

Oleksii Solodiankin

Date of birth: 14th December 1981



E-mail: olexii.solod@gmail.com

Scientific level:

Candidate of Biological Sciences (PhD) for specialty 03.00.15 – Genetics

Scientific title: Senior Research for specialty 091 - Biology

Scopus iD : 56736935600

ORCID iD : 0000-0002-8698-0390

H-index: 9

PhD thesis:

Molecular genetic analysis of the Gallid herpesvirus 2 gB and pp38 genes and construction of DNA vaccination and diagnostic tools for Marek's disease, (Kharkiv, V. N. Karazin Kharkiv National University, 2012)

Education:

1998-2003 – V. N. Karazin Kharkiv National University, Faculty of Biology, Master of Biology;

2003-2006 – Kharkiv State Zooveterinary Academy, post-graduate student;

Work experience:

2023 – present time – Senior Researcher of the Department of Organic and Bioorganic Chemistry, Institute of Chemistry of Functional Materials, State Scientific Institution «Institute for Single Crystals» of National Academy of Sciences of Ukraine;

2021-2023 – Leading Researcher of the Molecular Diagnostics Laboratory, National Scientific Center Institute of Experimental and Clinical Veterinary Medicine;

2016-2021 – Head of the Molecular Diagnostics Laboratory, National Scientific Center Institute of Experimental and Clinical Veterinary Medicine;

2015 - 2016 – Head of the Recombinant Technologies Sector, National Scientific Center Institute of Experimental and Clinical Veterinary Medicine;

2014-2015 – Leading Researcher of the Molecular Diagnostics Laboratory, National Scientific Center Institute of Experimental and Clinical Veterinary Medicine;
2013-2014 – Senior Researcher of the Molecular Diagnostics Laboratory, National Scientific Center Institute of Experimental and Clinical Veterinary Medicine;
2011-2013 – Researcher of the Molecular Diagnostics Laboratory, National Scientific Center Institute of Experimental and Clinical Veterinary Medicine;
2007-2011 – Junior Researcher of the Molecular Diagnostics Laboratory, National Scientific Center Institute of Experimental and Clinical Veterinary Medicine;
2007 - 2006 – Specialist of the Entomology Laboratory, National Scientific Center Institute of Experimental and Clinical Veterinary Medicine;
2003 – Biology teacher of the Kharkiv Lyceum No. 107 with an in-depth study of biology;

Professional skills:

- research work (molecular genetic research, microbiological research, immunological research);
- leadership of scientific groups;

Award:

2014 - Prize of the Verkhovna Rada of Ukraine for the most talented young scientists of Ukraine in the field of fundamental and applied research and scientific and technical developments;
2015 - Diploma of the 1st degree of the Presidium of the NAAS "The best scientific report among young scientists of the NAAS in fundamental and applied research";
2016 - Winner of the competition for scholarships of the Kharkiv Regional Council for talented young scientists, the Ilya Ilyich Mechnikov scholarship (medicine and biology);

Foreign Languages:

- English (basic)

Main publications:

1. Rudova, N., Buttler, J., Kovalenko, G., Sushko, M., Bolotin, V., Muzykina, L., Zinenko, O., Stegnyy, B., Dunaiev, Y., Sytiuk, M., Gerilovych, A., Drown, D. M., Bortz, E., & **Solodiankin, O.** (2022). Genetic Diversity of Porcine Circovirus 2 in Wild Boar and Domestic Pigs in Ukraine. *Viruses*, 14(5), 924. <https://doi.org/10.3390/v14050924>
2. Mykhailenko, A., Utevsky, A., **Solodiankin, O.**, Zlenko, O., Maiboroda, O., Bolotin, V., Blaxland, J., & Gerilovych, A. (2020). First record of *Serratia marcescens* from Adelie and Gentoo penguin faeces collected in the Wilhelm Archipelago, Graham Land, West Antarctica. *Polar Biology*, 43(7), 903–910. <https://doi.org/10.1007/s00300-020-02682-7>

3. Konstantynovska, O., Rekrotchuk, M., Hrek, I., Rohozhyn, A., Rudova, N., Poteiko, P., Gerilovych, A., Bortz, E., & **Solodiankin, O.** (2019). Severe clinical outcomes of tuberculosis in kharkiv region, ukraine, are associated with beijing strains of mycobacterium tuberculosis. *Pathogens*, 8(2). <https://doi.org/10.3390/pathogens8020075>
4. Daum, L. T., Konstantynovska, O. S., **Solodiankin, O. S.**, Poteiko, P. I., Bolotin, V. I., Rodriguez, J. D., Gerilovych, A. P., Chambers, J. P., & Fischer, G. W. (2019). Characterization of novel Mycobacterium tuberculosis pncA gene mutations in clinical isolates from the Ukraine. *Diagnostic Microbiology and Infectious Disease*, 93(4), 334–338. <https://doi.org/10.1016/j.diagmicrobio.2018.10.018>
5. Daum, L. T., Konstantynovska, O. S., **Solodiankin, O. S.**, Liashenko, O. O., Poteiko, P. I., Bolotin, V. I., Hrek, I. I., Rohozhyn, A. V., Rodriguez, J. D., Fischer, G. W., Chambers, J. P., & Gerilovych, A. P. (2018). Next-Generation sequencing for characterizing drug resistance-Confering mycobacterium tuberculosis genes from clinical isolates in the Ukraine. *Journal of Clinical Microbiology*, 56(6). <https://doi.org/10.1128/JCM.00009-18>
6. Ayala, A. J., Dimitrov, K. M., Becker, C. R., Goraichuk, I. V., Arns, C. W., Bolotin, V. I., Ferreira, H. L., Gerilovych, A. P., Goujgoulova, G. V., Martini, M. C., Muzyka, D. V., Orsi, M. A., Scagion, G. P., Silva, R. K., **Solodiankin, O. S.**, Stegny, B. T., Miller, P. J., & Afonso, C. L. (2016). Presence of vaccine-derived newcastle disease viruses in wild birds. *PLoS ONE*, 11(9). <https://doi.org/10.1371/journal.pone.0162484>
7. Dimitrov, K. M., Bolotin, V., Muzyka, D., Goraichuk, I. V., **Solodiankin, O.**, Gerilovych, A., Stegny, B., Goujgoulova, G. V., Silko, N. Y., Pantin-Jackwood, M. J., Miller, P. J., & Afonso, C. L. (2016). Repeated isolation of virulent Newcastle disease viruses of sub-genotype VIIId from backyard chickens in Bulgaria and Ukraine between 2002 and 2013. *Archives of Virology*, 161(12), 3345–3353. <https://doi.org/10.1007/s00705-016-3033-2>