

## ZOIA LEVCHENKO



Assistant of Department Physiology and Pathophysiology with Medical Biology, Sumy State University (SumSU);

Member of the Ukrainian public organization «M.I. Vavilov Ukrainian Association of Geneticists and Breeders»;

Member of the Scientific Society of Pathophysiologists of Ukraine.

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### **EDUCATION AND WORK EXPERIENCE:**

**1986 - 2014** - chemistry teacher of Sumy Specialized School I-III years. No. 17, Sumy

**2014** - to the present time – assistant of the Department of Physiology and Pathophysiology with a course in medical biology of the Educational and Scientific Medical Institute of Sumy State University

Z. Levchenko has skills in English language; native language– Ukrainian.

### **PROFESSIONAL DEVELOPMENT:**

1. Advanced training program at Sumy State University "Basics of critical thinking: logic, dialectics, rhetoric." SP certificate No. 05408289/0253-20, 16.04-24.04.2020, 1 ECTS credit
2. Advanced training program at Sumy State University "Distance learning technologies at Sumy State University", SP certificate No. 05408289/0991-20, 12.05-02.06.2020, 1 ECTS credit.
3. Advanced training program at Sumy State University "Task&Time management: implementation of classical methods in web applications" SP certificate No. 05408289/0552-20, 12.05-18.05.2020, 1 credit EKTS
4. Advanced training program at Sumy State University « Theory and practice organization of continuous education" Certificate of SP No. 05408289/0853-20, 19.05-22.05.2020, 1 ECTS credit
5. Advanced training program at Sumy State University "Peculiarities of using Microsoft Office 365 tools for the organization of distance learning in educational institutions", SP certificate No. 05408289/1272-20, 19.06-25.06.2020, 1 ECTS credit

6. Advanced training program at Sumy State University "Methods of activation of the educational process: modern trends", SP certificate No. 05408289/1887-20, 15.09-25.09.2020, 1 ECTS credit
7. Advanced training program at Sumy State University "Media and interactivity as the basis of successful educational methods"  
SP certificate No. 05408289/2209-20, 27.10-02.11.2020, 1 ECTS credit
8. Advanced training program at Sumy State University "Electronic learning technologies at Sumy State University"  
SP certificate No. 05408289/2011-21, 18.05-03.06.2021, 1 ECTS credit
9. Professional development program at Sumy State University "Ukrainian language: everyday helper for everyone", SP certificate No. 05408289/0180-22  
27.01-02.02.2022, 1 ECTS credit
10. Advanced training program at Sumy State University "Domestic assistance to victims in wartime conditions"  
SP certificate No. 05408289/0635-23, 13.03-14.03.2023, 1 ECTS credit
11. Advanced training program at Sumy State University "Physical and mental health of a person: principles of sustainability in crisis conditions", SP certificate No. 05408289/2377-23.02.10-06.10.2023, 1 ECTS credit
12. Online course "Look under your feet, look where you are going" 03/15/2023  
Certificate - Identification number of the certificate:8c4b9f19c04184b7126e51e7517ba5

#### **AVANCED TRAINING COURSES ON THE COURSERA PLATFORMA**

1. Coursera, Duke university. Cours Introductory Human Physiology – Yul 12, 2022
2. Coursera, University of Minnesota. Cours Driven to Diskover., Introdution to Integrative Therapies and Healing Praktices – Nov 5, 2022
3. Coursera, Johns Hopkins university. Cours Essential Epidemiologic Tools for Public Health Praktice –Nov7, 2022
4. Coursera, Rice university. Cours Medical Terminology I–Nov 8, 2022
5. Coursera, Rice university. Cours Medical Terminology II–Nov 9, 2022
6. Coursera, Rice university. Cours Medical Terminology III–Nov10,2022
7. Coursera, Renn university of Pennsylvania. Cours Vital Sings: Understanding What the Body Is Telling Us–Nov 10, 2022
8. Coursera, Duke university. Cours Medical Neurosciece–Nov 13, 2022
9. Coursera, Emory university. Cours Biohacking Your Drain”s Health–Nov 13, 2022
10. Coursera, University of Michigan. Cours Social Determinals of Health – Nov 25, 2022
11. Coursera, Rice university. Cours Anatomy & Physiology: Levels of Organization –Jun 28,2023
12. Coursera, Rice university. Cours Anatomy & Physiology: Support & Movement –Jun 29,2023
13. Coursera, Rice university. Cours Anatomy & Physiology: Regulation, Integration,& Control –Jul 3 ,2023
14. Coursera, University of Michigan. Cours Sleep: Neurobiology,Medicine, and Society–Jul 3, 2023

