



Curriculum Vitae

Molozhava O.S.

PERSONAL INFORMATION



Olga Molozhava

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Sex Female | Date of birth 10/03/1969 | Citizenship Ukraine

Scientific degree (degree, specialty)	PhD degree in Microbiology
Academic rank	Docent of Microbiology and Immunology Department
Position	Docent
Department	Microbiology and immunology
Faculty/Institute	ESC «Institute of Biology and Medicine»

The academic subjects in which teaching the lecturer was involved:

In the current year	1. Innate immunity, bachelors (3-rd year), lectures. 2. Molecular mechanisms of allergic reactions, bachelors (4-rd year), lectures. 3. Applied immunology, bachelors (4-rd year), lectures. 4. Immunopathology, magistracy (first year), lectures, the Practical Training. 5. Laboratory practice on Immunology, bachelors (3-rd and 4-rd year), the Practical Training. 7. Immunology, bachelors (second year), the Practical Training. 8. Immunology, bachelors (3-rd year), lectures, the Practical Training
In previous periods	1. Immunology, bachelors (3-rd year), lectures. 2. Immunomodulators, bachelors (4-rd year), lectures. 3. Ecological immunology, magistracy (first year), lectures. 4. Physico-Chemical Methods in Microbiology and Immunology, bachelors (3-rd year), Practical Training. 5. Humoral immunity, bachelors (4-rd year), lectures. 6. Genetics of bacteria, bachelors (4-rd year), the Practical Training. 7. Microbiology, bachelors (second year), the Practical Training. 8. Immunology with immunological diagnostics, bachelors (3-rd year), lectures, the Practical Training 9. Allergology, bachelors (4-rd year), lectures, the Practical Training

SCIENTIFIC AND SCIENTIFIC-PEDAGOGICAL EXPERIENCE

Period (start with the last)	Stage
From 2007 year till now	Position of Microbiology and Immunology Department Docent Taras Shevchenko National University of Kyiv, NSC "Institute of Biology and Medicine", st. 64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601, www.univ.kiev.ua Field of activity or sector: Education / Science
From 2002 to 2007	Position of Microbiology and Immunology Department Assistant of professor Taras Shevchenko National University of Kyiv, NSC "Institute of Biology and Medicine", st. 64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601, www.univ.kiev.ua Field of activity or sector: Education / Science
From 2000 to 2002	Position of Microbiology and Immunology Department Research assistant Taras Shevchenko National University of Kyiv, NSC "Institute of Biology and Medicine", st. 64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601, www.univ.kiev.ua Field of activity or sector: Science
From 1997 to 2000	Position of Microbiology and Immunology Department Junior research fellow Taras Shevchenko National University of Kyiv, NSC "Institute of Biology and Medicine", st. 64/13, Volodymyrska Street, City of Kyiv, Ukraine, 01601, www.univ.kiev.ua Field of activity or sector: Science

EDUCATION AND TRAINING

Period	Stage
2025	Training: project DigiLabStar III (Digital Laboratories for Students-at-risk) in the framework of the program „Ukraine Digital”: Ensuring academic success in times of crisis funded by DAAD (German Academic Exchange Service) and BMBF (Federal Ministry of Research, Technology and Space), Ruhr-University Bochum from 1 January 2025 through 15 June 2025. certificate FNO 02/037 D-44780 Bochum
2024	Advanced training at the D.K. Zabolotny Institute of Microbiology and Virology
2023	Training: winter scientific school of medical law "Protection of reproductive rights and preservation of reproductive health in conditions of martial law". Educational and scientific institute of law, educational and scientific center "Institute of Biology and Medicine", educational and scientific center of medical law. Certificate No. ZNSh-000000-048 dated December 8, 2023.
2023	Training: scientific and practical conference "Infections and Immunity", International European University, Public Organization "All-Ukrainian Association of Pediatric Immunology", 30.11-01.12.2023, Participant Certificate No. 2023 - 1431 - 5508239 – 100456.
2023	Training: IV interdisciplinary symposium of opinion leaders in nutrition and dietetics with international participation "Nutrition as an epigenetic key: from fetal programming to healthy longevity" Certificate N2024-000438
2023	Training: "Ukraine digital: Ensuring academic success in times of crisis (2023)" німецько-українського проекту "Digital Laboratories for Students at risk – DigiLabStar II" at the Centre for Teaching and Learning (Zentrum für Wissenschaftsdidaktik), Ruhr University Bochum, May 1 - December 31, 2023.
2023	Training: «Digital Laboratories for Students at risk-DigiLabStar II. Center for Teaching and Learning. Ruhr University Bochum, April 1-30, 2023 certificate FNO 02037 D-44780 Bochum

