






PERSONAL INFORMATION

Viktoriiia Korniienko



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Sex female | Date of birth 20/09/1977 | Nationality Ukraine

WORK EXPERIENCE

January 2019 – present

Senior Researcher, (Department of Public Health, Medical Institute of Sumy State University)

Sumy State University, 2, R-Korsakova street, Sumy, Ukraine, 40018

- Supervision of ELISA laboratory
- Planning and conducting of experiments, related to biomaterials assessment
- Supervision of PhD and Master student research activities
- Data collection and analysis
- Preparing of research paper and conference abstracts

October 2016 – December 2018

Assistant Professor, (Department of Public Health, Medical Institute of Sumy State University)

Sumy State University, 2, R-Korsakova street, Sumy, Ukraine, 40018

- Teaching microbiology courses for medical and dentistry graduate students
- Researching in Bacteriological and Serological laboratories. Biomaterials and nanomaterials studying.

November 2012 – September 2016

Teaching Assistant (Hygiene and Ecology Department, Medical Institute of Sumy State University)

Sumy State University, 2, R-Korsakova street, Sumy, Ukraine, 40018

- Teaching Hygiene and Ecology courses for medical and dentistry graduate students
- Studying the antibacterial activity of chitosan films for burn treatment
- Applying cytological and histological techniques for at lying materials ate students;nimal experiment

May 2010 – October 2012

Doctor (Centralized immunological laboratory)

AIDS Center, 111, Kurskiy pr., Sumy, Ukraine, 40000

- Medical examination of Sumy region population for HIV and opportunistic infections. applying the serological tests (ELISA, western blot)
- Studying the immune status of AIDS patients (flow cytometry)

August 2001 – March 2010

Doctor (Clinical laboratory)

Skin and Venereal Diseases Clinic, 31, Privokzalna str., Sumy, Ukraine, 40011

- Medical examination of Sumy region population for skin and venereal diseases applying the microscopical and bacteriological methods

EDUCATION AND TRAINING

November 2012 – May 2015

Ph.D. Program (PhD)

Sumy State University, 2, R-Korsakova street, Sumy, Ukraine, 40018

Thesis: The morphologic and functional features of burn wounds healing and application of chitosan membranes in different age

September 1994 – July 2000

Basic Medical Education

Sumy State University, 2, R-Korsakova street, Sumy, Ukraine, 40018

MD

PERSONAL SKILLS

Mother tongue(s)

Ukrainian, Russian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Communication skills

- good communication skills gained through my experience as university teacher and participation in local and international conference

Organisational / managerial skills

- leadership (gained through my experience managing of a students research projects)
- organisation skills (gained through my experience as a doctor)

Job-related skills

- Biomaterials of natural polysaccharide chitosan biology research;
- Nanomaterials;
- Animal experiment techniques;
- Light and luminescent microscopy;
- Immunological research;
- Microbiological research;
- Histology techniques

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Basic user	Basic user

Other skills

- Grant writing skills

Driving licence B

ADDITIONAL INFORMATION

Publications	<ul style="list-style-type: none"> ▪ Author of 14 research publication (including 4 – in Scopus Database) ▪ Scopus ID - 57201858308 ▪ List of publication – in annex
Projects	<ul style="list-style-type: none"> • H2020 project 777926 “Nanostructural surface development for dental implant manufacturing” (MSCA-RISE) (Role – leading researcher) • Grant of CRDF Global (USA) – «Biosafety Improvement in Bacteriological Lab at Sumy State University», 2016” (Role – researcher) • Erasmus+, Jean Monnet Programme, «Medical education in the European Union: Challenges for Ukraine – MedEUk», 2019-2020, Sumy State University (Role – teaching) • Grant of Ministry of Education and Science of Ukraine “New antibacterial metal-chitosan nanocomposites – development and evaluation” (Role – researcher)
Conferences	<p>Take part in different International conferences:</p> <ul style="list-style-type: none"> • International conference «Nanomaterials for biosensor and biomedical applications» supported by the University of Latvia, Jurmala, Latvia 2-4 July, 2019 • International Scientific and Practical Conference of Students, Postgraduates and Young Scientists «Topical issues of theoretical and clinical medicine», Sumy, October 17-19, 2018 • ISMCK 8th International Student Medical Congress (22 – 24 of June, 2016), Kosice, Slovakia