**SCIENTIFIC INTERESTS:** use of alternative methods of treatment.

**LANGUAGE COMPETENCES:**

English - A2 level

**PUBLICATION ACTIVITY:**

More than 20 publications

**ORCID iD:** [0000-0003-0722-830X](https://orcid.org/0000-0003-0722-830X)

**Scopus ID:** 57210843306, *h*- index = 1,  
<https://www.scopus.com/authid/detail.uri?authorId=57210843306>

**LIST OF MAIN PUBLICATIONS:**

1. Chemical bond and structure of matter // Chemistry, 2012, No. 6, pp. 4–7.
2. **Levchenko Z.M.** Self-analysis of the work of a chemistry teacher // Chemistry, 2012, No. 9, pp. 24–25.
3. Solving calculation problems on "Gas Laws" **Levchenko Z.M.** // Chemistry, 2015, No. 8, pp. 18–25.
4. 4. Children's fitness as one of the ways of forming a healthy personality of children of early preschool age. Scientific Bulletin of Innovative Technologies. Collection of scientific works. **Levchenko Z.M.** - No. 2(26). - 2020. - p. 131-134.
5. «THE ASSOCIATION OF VITAMIN D RECEPTOR GENE (VDR) POLYMORPHISMS WITH HIGH BLOOD PRESSURE IN STROKE PATIENTS OF UKRAINIAN POPULATION». Журнал «Wiadomosci lekarskie» (Warsaw, Poland : 1960) M.M., **Levchenko, Z.M.**, Smiianova, Y.O., Smiianov, V.A. Polski Merkuriusz Lekarski, 2023, 51(4), pp. 334–338
6. Guchenko I.A., Besedina A.A., **Levchenko Z.M.** The role of allelic polymorphism in the development of physical qualities // Mechanisms of the development of pathological processes and diseases and their pharmacological correction: abstracts of reports of the 5th scientific and practical Internet conference with international participation ( Kharkiv, November 17, 2022). Kharkiv. 2022. – P. 118-120.
7. Makhnyuk I. O., Besedina A. A., **Levchenko Z. M.** Genetic markers in the development of physical qualities of athletes // Mechanisms of development of pathological processes and diseases and their pharmacological correction: abstracts of reports of the 5th scientific and practical Internet conference with international participation ( Kharkiv, November 17, 2022). Kharkiv. 2022. P. 260-261.
8. Zdorovtsova D.O., Podduyeva V.P., **Levchenko Z.M.** The study of the adaptation potential and the degree of readiness for risk of students of the medical institute with different types of temperament / ker. : A. A. Besedina, Z. M. Levchenko // The first step into science: materials of the 13th student conference, Sumy, May 9-13, 2022. Sumy: Sumy State University, 2022. P. 43-44.
9. Robotko A., **Levchenko Z.M.** Study of the influence of hereditary factors and

physiological mechanisms on the performance of track and field athletes / ker. : A. A. Besedina, Z. M. Levchenko // The first step into science: materials of the XIII student conference, Sumy, May 9-13, 2022. Sumy: Sumy State University, 2022. P. 26-27.