2021	Training: Zustricz Foundation, Department of Polish-Ukrainian Studies of Jagiellonian University in Krakow Career Development Center of NGO Sobornist, Luhansk Regional Institute of Postgraduate Pedagogical Education. International program FUNDRAISING AND ORGANIZATION OF PROJECT ACTIVITIES IN EDUCATIONAL ESTABLISHMENTS: EUROPEAN EXPERIENCE, 180 hours / 6 ECTS credits, from September 11 to October 17, 2021.
2020	Training: Central European Academy of Training and Certification (CEASC), "Association of Project Managers", series of webinars "Facilitation tools for conducting effective training events in online format", certificate No. 085820, 1 ECTS credit (30 hours), July 2020
2020	Training: Central European Academy of Training and Certification (CEASC), "Association of Project Managers", series of webinars "Project approach and intersectoral cooperation in the activity of a modern educational institution", certificate No. 0380.20, 1 ECTS credit (30 hours), February 4-25, 2020.
2015	Training: Central European Academy Studies and Certification (CEASC), Foundation "Modern university - creation of work organization projects within the framework of European qualification requirements" Diploma dated 05/15/2015.
From 1987 to 1993	Taras Shevchenko Kyiv State University, Kyiv, Ukraine Qualification: Biologist-Immunologist, Teacher of Biology and/or Chemistry
From 1994 to 1997	Taras Shevchenko Kyiv State University, Postgraduate studies;

PERSONAL SKILLS AND COMPETENCES

Name	Level
Native Language	Ukrainian
Foreign Language 1	English
Communication Skills	Communication skills were acquired during he educational and the work at the Department of Microbiology and Immunology of ESC "Institute of Biology and Medicine" of Taras Shevchenko National University of Kyiv, during scientific conferences.
Organizational/Manager Skills	I acted as secretary of the Microbiology and Immunology Department of ESC "Institute of Biology and Medicine" of Taras Shevchenko National University from 2001 to 2013.
Computer Skills	Good knowledge of MS Office (Word, Excel, Power Point), web browsers (Firefox, Chrome, Internet Explorer) and MS Windows.
Professional Skills	Accomplished researcher in immunology (serological methods; isolation of cells of the immune system, their cultivation and functional assay; experimental modeling of inflammatory diseases in animals; immunomodulatory properties of bacterial lipopolysaccharides).
Range of Professional Interests	The problems of immunopathogenesis infections, immunosuppressive properties of pathogenic bacteria, immunomodulatory properties of bacterial lipopolysaccharides in induction of phytotoxicity and plant immunity, role of microbiome in regulation of homeostasis.

