



Curriculum Vitae

Senchylo N.V.

ОСОБИСТА ІНФОРМАЦІЯ



Senchylo Nataliya Vasylivna

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Sex F | Date of birth 10/02/1976 | Citizenship _____ Ukraine _____

Degree (degree, specialty)	Candidate of Biological Sciences, Ph.D. immunology
Academic status	Docent / Associate Professor
Position	Docent / Associate Professor
Department	Microbiology and Immunology
Faculty / Institute	NSC "Institute of Biology and Medicine"
Occupation concurrently	

The disciplines in the teaching of which participated:

This year	1. Microbiology with microbiological diagnostics, bachelor's degree, 2 courses, lectures, laboratory lessons, Branch of knowledge «Health care». 2. Microbiology, 2 courses, laboratory classes, branch of knowledge "Biology". 3. Microbiology, virology and immunology, master, 3rd year, lectures, laboratory classes, field of knowledge «Health care». 4. Clinical microbiology, bachelor, 4th year, lectures, laboratory classes, field of knowledge «Health care». 5. "Vaccinology", bachelor, 4th year, lectures, laboratory classes, field of knowledge "Biology". 6. Pathogenic infectious diseases, master's degree, 1 course, lectures, laboratory lessons. 7. Medical microbiology, master's degree, 1 course, lectures, laboratory lessons.
In previous periods	1. Microbiology with microbiological diagnostics, bachelor's degree, 2 courses, lectures, laboratory classes., Branch of knowledge «Health care». 2. Microbiology, 2 courses, laboratory classes, branch of knowledge "Biology". 3. "Immunology 3rd year, laboratory classes, field of knowledge "Biology". 4. Mechanisms of congenital immunity, bachelor's degree, 4th year, branch of knowledge "Biology". 5. Clinical microbiology, bachelor, 4th year, lectures, laboratory classes, field of knowledge «Health care». 6. Anti-infectious immunity, bachelor's degree, 4 courses, lectures, laboratory classes, branch of knowledge "Biology". 7. Vaccinology", bachelor, 4th year, lectures, laboratory classes, field of knowledge "Biology". 8. Microbiology, virology and immunology, master, 3rd year, lectures, laboratory classes, field of knowledge «Health care». 9. Genetics of microorganisms, master's degree, 1 course, lectures, laboratory lessons. 10. Pathogenic infectious diseases, master's degree, 1 course, lectures, laboratory lessons.

EXPERIENCE OF SCIENTIFIC AND SCIENTIFIC-PEDAGOGICAL WORK

Period	Stage
From 2013 till now	Position The secretary of the department
	Taras Shevchenko National University of Kyiv, NSC «Institute of Biology and Medicine», Department of Microbiology and Immunology, Ukraine, 01601, city Kyiv-601, st. Volodymyrska, 64/13
	Field of activity Education
From 2012 till 2017	Position Docent / Associate Professor
	Taras Shevchenko National University of Kyiv, NSC «Institute of Biology and Medicine», Department of Microbiology and General Immunology, Ukraine, 01601, city Kyiv-601, st. Volodymyrska, 64/13
	Field of activity Education
From 2002 p till 2012 p	Position Assistant
	Taras Shevchenko National University of Kyiv, NSC «Institute of Biology», Department of Microbiology and General Immunology, Ukraine, 01601, city Kyiv-601, st. Volodymyrska, 64/13
	Field of activity Education
From 2000 p till 2002 p	Position engineer of the second category of research
	Kyiv National Taras Shevchenko University, Faculty of Biology, Department of Microbiology and General Immunology, Ukraine, 01601, city Kyiv-601, st. Volodymyrska, 64/13
	Field of activity or sector Science
From 1998 p till 2000 p	Position Post graduate student
	Kyiv National Taras Shevchenko University, Faculty of Biology, Department of Microbiology and General Immunology, Ukraine, 01601, city Kyiv-601, st. Volodymyrska, 64/13
	Field of activity or sector Science

