, full-time form of study, lectures.</li> <li>«General Cytology and Hystology», educational degree «Bachelor», 1<sup>st</sup> course (Institute of High Technology), full-time form of study, lectures.</li> <li>«Histology, Cytology, Embryology», educational degree «Bachelor», 1<sup>st</sup> course, full-time form of study, lectures.</li> <li>«Cytochemistry», educational degree «Bachelor», 4<sup>th</sup> course, full-time form of study, lectures and laboratory classes.</li> <li>«Signal Systems of cell», educational degree «Master», 2<sup>nd</sup> course, full-time</li> </ol>

	<p>form of study, lectures and laboratory classes.</p> <p>6. «Laboratory course», educational degree «Bachelor», 4th course, full-time form of study, laboratory classes.</p> <p>7. «Karyology», educational degree «Master», 1st course, full-time form of study, lectures and laboratory classes.</p> <p>8. «Receptors of Bioregulator», educational degree «Master», 1st and 2nd course, full-time form of study, lectures and laboratory classes.</p> <p>9. «Mechanisms of Cell Differentiation», Master», 2nd course, full-time form of study, lectures and laboratory classes</p> <p>10. «Mechanisms of cell mobility», educational degree «Master», 1st and 2nd course, full-time form of study, lectures and laboratory classes.</p> <p>11. «Cellular engineering», educational degree «Bachelor», 3rd course, full-time form of study, lectures and laboratory classes.</p> <p>12. «Cell Basics of Oncogenesis», educational degree «Master», 1st course, full-time and extramural forms of study, lectures and laboratory classes.</p> <p>13. «Cytogenetics», educational degree «Master», 1st course, full-time forms of study, lectures and laboratory classes.</p>
--	---

## CAREER/EMPLOYMENT

Period (starting from last)	Description
2007	received the title of professor of the department of cytology, histology and developmental biology
since 2006	<p><b>Position:</b> Professor at the Department of Cytology, Histology and Developmental Biology (from 2016 – Department of Cytology, Histology and Reproductive Medicine)</p> <p><b>Name of the organization:</b> Taras Shevchenko National University of Kyiv (64/13 Volodymyrska str., 01601 Kyiv, Ukraine; WEB-site: <a href="http://www.univ.kiev.ua">http://www.univ.kiev.ua</a>)</p> <p><b>Main activity and job description:</b> participation in the organization of teaching and research work of the department, lectures on compulsory courses and free choice disciplines, management of sections of scientific work of the department, scientific work of postgraduates and students</p> <p><b>Area of activity:</b> Education / Science</p>
from 2002 to 2006	<p><b>Position:</b> Assistant Professor at the Department of Cytology, Histology and Developmental Biology</p> <p><b>Name of the organization:</b> Taras Shevchenko National University of Kyiv (64/13 Volodymyrska str., 01601 Kyiv, Ukraine; WEB-site: <a href="http://www.univ.kiev.ua">http://www.univ.kiev.ua</a>)</p> <p><b>Main activity and job description:</b> lectures and labs, practical classes on compulsory courses, conducting research on the subject of the department, leadership of scientific work and students</p> <p><b>Area of activity:</b> Education / Science</p>
2002	The title of Associate Professor of the Department of Medical Biology was received
1999 p.	The scientific rank of senior research worker on the specialty "Biochemistry" has been received.
3 1997 по 2002 pp.	<p><b>Position:</b> Senior Researcher, Department of Membranology, Taras Shevchenko National University</p> <p><b>Main activity and job description:</b> Conducting fundamental and applied researches of mechanisms of antitumor and membranotropic influence of natural and synthetic bioregulators</p> <p>Part time: Associate Professor of the Department of Medical Biology of the Medical Institute of the Ukrainian Association of Non-Traditional Medicine</p> <p><b>Area of activity:</b> Education / Science</p>
3 1995 по 1997 pp.	<p><b>Position:</b> Researcher, Department of Membranology, Taras Shevchenko National University</p> <p><b>Main activity and job description:</b> Conducting of fundamental and applied researches of mechanisms of antitumor and membranotropic influence of natural and synthetic bioregulators</p> <p>Part time: Senior Lecturer of the Department of Medical Biology of the Medical Institute of the Ukrainian Association of Non-Traditional Medicine</p> <p><b>Area of activity:</b> Education / Science</p>

