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Biological Standardization

**Maintaining the Quality of Vaccines Through the Use of Standards:
Current Challenges and Future Opportunities**
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Dr. Alexander Zakhartchouk received his PhD in molecular biology from the National Research Institute of Agricultural Biotechnology (Moscow, Russia) and DVM from Moscow Veterinary Academy. After completing a post-doctoral training at the Vaccine and Infectious Disease Organization (VIDO), Canada, he worked as a Research Scientist at the Crucell company (The Netherlands) and later at VIDO, Canada. He is an adjunct professor in the Department of Veterinary Microbiology at the Western College of Veterinary Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

Dr. Zakhartchouk has been involved in molecular characterization of non-human adenoviruses with the aim to develop them as live vaccine vectors for animals and humans. After the SARS-CoV-1 epidemic occurred, he became involved in developing a vaccine against SARS-CoV-1.

Dr. Zakhartchouk joined the Canadian Food Inspection Agency (CFIA) in 2018 as a Veterinary Biologics Evaluator at the Canadian Centre for Veterinary Biologics (CCVB). The CCVB is responsible for regulating the manufacturing, testing, labelling, import, export, distribution, and use of veterinary biologics in Canada.