TRAINING AND INTERSHIP

Період	Stage
From 1993 till 1998	<u>Kyiv Taras Shevchenko University, Kyiv, Ukraine</u> Received a complete higher education in the specialty "Microbiology" and the qualification "Master of Microbiology, teacher of biology"; Master's Paper "Possibility of using antioxidant of vitamin E and thymalin for correction of the immune system disorders after joint influence of radiation and stress"
15.09.2018-15.10.2018	Internship at the National University "Kyiv-Mohyla Academy"
2021	International internship "FUNDRAISING AND ORGANIZATION OF PROJECT ACTIVITIES IN EDUCATIONAL ESTABLISHMENTS: EUROPEAN EXPERIENCE ", Kraków , Poland, diploma of the Foundation Central European Academy Studies and Certification (CEASC) International internship in Bochum, Germany. Project at the Zentrum für Wissenschaftsdidaktik (Center for Teaching and Learning), Ruhr University Bochum. 01.04.2023 - 30.04. 2023. Сертифікат учасника FNO 02037 D-44760 Bochum Advanced training in the form of "online course" remotely. Winter Scientific School of Medical Law "Protection of Reproductive Rights and Preservation of Reproductive Health in Conditions of Martial Law" Certificate No. ZNSH 000000-066 dated December 8, 2023 Certificate of participation in the master class "Multifaceted Allergology 1.0". Public Union "Ukrainian Association of Interdisciplinary Medicine" 02/21/2024. Certificate No. 2024 - 1134 - 3701095 – 101525 Certificate of participation in the master class "Multifaceted Allergology 2.0". Public Union "Ukrainian Association of Interdisciplinary Medicine" 02/23/2024. Certificate No. 2024 - 1134 - 3701100 – 101370

	International internship. Participation in the IV interdisciplinary symposium opinion leaders of nutrition and dietetics with international participation "Nutrition as an epigenetic key: from fetal programming to healthy longevity". NANDU, P.L. Shupyk National Institute of Health and Medicine of Ukraine, National Center "Institute of Biology and Medicine", February 17-18, 2024. Certificate N2024-000245 International internship. Certificate Scientific and educational project "Word Cancer Day 2024". February 6, 202. Institute of Experimental Pathology, Oncology and Radiobiology named after R.E. Kavetsky of the National Academy of Sciences of Ukraine. International internship International day Immynology. Certificate On April 29, 2024, she participated in the seminar Immune System and Cancer: The Battle for Life Advanced training (internship) at the D.K. Zabolotny Institute of Microbiology and Virology of the NAS of Ukraine from October "07" to December "20" 2024. Certificate of advanced training "Resilience: stress-resistance skills in the life of a modern person." Kyiv National University December 10-12, 2024. Account number KU 02070944/002153-24 dated December 12, 2024. Certificate of participation in the seminar. "Fundamental and clinical aspects of drug resistance in oncology." February 4, 2025. Advanced training of pedagogical and scientific-pedagogical workers "Professional development of a teacher in the conditions of educational transformations". Certificate PK 38282994/6021-25. Ministry of Education and Science of Ukraine. Scientific and Methodological Center of Higher and Professional Pre-Higher Education.
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PERSONAL SKILLS

Points	Level
Native language	Ukrainian
Foreign language 1	German
Foreign language 2	Russian
Communication competence	Communication skills received during the work at the Department of Microbiology and Immunology at the NSC "Institute of Biology and Medicine" of Kyiv National Taras Shevchenko University
Organizational / managerial competence	As a secretary, I am responsible for the teaching and methodological work, the current documentation and the reporting of the department. I manage students' courseworks and diploma works.
Computer skills	Experienced user. I have MS Office (Excel, Power Point, Word) skills, I work with e-mail (Outlook Express), various browsers (Opera, Firefox, Chrome, Internet Explorer) and Windows operating system.
Professional skills	High educational and methodological level of lectures, seminars and laboratory classes for medical students on the standard course "Microbiology with microbiological diagnostics" « Microbiology, virology and immunology », discipline "Clinical Microbiology" and students-biologists for special courses «Vaccinology», "Genetics of microorganisms", "Pathogens of infectious diseases", "Anti-infectious immunity". I use methods isolation of cells of the immune system, their cultivation and functional studies, evaluation of the adhesiveness of cultured cells, determination of antibody levels in serum, antitumor research the activity of natural killer cells and lymphocytes.