ANNEXES

- Research publications

Annex 1 – Research publications

Publication list

ARTICLES IN INTERNATIONAL JOURNALS

1. Chitosan-Based Bioactive Hemostatic Agents with Antibacterial Properties – Synthesis and Characterization / J. Radwan-Pragłowska, M. Piatkowski, V. Deineka, Ł. Janus, V. Korniienko, E. Husak, V. Holubnycha, I. Liubchak, V. Zhurba, A. Sierakowska, M. Pogorielov, D. Bogdał // *Molecules*. – 2019. – 24, 2629.
2. Orazi L. Osteoblast Cell Response to LIPSS-Modified Ti-Implants / L. Orazi, M. Pogorielov, V. Deineka, E. Husak, V. Korniienko, O. Mishchenko, B. Reggiani // *Key Engineering Materials*. - 2019. - Vol. 813. - pp 322-327.
3. Features of skin regeneration of adult animals after burn injury and the use of chitosan films / Korniienko V.V., Holubnycha V.M., Husak E.V., Kalinkevich O.V., Oleshko O.M., Hapchenko A.V., Pogorielov M.V. // *Morphologia*. – 2018. – Vol. 12, № 4. – pp. 48-54.
4. Husak Ye., Solodovnik O., Pogorielov M., Yanovska A., Korniienko V., Kozik Ye., Liubchak I., Mishchenko O., Szajna E., Zinchenko Ye. Corrosion and biocompatibility improvement of HA-coated magnesium-based alloys as bone implant materials. 2018 IEEE 8 th International Conference on Nanomaterials: Applications and (NAP), 2018, Part 4, 04NNLS13-1-04NNLS13-4.
5. Antibacterial activity of the new copper nanoparticles and Cu NPs/chitosan solution // V. Holubnycha, O. Ivashchenko, O. Kalinkevych, M. Pogorielov, B. Peplinska, M. Jarek, V. Korniienko // *Nanomaterials: Application & Properties: 7th International Conference Nanomaterials: Application & Properties*. – 2017. – Part 4. – p. 04NB12.
6. Holubnycha V. M., Trofimenko Y.V., Kalinkevych O.V., Korniienko V.V., Sklyar A.M. Antibacterial action of chitosan and copper nanoparticles composites. *Biomedical and biosocial anthropology*. № 26 (2016), 74-76.
7. Skin defect modeling in experimental animals / A. Oleshko, V. Korniienko, Yu. Tkachenko et al. // *Georgian Medical News*. – 2015. – №2 (239). – P. 103 – 108.
8. Pogorelov M.V., Korniienko V.V. Planimetric and morphometric parameters of the burns healing process using chitosan membranes in animals of different age groups. *Morphologia* Vol. 9, № 2 (2015), 58–61.
9. Korniienko V. V. The features of morphogenesis of a burn wound applying chitosan films in elderly animals Vol. 4, № 1 (113) (2014), 275–278.

10. Kornienko V. V. The features of burn regeneration applying chitosan films in the young animals. *World of medicine and biology*. №4 (46) (2014), 107–113.
11. Kornienko V.V., Kalinkevich O.V., Pogorelov M.V., Oleshko A.N. The morphogenesis features of burn wounds by applying chitosan membranes in different age periods. *Morphologia* Vol. 7, № 4 (2013), 42–50.
12. Pogorelov M. V., Kalinkevich O. V., Solodovnik A. V., et. al. Chitosan use to treat skin damage of various etiologies. *Tavrisheskiy Mediko-Biologicheskiy Vestnik*. Vol. 16, № 1, part 2 (61) (2013), 65-69.
13. Kornienko V.V., Kalinkevich O.V., Deyneka V.N., Pogorelov M.V. The Cytological Features of Burn Wound Surface by Applying Chitosan Membranes. *Ukrainian Medical Almanac* Vol. 16, № 3 (2013), 65-69.
14. Kornienko V. V. Planimetric analyses of the burn areas after chitosan membranes application. *Journal of Clinical and Experimental Medical Research*. Vol. 1, № 4 (2013), 8-18.

PUBLISHED ABSTRACTS

1. Oleshko O.M., Kornienko V.V., Holubnycha V.V., Husak E.V., Deineka V.M., Varava J.V., Dudko J.S., Savchenko A.V. Effect of ZnO nanoparticles for cellular toxicity and antibacterial properties of TiZr metal alloy after plasma electrolytic oxidation. XII International medical scientific conference for students and young doctors, Medical university – Pleven, Bulgaria, 28 October -02 November, 2019. – p. 122
2. Kornienko V., Radwn-Praglowaska J., Savchenko A., Varava J. Time-depending antibacterial effect of chitosan sponges against different bacterial strains. International conference «Nanomaterials for biosensor and diomedical applications» supported by the University of Latvia, Jurmala, Latvia 2-4 July, 2019. – p. 37
3. Kornienko V.V. Liubchak I.V. Spherical/tetrapods ZnO nanoparticles antibacterial activity against *S. aureus*. International Scientific and Practical Conference of Students, Postgraduates and Young Scientists «Topical issues of theoretical and clinical medicine» (October 17-19, 2018), Sumy, Ukraine, p. 119.
4. Kornienko V., The effect of chitosan film on microbial colonization of the burn wound surface at different age stages. International Medical Conference for Students and Young Doctors, 16-17 November, 2017), Sumy, Ukraine, p. 52 – 53.
5. Pereshyvailo O., Kornienko V. Innovative chitosan film for burn wound treatment (morphological analysis). ISMCK 8th International Student Medical Congress (22 – 24 of June, 2016), Kosice, Slovakia, p. 157
6. Kornienko V. V. Dynamics of planimetric indexes of the burn areas after chitosan membrane. International Medical Conference for Students and Young Doctors (23–24 April, 2015), Sumy, Ukraine, p. 52 – 53.