3 1983 no 1995 pp.	<b>Position:</b> engineer and junior researcher at the department of regulation of cellular metabolism of the biological faculty of the Taras Shevchenko National University
	<b>Main activity and job description:</b> Conducting of scientific researches of mechanisms, biochemical and biophysical effects of biological membrane functioning, research of mechanisms of interaction of regulatory peptides with biological and artificial membranes
	<b>Area of activity:</b> Science

## EDUCATION AND TRAINING

Period (starting from last)	Description
2022	RE Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology, National Academy of Sciences of Ukraine, Kiev.
2021	ICenter Taras Shevchenko National University KNU: <a href="#">training course</a> on mastering modern tools and programs of interactive data visualization
2019	<a href="#">Internship</a> . Center for Molecular and Cellular Research of the National University "Kyiv-Mohyla Academy"
2005	<a href="#">Internship</a> – 3 <sup>rd</sup> European Course on Principles and Applications of Time-resolved Fluorescence Spectroscopy (Berlin, Germany)
2005	<a href="#">Obtained qualification</a> - doctor of sciences, title of the thesis "Primary mechanisms of membrane-modulating action of bioregulators of natural and synthetic origin"
1995	<a href="#">Obtained qualification</a> - Doctor of Philosophy in Biology, the title of the dissertation "The role of membranotropic effects in the mechanisms of biological action of neurohypophyseal hormones"
	<a href="#">Experience/degree</a> – confocal microscopy, cryotomy
from 1978 to 1983	<a href="#">Education</a> – Student at Faculty of Biology, of Taras Shevchenko National University of Kyiv, Kyiv (Ukraine)
	<a href="#">Experience/degree</a> – Biologist –Genetics. Teacher of Biology and Chemistry

## PERSONAL SKILLS

Name	Level (description)
<a href="#">Native language</a>	Russian, Ukrainian
<a href="#">Foreign language 1</a>	English, level B2
<a href="#">Foreign language 2</a>	Polish, B1
<a href="#">Communicative competence</a>	In case of direct interaction with students, postgraduates, I conduct communication in a dialogue mode in order to form the communicative and professional knowledge, skills, skills acquired in the process of specially organized training. I maintain professional contacts with the scientific community in educational and scientific activities. I perform the responsibilities of the jury chairman of the final stage of the All-Ukrainian contest "Teacher of the Year" in the nomination Biology, chairman of the jury of the III stage of the All-Ukrainian Olympiad in Biology (in Kyiv), a member of the jury of the final stage of the All-Ukrainian tournament for young biologists.
<a href="#">Organizational / management competence</a>	Scientific supervisor of postgraduate candidate's theses, student's degree studies "Bachelor" and "Master", separate sections of scientific work of the department. Under my leadership 2 candidates of sciences have been trained. New textbooks and manuals for the educational process were created in accordance with the disciplines of the department
<a href="#">Computer skills</a>	I have a high level of software for analyzing cytological, histological, statistical analysis, image editing and presentation of educational and research data
<a href="#">Professional skills (not mentioned above)</a>	I review educational and scientific publications, is a member of the Scientific-methodical committee of the general secondary education sector of the Ministry of Education and Science. I am an opponent of candidate's theses. Member of special The Academic Council of the Taras Shevchenko National University of Kyiv for the protection of dissertations on the specialty "Cytology, Cell Biology, Histology". Member of editorial boards of professional journals. "Phytotherapy", Bulletin of Nikolayev National University named after V.O.Sukhomlynsky, Series Biology
<a href="#">Fields of professional interests</a>	Cytology, histology, cell biology, oncogenesis, toxicology, biochemistry, molecular biology