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	1. Methodological recommendations for the educational course "Innate immunity"/ Molozhava O.S.-K., 2024. 2. Workshop "Immunology"/Skivka L.M., Rudyk M.P., Senchylo N.V. et al. - Electronic edition, 2022. 3. Microbiology. Volume 2.: textbook/ Serhiychuk M.G., Skivka L.M., Serhiichuk T.M. et al. - K.: FOP Maslakov, 2020. - 348 p. 4. Methodological recommendations for the educational course "Phytoimmunology"/Shylyna Yu.V., Gushcha M.I., Molozhava O.S.-K., 2019. 5. Physico-chemical methods in microbiological and immunological research. Study guide./ P.P. Zelena, O.S. Molozhava, M.P. Rudyk et al. - K., 2019.-168p. 6. Immunology. Textbook. / A.Yu.Vershigora, E.U.Paster, V.K. Pozur et al. - K.: Higher school, 2011. 7. Test tasks for the examinations of the specialist "Specialist" and "Magister". Edited by Ostapchenko L.I., Balan P.G./D.V.Kolibo, O.S. Molozhava - K.: Phytocenter, 2013. 8. Neuroimmunology. Textbook. /O.M. Makarenko, O.S. Molozhava, V.V.Pozur, P.V. Yermak - K.: Taras Shevchenko KNU, 2012. 9. Trakhtenberg I.M. Disturbance of the human immune system by the actions chemical factors and methods for their determination. Guidelines. /I.M.Trakhtenberg, N.M.Dmitrukha, O.S. Molozhavaya - K.: Institute of Occupational Medicine, 2007. 10. 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.// BIOTECHNOLOGIA ACTA. 2022., V. 15, N 4, P. 50-53. 11. 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 choleric properties on LPS-stimulated murine macrophages. Journal of Complementary and Integrative Medicine, 2022. 12. Mazurenko V., Molozhava O., Sobko D., Kolibo D. MILK ANALYSIS BY FLOW CYTOMETRY TO IDENTIFY SUBCLINICAL UDDER INFECTION.// Journal of Microbiology, Biotechnology and Food Sciences, 10(5), 2021, e3257. 13. Yu. V. Shilina, O. S. Molozhava, S. V. Litvinov, O. P. Dmitriev EFFECT OF CHRONIC IRRADIATION OF STRAINS IMB 9096 AND IMB 8614 PSEUDOMONAS AERUGINOSA BACTERIA ON THE IMMUNOMODIFYING PROPERTIES OF THEIR LIPOPOLYSACCHARIDE COMPLEX. //Nuclear physics and energy./ Nucl. Phys. At. Energy Section: Radiobiology and Radioecology. 2021, volume 22, issue 4, pages 375-381. 14. M Gahramanova, A Ostapchuk, O Molozhava, V Svyatetska, M Rudyk, Y Hurmach, R Dovhyi, L Skivka PHYTOCHEMICAL SCREENING OF POLYHERBAL COMPOSITION BASED ON Portulaca oleracea AND IT'S EFFECT ON MACROPHAGE OXIDATIVE METABOLISM.// Biotechnologia Acta., 13(4)., 2020. -39-48. 15. Field training as one of the important components of professional training in conducting laboratory work./A.A. Stasenko, A.S. Povkh, V.V. Shepelevich, O.S. Molozhava. // Pedagogical theory and practice Collection. of science works.– K: KyMU, 2019. – Issue 8. - P.255-267. 16. Gahramanova M., Dovhyi R., Rudyk M., Molozhava O., Svyatetska V., Skivka L. Phytochemical screening of polyherbal cosition based on Portulaca oleracea on macrophage oxidative metabolism//Biotechnologia Acta. – 2019. - V. 12, No 2. - P. 63-70. 17. Konopelnuk, V. I., Kompanets, I. V., Svyatetska, V. M., Molozhavaya, O. S., & Ostapchenko, L. I. Functional polarization of macrophages of rats with progesterone-induced obesity treated with melanin from the Antarctic yeast Nadsoniella nigra.// Regulatory Mechanisms in Biosystems, 10(4), 2019.- 538-543.
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Conferences	1. Iryna KOMPANETS, Tetiana KRYSHYNSKA, Olga MOLOZHAVA Interactive digital laboratory modules to support Immunology e-learning.// Microbiology and Immunology – the Development Outlook in the 21st century. Abstracts book of the V International Scientific Conference, April 29-30, 2025, Kyiv. 2. Lukasevych M.V.1, Gordiienko I.M.1,2, Molozhava O.S. INVESTIGATION OF THE IMMUNOMODULATORY PROPERTIES OF EXTRACELLULAR VESICLES DERIVED FROM DIFFERENT TISSUE SOURCES.// Microbiology and Immunology – the Development Outlook in the 21st century. Abstracts book of the V International Scientific Conference, April 29-30, 2025, Kyiv. 3. Yu.V. Shilina, Z.I. Bilyk, O.S. Molozhava IMPLEMENTATION OF CHRONIC FATIGUE SYNDROME PREVENTION TECHNOLOGY USING ESSENTIAL OILS OF MEDICINAL PLANTS IN THE CYCLE TEACHER TRAINING "FOUNDATIONS OF HEALTH"//Materials of the fourth international symposium "Education and health of the younger generation": Collection. of science Proceedings / Edited by Strashka S.V. - Issue 4. - K.: Alaton, 2022. - 141 p. 4. Konopelniuk V.I. Kompanets I.V., Zholobak N.M., Molozhava O.S. The effect of cerium dioxide nanoparticles on the functional activity of rat macrophages in obesity caused by progesterone//Materials of the 15th All-Ukrainian scientific and practical conference of students, graduate students and young scientists "Biotechnology of the XXI century", April 23, 2021, p. 54. 