10. Kostyuchenko T.O., **Levchenko Z.M.** Formation of health-oriented activities in first-year medical students. driver : A. A. Besedina, Z. M. Levchenko // The first step into science: materials of the XIII student conference, Sumy, May 9-13, 2022. Sumy: Sumy State University, 2022. P. 27-
11. Practicum in physiology for students of the 2nd year of the specialty "Dentistry" Methodological developments of Sumy, Sumy University category December 2022; 137 p. Garbuzova V.Yu., **Levchenko Z.M.**
12. Physiology workshop for students of the 2nd year of the specialty "Medicine" Methodological developments of Sumy, Sumy State University University category June 2022, 143p. Garbuzova V.Yu., **Levchenko Z.M.**
13. Besedina A. A., **Levchenko Z. M.**, Oleshko T. M. Practice-oriented activity in career orientation work of medical universities // Bulletin of science and education. 2023. Issue No. 8(14). P. 415-426. DOI: 10.52058/2786-6165-2023-8(14)-415-
14. Besedina A. A., Demenko M. M., **Levchenko Z. M.**, Rebriy Yu. O. Analysis of the role of molecular genetic markers in the development of physical qualities // Prospects and innovations of science (Rubric "Medicine"). 2023. No. 6(24). P. 7 – 16. DOI: [https://doi.org/10.52058/2786-4952-2023-6\(24\)-7-16](https://doi.org/10.52058/2786-4952-2023-6(24)-7-16)
15. Skibchyk Yu. A., **Levchenko Z.M.** The role of gene polymorphism in the development of Crohn's disease // The first step into science: materials of the 14th student conference, Sumy, May 14, 2023. Sumy: Sumy State University, 2023. P. 26-27.
16. Lysyuk S. A., **Levchenko Z. M.** Gene polymorphism as one of the genetic factors in the development of schizophrenia // The first step into science: materials of the 14th student conference, Sumy, May 14, 2023. Sumy: Sumy State University, 2023. P. 10-11.
17. Dyadchenko O.S., **Levchenko Z.M.** Gene polymorphism in Alzheimer's disease / // The first step into science: materials of the 14th student conference, Sumy, May 14, 2023. Sumy: Sumy State University, 2023. P.16-17

### **Main scientific articles in publications that are indexed scientometric database SCOPUS**

1. POLYMORPHISMS WITH HIGH BLOOD PRESSURE IN STROKE PATIENTS OF UKRAINIAN POPULATION». Журнал «Wiadomosci lekarskie» (Warsaw, Poland : 1960)
2. «Positive Association between SRA1 rs801460 Polymorphism and Proliferative Type of Benign Breast Disease with Atypia in Ukrainian Females» Журнал Experimental oncology, Міжнародна категорія Lukavenko, I.M., Kolnoguz, A.V., Harbuzova, V.Yu.Грудень 2021, № 43, с. 341–345.
3. ANALYSIS OF THE BLOOD HYPERCOAGULATION RISK IN PATIENTS WITH ISCHEMIC ATHEROTHROMBOTIC STROKE DEPENDING OF THE

## VDR GENE POLYMORPHISMS

Obukhova, O.A., Harbuzova, V.Yu., Zavadska, M.M., Levchenko, Z.M., Smiianova, Y.O., Smiianov, V.A.

Polski Mercuriusz Lekarski, 2023, 51(4), pp. 334–338

4. Antonina A. Biesiedina, Maryna M. Demenko, Tetiana M. Oleshko, Anastasiia Yu. Starchenko, Zoia M. Levchenko. RELATIONSHIP OF DERMATOGLYPHICS WITH SPEED OF REACTION AND TYPE OF TEMPERAMENT OF ATHLETICS. Wiadomości Lekarskie Medical Advances. 2023; 12: 2564-2571. doi:10.36740/WLek202312103
5. Demenko M, Harbuzova V, Obukhova O, Biesiedina A, Levchenko Z. Personal component of graphomotor skills of children aged 5–8 years. East Ukr Med J. 2023;11(4):442-452. DOI: [https://doi.org/10.21272/eumj.2023;11\(4\):442-452](https://doi.org/10.21272/eumj.2023;11(4):442-452)