## ADDITIONAL INFORMATION (не вноситься інформація, вказана вище)

Item	Titles of publications, projects, conferences, awards and prizes, memberships in academies and societies etc.
	Member of the Special Council D26.001.38 Chairman of the subject expert commission on biology and ecology (Order of the Ministry of Education and Science N 95 of 22.01.21) Member of the Biochemical Society, Member of the Society of Cell Biologists Member of the Physiological Society Member of the Biophysical Society
Publications	<p><b>Author of more than 200 sciences. and scientific method. works, including 5 textbooks. manuals and 3 textbooks</b></p> <ol style="list-style-type: none"> <li>1. Загальна цитологія та гістологія. Підручник /Дзержинський М.Е., Скрипник Н.В., Островська Г.В., Гарматіна С.М., Пазюк Л.М., Бузинська Н.О., Варенюк І.М., Пустовалов А.С., Вороніна О.К. – Київ: ВПЦ "Київський університет", 2010.– 575 с.</li> <li>2. Загальна цитологія та гістологія. Частина 2: Гістологія. Навч. посібник. / Дзержинський М.Е., Скрипник Н.В., Гарматіна С.М., Островська Г.В., Варенюк І.М., Пустовалов А.С., Вороніна О.К., Пазюк Л.М., Бузинська Н.О.– Київ: ВПЦ "Київський університет", 2011. – 223 с.</li> <li>3. "Гістологія. Практикум" : навчальний посібник / М.Е. Дзержинський, Г.В. Островська, Н.В. Скрипник, С.М. Гарматіна; упорядкування Н.В. Скрипник – К. : Видавничо-поліграф. центр "Київський університет", 2014. – 207 [20 окр.] с. іл.</li> <li>4. Белінська І.В., Клименко В.І., Рибальченко В.К., Островська Г.В., Дягіль І.С., Любарець Т.Ф. Спосіб діагностики мієлодиспластичного синдрому в прелейкемічній стадії // Деклараційний патент. UA 68269A, G01N33/48. Заявл. 04.11.2003. Опубл.15.07.2004.Бюл.№7, 3 с.</li> <li>5. Ostrovska, G.V., Rybalchenko, T.V. Features of aminoacidic composition of membrane active peptides (2005) Ukrain'skiy Biokhimichnyi Zhurnal, 77 (2), p. 70.</li> <li>6. Ostrovska G., Yablonska S., Rybalchenko T., Rybalchenko V. Na<sup>+</sup>,K<sup>+</sup>-ATPase activity of the rat hepatocyte plasma membrane after subchronic exposure to herbicide 2,4-D and plant growth regulators (pyridine derivatives) // Annales Universitatis Mariae Curie-Sklodowska. Sectio DDD. Pharmacia. – Lublin (Poland): Wschod, 2006. – Vol. 19. – № 1. – P. 111-114.</li> <li>7. Rybalchenko T., Ostrovska G., Filinska O., et al. The influence of heteropolynuclear complex compounds on ion-transporting ATPase of rat hepatocytes plasma membrane // Ann. Univers. Mariae Curie-Sklodowska.- Sec. DDD. Pharmacia. – Lublin (Poland): 2006.- Vol. 19, №2.- P. 183-185.</li> <li>8. Dubinina G.G., Chupryna O.O., Platonov M.O., Borysko P.O., Ostrovska G.V., Tolmachov A.O., Shtil A.A. In Silico Design of Protein Kinase Inhibitors: Successes and Failures // Anti-Cancer Agents in Medicinal Chemistry, 2007, 7, 171-188.</li> <li>9. Kylynyuk, K.I., Ostrovska, H.V., Khmarska, L.A., et al. The weak acids as proton carriers through bilayer lipid membranes (2007) Fiziologichnyi zhurnal (Kiev, Ukraine : 1994), 53 (1), pp. 48-54</li> <li>10. Byelinska I.V., Rybalchenko V.K., Ostrovska G.V., Dyagil I.S. Hematological effects of protein kinases inhibitor maleimide derivative (1-(4-Cl-benzil)-3-Cl-4-(CF<sub>3</sub>-fenilamino)-1-H-pyrrol-2,5-dione)// J.of Pre-Clinical Research.