5. Konopelniuk V.I., Kompanets I.V., Molozhava O.S., Svyatetska V.M., Ostapchenko L.I. Comparison of the effects of melanin on the state of peritoneal macrophages of young female rats with obesity, provoked by progesterone when administered simultaneously (prevention) and administered after 1 month (treatment)//Materials of the XV Congress of Pediatricians of Ukraine "Actual Problems of Pediatrics", October 12-13, 2021 / International Journal of Pediatrics, Obstetrics and Gynecology. July September 2021, volume 1, number 1. - P. 59-60. 6. Ivakhnyuk T.V., Molozhava O.S., Ivakhnyuk Y.P., Kust V.V. ALZHEIMER'S DISEASE: CHARACTERISTICS OF INDIGENOUS MICROBIOTA.// Microbiology, virology and immunology in modern clinical and laboratory medicine: materials of distance science-practice. conf. (March 19, 2020) - Kh.: National University of Applied Sciences, 2020. - 37 p. 7. Shilyna Y.V., Gushcha N.Y., Molozavaya O.S., Lytvynov S.V., Shevchenko Y.I., Dmitriev A.P. EFFECT OF COMPLEX TREATMENT WITH LIPOPOLYSACCHARIDE AND SALICYLIC ACID ON THE INDUCTION OF STABILITY IN PLANT <i>ARABIDOPSIS THALIANA</i> TO PHYTOPATHOGENIC BACTERIA.//Biologically active drugs in crop production. Scientific justification - recommendations - practical results.: Materials of the XV International Scientific and Practical Conference, Kyiv, June 25-29, 2019 / edited by M.V. Sticks [etc.]. – Kyiv: NUBiP of Ukraine, 2019 – P.27-30. 8. Julia SHILINA, Mykola GUSCHA, Olga MOLOZHAVA, Sergey LITVINOV Changes of Plant-Associated Bacterial Communities in the Radioactive Contaminated Environment./ 4th International Symposium on EuroAsian Biodiversity (SEAB2018), July 3-6. 2018.- P.340. 9. Shilina Y. V., Gushcha M. I., Molozhava O. S., Litvinov S. V., Dmitriev O. P. The effect of complex treatment with lipopolysaccharide and salicylic acid on inducing resistance of Arabidopsis thaliana plants to infection by phytopathogenic bacteria./ MICROBIOLOGY IN MODERN AGRICULTURAL PRODUCTION. MATERIALS OF THE XIII SCIENTIFIC CONFERENCE OF YOUNG SCIENTISTS DEDICATED TO THE 100TH ANNIVERSARY OF THE FOUNDING OF THE NATIONAL ACADEMY OF AGRICULTURAL SCIENCES OF UKRAINE (October 24-25, 2018, Chernihiv). - P. 148-151. 10. Ivakhnyuk T.V., Molozhavaya O.S., Makarenko A.N. CHARACTERISTICS OF LACTOBACILLUS SPP. AND BIFIDUMBACTERIUM SPP. ISOLATED FROM PATIENTS WITH ALZHEIMER DISEASE./ Microbiology and Immunology the Development Outlook in the 21st century. III International Scientific Conference, April 19-20, 2018, Kyiv, 2018.-P.48. 11. Alexandrov A.V., Konopelnuk V.I., Kompanets I.V., Holoborodko Ye.Ye, Svyatetska V.M., Molozhavaya O.S., Ostapchenko L.I. THE EFFECT MELANIN ON PROINFLAMMATORY STATUS OF PERITONEAL MACROPHAGES OF RATS WITH PROGESTERONE-INDUCED OBESITY./ Microbiology and Immunology the Development Outlook in the 21st century. III International Scientific Conference, April 19-20, 2018, Kyiv, 2018.- P.122-123. 12. Gakhramanova M., Molozhava O., Svyatetska V., Ostapchuk A., Skivka L. PHYTOCHEMICAL ANALYSIS AND IMMUNOMODULATORY EFFECT OF POLYHERBAL PREPARATION WITH HEPATOPROTECTIVE, CHOLERETIC AND ANTI-INFLAMMATORY ACTIVITY IN VITRO./ Microbiology and Immunology the Development Outlook in the 21st century. III International Scientific Conference, April 19-20, 2018, Kyiv.-Kyiv, 2018-P.133. 13. Shilina J.V., Guscha M.I., Molozhava O.S., Litvinov S.V., Dmitriev O.P. ELICITATION OF ARABIDOPSIS THALIANA RESISTANCE AGAINST PATHOGENIC BACTERIA BY LIPOPOLYSACCHARIDES AND SALICYLIC ACID./ Microbiology and Immunology the Development Outlook in the 21st century. III International Scientific Conference, April 19-20, 2018, Kyiv, 2018.- P.160-161.
Awards and Prizes	Soros scholarship for graduate students
Membership	Ukrainian Society of Experts on Immunology, Allergology and Immunorehabilitation S.M. Vinogradsky Society of Microbiologists of Ukraine