Areas of professional interests	Improvement of teaching skills, creation of teaching aids, methodical instructions and recommendations, curriculum. Study of the features of immunobiological activity of some <i>Staphylococcus aureus</i> biopolymers and writing scientific articles (not less than two per year).
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ADDITIONAL INFORMATION

Name of Publications	(names of publications, presentations, projects, conferences, seminars, names of awards and prizes, membership in academies, professional and scientific associations, etc.)
	1. <u>V. Nikulina</u>, <u>L. Garmanchuk</u>, <u>N. Senchylo</u>. Tiechoic Acids Downregulate VEGF Expression In Hella Cels And Activate Cytotoxic/Citostatic Capability Of Macrophages. Journal of Inorganic Biochemistry. – 2017, Vol. 168, pp. 98-106 2. O. Kalmykova, O. Dzhus, N. Senchilo, G. Ostrovska, L. Garmanchuk, Morphofunctional characteristic of transformed cell cultures under the jnfluence of activators and inhibitors of receptors with enzymatic activity. Visnyk KNU named after T. Shevchenko Series Problems of Regulation of Physiological Functions No. 19 2015 p. 31-36 3. Opeida Ye.V., Skvyka L.M., Fedorchuk O.G., Khranovskaya N.M., Pozur V.V., Rudyk M.P., Senchilo N.V., Shepelevich V.V., SV Svetatska The effect of Lewis's lightweight carcinoma growth on the cytotoxic activity of congenital immune effector / Scientific notes of Ternopil National Pedagogical University named after Volodymyr Hnatyuk. Series: Biology. - 2015 - No 1 (62). - P.111-117. 4. Rudyk M.P., Pozur V.V., Fedorchuk A.G., Khranovskaya N.N., Senchilo N.V., Shepelevich V.V., Svyatetskaya V. N., Skivka L. M. Influence antitumor drug NSC 631570 on the functional polarization of circulating phagocytes in mice with Lewis lung carcinoma // Eurasian Cancer Journal. - 2015 - No 1 (4). - P. 97 – 107 5. Nikulina V.V., Garmanchuk L.V., Senchylo N.V., Ostapchenko L.I., Khranovska N.M. Combined Influence of Teichoic Acids from <i>Staphylococcus aureus</i> and Heterometallik Cu/Cd Ethylenediamine Complex on Peritoneal Macrophages and Tumor Cells. Cytology and Genetics, 2014. Vol. 48, №6, P. 392-397. 6. Nikolaenko T.V., Garmanchuk L.V., Nikulina V. V., Senchylo N.V. Teichoic acid modulates the adhesive properties of MCF-7 tumor cells. The Breast, 2013, Vol.22, No 1, P. 27-29. 7. Garmanchuk L.V., Senchylo N.V. A modifying effect of teichoic acid on the adesive potential of MCF-7 cells in 3 D culture. Interdisciplinary Conference Adaptive Strategies of living systems, June 11-16, 2012 Novy Svet, AR Crimea Ukraine, p.159-160. 