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Dr. Lubov Brovko is a Senior Research Associate at the Canadian Research Institute for Food Safety and an Adjunct Professor at the Department of Food Science, University of Guelph, Canada. She was born and raised in Moscow, Russia. Dr. Brovko graduated from Lomonosov Moscow State University (Moscow, Russia), Faculty of Chemistry, Department of Chemical Kinetics and Catalysis in 1973 with a Master of Science degree in Chemistry/Biochemistry. From 1973 to 1975 she worked at the Belozersky Institute of Physico-Chemical Biology, Lomonosov Moscow State University. In 1975, Dr. Brovko joined the Department of Chemical Enzymology (Faculty of Chemistry, Lomonosov Moscow State University) as a Junior Researcher and was employed there until 1997 as a Researcher, Senior Researcher, and Leading Researcher. In 1980, Dr. Brovko obtained her Ph.D., and she began working in the area of analytical applications of enzymes in biochemistry, microbiology, and cell physiology. In 1992 she obtained the degree of Doctor of Science.

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Dr. Brovko has more than 30 years experience in investigation of bioluminescence, both basic properties and application in biochemistry, microbiology, immunology, and cell biology; she is a member and scientific advisor of the International Society for Bioluminescence and Chemiluminescence. Dr. Brovko has published more than 100 papers in peer-reviewed scientific journals, 5 book chapters, and a book, *Bioluminescence for Food and Environmental Safety* (SPIE Press). Current research interests include the development of luminescence-based methods for detection of bacterial pathogens in food and environmental samples, development of photodynamic methods for destruction and detection of bacteria, development of *in vivo* bioluminescence models for assessment of immunomodulation effects of food ingredients using bioluminescent pathogenic bacteria, and development of cell-based bioluminescence biosensors for the detection of pathogens.

Lubov Brovko lives with her husband of 39 years Alexander Brovko in Guelph, Ontario, Canada. They have two children and two grandchildren.