- 2010.Vol.4,N1. – P.32-35.</li> <li>11. Filinska O., Yablonska S., Mandryk S., Kharchuk I., Kotlyar I., Ostrovska G., Rybalchenko V. Effect of maleimide derivative on oxidative stress and glutathione antioxidant system in 1,2-dimethylhydrazine induced colon carcinogenesis in rat // Ann. Universitatis Mariae Curie-Sklodowska. Lublin – Polonia. – Sectio DDD. Pharmacia. – 2010. V. XXIII, № 3. P. 191-195.</li> <li>12. Yelisyeyeva O.P., Semen K.O., Ostrovska G.V., et al.The effect of Amaranth oil on monolayers of artificial lipids and hepatocyte plasma membranes with adrenalin-induced stress // Food Chemistry. – 2014. – Vol. 147/ - P.152-159.</li> <li>13. Данилов М. О., Островська Г. В., Рибальченко В. К. Порівняння впливу цитостатичних сполук похідного малеїміду та 5-фторурацилу на морфофункціональний стан печінки щурів за умов хемоіндукованого канцерогенезу колоректального раку// Доп.НАН України. – 2014, № 7. С.140-144.</li> <li>14. Данилов М.О., Линчак О.В., Островская Г.В., Рыбальченко В.К. Порівняння впливу цитостатичних сполук похідного дигідропіролу та 5-фторурацилу на гістологічну структуру печінки щурів за умов хемоіндукованого канцерогенезу/Вісник морфології. -2014, №1 (Т.20). с.154-157.</li> <li>15. Данилов М. О., Островська Г. В. Вплив цитостатика похідного дигідропіролу на морфофункціональний стан нирок щурів при різних термінах введення та за умов хемоіндукованого колоректального канцерогенезу // Вісник КНУ. Серія Проблеми регуляції фізіологічних функцій. 2014. Вип.1(17). С.52-55.</li> <li>16. Ostrovska G, Maslova O, Delev D, et al. Effects of novel maleimide derivatives on cell cultures with different properties. Cell Tissue Bank. 2016 Sep;17(3): p.505-515.</li> <li>17. Turov, V.V., Krupska, T.V., Golovan, A.P., Andriyko, L.S., Tsapko, M.D., Ostrovska, G.V., Kalmukova, O.A., Kartel, M.T. Influence of silica on hydratability of the grinded flowers of a hibiscus sabdariffa in neutral and acidic mediums // Nanosistemi, Nanomateriali, Nanotehnologii 2016, Vol. 14, № 4, p. 643–660.</li> <li>18. Golovynska I, Kalmukova O, Svitina HM, Kyryk VM, Shablii VA, Senchylo NV, Ostrovska GV, Dzerzhynskiy M, Stepanov YV, Golovynskiy S, Ohulchanskyi TY, Liu L, Garmanchuk LV, Qu J. Morpho-Functional Characteristics of Bone Marrow Multipotent Mesenchymal Stromal Cells after Activation or Inhibition of Epidermal Growth Factor and Toll-Like Receptors or Treatment with DNA Cytometry A. 2018 Sep 21. doi: 10.1002/cyto.a.23593.</li> <li>19. Sarmatskaya V, Shlapa Y, Yushko L, Shton I, Solopan S, Ostrovska G, Kalachniuk L, Negelia A, Garmanchuk L, Prokopenko I, Khudenko N, Maslenny V, Bubnovskaya L, Belous A, Nikolaev V. Biological activity of cerium dioxide nanoparticles. J Biomed Mater Res A. 2020.108(8):1703-1712..</li> <li>20. Vedenicheva N.P., Al-Maali G.A., Bisko N.A., Kosakivska I.V., Ostrovska G.V., Khranovska N.M., Gorbach O.I., Garmanchuk L.V., Ostapchenko L.I. Effect of cytokinin-containing extracts from some medicinal mushroom mycelia on hepg2 cells in vitro(Article) // Int. J of Medicinal Mushrooms 2021. Vol. 23, Iss 3, P. 15-28.</li> </ol>