8. Nepyvoda Kh.D., Pochtarova G.O., Senchilo N.V., Lavrov K.V. Influence of lead ions on functional activity of peritoneal macrophages of rats. Immunology and Allergology. - 2012, No. 1. P.23-29. 9. Garmanchuk L.V., Khranovskaya N.N., Senchilo N.V., Makarenko A.N. Comprehensive study of immunomodulatory effect of drugs with a nootropic mechanism of action on immunocompetent cells. Magazine NAMS Ukraine 2011, 17 (3). - P. 218-226. 10. Garmachuk N.V., Nikulin V.V., Senchilo NV, Nepyvoda H. D. Cytotoxic effect on tumor cells in vitro with anti-tumor and anti-metastatic agents. Physics of the living, T. 19, No. 2, 2011, p.51-53. 11. Potebnya G.P., Skivka L.M., Senchylo N.V., Rudik M.P. Influence of teichoic acid from <i>S. aureus</i> on metabolic activity of macrofages and cytotoxic activity of splenocytes of mice bearing Lewis lung carcinoma. Experimental oncology. – 2008. – V. 30. – P. 212-223. 12. V. Nikulina, L. Garmanchuk, N Senchylo, Tiechoic acids from <i>Staphylococcus aureus</i> enhance cytotoxic/cytostatic influence of bimetallic complex on primarytu morculture. Journal of Thoracic Oncology. – 2016. - Vol. 4. – C. 89-90. 13. Y. Hurmach, M.Rudyk, Senchylo N, V. Svytetska The effect of intranasally administered TLR 3 agonist larifan on metabolic profile of microglial cells in rat with C6 glioma. Biochemical Journal. – 2018. - 6. - P. 110-119. 14. Nehelia A., Nikulina V., Torgolo I., Senchylo N. Adhesive, migration and lactate dehydrogenase activity in breast cancer cells under TLR-lagand teichoic acid. Bulletin of the National University named after Taras Shevchenko, problems of regulation of physiological functions 1 (24)/2018, c31-36 15. Susak Yu.M., Zub O.I., Lobanova O.M., Senchilo N.V., Fedorchuk O.G., Skivka L.M. (2018). The effect of ulinastatin on the metabolism of circulating leukocytes and the serum level of non-histonic proteins of the box 1 group with high mobility in patients with acute pancreatitis. Clinical Surgery, 85 (10), 21-25. https://doi.org/10.26779/2522-1396.2018.10.21 16. <u>Golovynska I</u>, <u>Kalmukova O</u>, <u>Svitina HM</u>, <u>Kyryk VM</u>, <u>Shablii VA</u>, <u>Senchylo NV</u>, <u>Ostrovska GV</u>, <u>Dzerzhinskyi M</u>, <u>Stepanov YV</u>, <u>Golovynskyi S</u>, Garmanchuk LV. 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 Intercalator Cisplatin. Cytometry A. 2019, Vol. 95, №1. - P. 24-33. 17. Zh. Oliynyk, N. Senchylo, T. Dovbynchuk, S. Stepanenko, M. Guzik. REACTIVE ASTROGLIOSIS IN RATS WITH LPS-INDUCED PARKINSON'S DISEASES. Bulletin of the Kiev National University of the Name of Taras Shevchenko. - 1(80)/2020. – C. 19-29

	18. P.G. Yakovlev¹, O.I. Gorbach², L.I. Ostapchenko³, L.V. Garmanchuk³, O.V. Skachkova², N.M. Khranovska², N.V. Senchylo³. EXPRESSION OF TLR4 AND MAJOR INFLAMMATORY CYTOKINES IN PATIENTS WITH BLADDER CANCER OF DIFFERENT GRADE AND STAGE. <i>Exp Oncol</i> 2021 43, 2, 142–148 19. Volodkina D., Stupak I., Senchylo N., Molozhava O., Garmanchuk L. THE INFLUENCE OF PHOTSENSITIVE PEPTIDOMIMETICS ON WEIGHT INDICES OF IMMUNE ORGANS OF EXPERIMENTAL ANIMALS WITH TRANSPLANTABLE LEWIS LUNG CARCINOMA. <i>BIOTECHNOLOGIA ACTA</i>, V. 15, No 4, 2022 20. Stupak¹, O. Gorbach², O. Sckachkova², N. Senchylo¹, E. Singayivskiy¹, M. Starshinova¹, L. Garmanchuk¹. THE EXPRESSION OF TLR4, IFN-γ, TGF-β AND TNF-α IN LINE OF HUMAN SMALL CELL LUNG CARCINOMA NCI-H69 AND IN CISPLATIN-RESISTANT SUBLINE NCI-H69/CPR.. <i>Biotechnologia Acta</i> T. 15, No.6, 2022, P. 55-60. UDC:616-006.577.112 21. Yuliia Shvets ^a, Natalia Khranovska ^b, Natalia Senchylo ^a, Danylo Ostapchenko ^a, Iryna Tymoshenko ^c, Svitlana Onysenko ^a, Nazarii Kobylia ^{c d}, Tetyana Falalyeyeva ^{a d} Microbiota substances modulate dendritic cells activity: A critical view. <i>Helioyn</i> 10 (2024) e27125 https://doi.org/10.1016/j.heliyon.2024.e27125 22. 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. http://doi.org/10.30978/GS-2024-3-43. 23. Fedyshyn, P., Pavliuk, O., Stupak, I., Dovbynychuk, T., Pysmenna, Y., Liashenko, V., Senchylo, N., Holopura, S., Kalachniuk, L., & Garmanchuk, L. (2025). Influence of the biophosphomag preparation and biologically active substances from milk thistle seeds (<i>Silybum marianum</i>) on the metabolism of lymphocytes and their functional features. <i>Studia Biologica</i>, 19(2), 23–36. doi:10.30970/sbi.1902.824 24. Olha Vasyliuk; Inna Garmasheva; Serhii Skrotskyi; Liudmyla Khomenko; Ihor Hretskyi; Natalia Senchylo. The Influence of the Conditions of Cultivation of Lactic Acid Bacteria on Their Antagonistic Activity Against Some Plant Pathogenic Bacteria. <i>Plant Direct</i> 2025-09 Journal article DOI: 10.1002/pld3.70101
Conferences	1. Bilyk A.A., Senchylo N.V., Prtruk., Kalmukova O.O., Garmanchuk L.V. Teichoic acid from <i>Staphylococcus aureus</i> enhances the apoptosis cells stimulates the activity of succinate dehydrogenase in MCF-7 cells in unfed culture condition <i>Microbiology and Immunology - the Development Outlook in the 21st century</i>. Abstracts book of the II International Scientific Conference, April 14-15, 2016, Kyiv. - Kyiv, 2016. – p.115 2. Halloma Axmed Imad Abbas, Zelena P., Yumyna J., Shepelevych V., Senchylo N., Gladka G. Influence of UF-C irradiation on survival rate of <i>Pseudomonas</i> and <i>Pantoea</i> bacterial genera. <i>Microbiology and Immunology - the Development Outlook in the 21st century</i>. Abstracts book of the II International Scientific Conference, April 14-15, 2016, Kyiv. - Kyiv, 2016. – p.17 3. Hrytsev O., Zelena P., Yumyna J., Senchylo N. Studies of adhesion properties of phytopathogenic bacteria isolated from European mistletoe (<i>Viscum album</i> L.). <i>Microbiology and Immunology - the Development Outlook in the 21st century</i>. Abstracts book of the II International Scientific Conference, April 14-15, 2016, Kyiv. - Kyiv, 2016. – p.69 4. V. Nikulina, L. Garmanchuk, N. Senchylo, T. Nikolaienko . Tiechoic acids from <i>Staphylococcus aureus</i> enhance cytotoxic/cytostatic influence of bimetallic complex on primary tumor culture. <i>Journal of thoracic oncology April 2016</i> Volume 11, Issue 4, Supplement, Pages S88–S89 5. Nikulina V.V., Nikolayenko T.V., Senchylo N.V., Putnikov A.V. Teykhova acid <i>Staphylococcus aureus</i> Wood 46 reduces the macrophage adhesion potential and enhances the level of lymphocyte infiltration by the tumor. <i>Problems of ecological and medical genetics and clinical immunology: a collection of scientific works</i>. - Kyiv-Lugansk, 2012. - Issue 5 (112). - P. 345-351. 6. Golovynska I, Kalmukova O, Svitina HM, Senchylo N. Morpho-Functional Characteristic of Bone Marrow Multipotent Mesenchymal Stromal Cells after Activation or Inhibition of Epidermal Growth Factor and Toll-Like Receptors or Treatment with DNA Intercalator Cisplatin. <i>Cytometry</i> 2018 Sep 21. p.23593-23595.
Membership	S.M. Vinogradsky Society of Microbiologists of Ukraine