



Biovanta, the first product from Applied Biological Laboratories, is “the only 100% natural over-the-counter” cold, cough and sore throat drug. Applied Biological Laboratories is a New York biotechnology company committed to the research, development, manufacturing, and distribution of scientifically validated natural products that strengthen the body’s innate defenses.



Nazlie Latefi, PhD, Co-Founder and Chief Scientific Officer

At the crossroads of nature and science

Q: What is a natural drug?

A: The Food and Drug Administration designates active ingredients predetermined as safe and effective for specific therapeutic purposes as a “monograph,” a system that was established in 1972. In the case of cold, cough and sore throat indications, more recent placebo-controlled studies have shown that most monograph ingredients can be toxic to respiratory cells.

As an alternative, there are homeopathic and dietary supplement products for cold, cough and sore throat that are made from natural ingredients. Some of these manufacturers make very aggressive claims about completely curing the cold and its symptoms. Since the FDA doesn’t regulate the safety, effectiveness, ingredients, dosage, formulations and labeling of homeopathic and dietary supplement products, users are cautioned by the FDA to do their own research before taking these products. The fact is that most of these manufacturers show little or no scientific evidence to back any of their claims; moreover, some independent studies, including comprehensive meta-studies have shown that these ingredients don’t work and often even prolong the sickness. Based on these findings and the potential for side effects,

the FDA warns that these products could “cause significant patient harm.”

Q: What makes Biovanta different?

A: Biovanta contains 100% natural monograph ingredients that have proven in numerous double-blind, placebo-controlled studies to be more effective and safer than the leading cold, cough and sore throat products on the market. I along with my team have been studying how respiratory cells respond to inflammation and infection, in collaboration with various world-renowned laboratories, for many years. We have found that the natural molecules in Biovanta work via a unique mechanism to effectively address cold, cough and sore throat and restore the health of the respiratory cells. More importantly, it does it naturally through a very well-studied and well-defined mechanism of action.

Q: What scientific evidence do you have?

A: We realize that everything we’re saying sounds too good to be true, but we have substantial scientific data to back up all of our claims. We are planning to publish our findings in a scientific paper. But, to give you some sense, we have tested our product against the leading brands, and the results show that our product is superior in terms of both efficacy and safety.

Q: Please tell us a little about your company, Applied Biological Laboratories.

A: We call it Applied Bio. Applied Bio is a New York biotech committed to research, development, manufacturing and distribution of scientifically proven natural molecules. Our company’s first round of product offerings targets common respiratory viruses such as rhinovirus, influenza, coronaviruses, respiratory syncytial viruses, adenovirus as well as more general respiratory health problems, such as sore throat, chronic cough, sinusitis and asthma. Applied Bio’s products are patented, groundbreaking, clinically proven over-the-counter and prescription drug brands that selectively, effectively and naturally remedy and prevent the contraction of the most common respiratory viruses.

Q: How did you come up with the formulation for Biovanta?

A: We were very fortunate to find our various formulations. It came about with a little bit of luck and a lot of science. During my PhD work at McGill, I came across some publications related to my field of study regarding cell surface molecules. These publications piqued my curiosity and more ideas, which eventually germinated into our company. It was a simple idea, that you can use natural processes to cure and prevent disease. Natural processes help maintain a healthy balance, which is very important to good health and minimizing side effects. Our innovations would not have

been possible without state-of-the-art scientific technologies developed only in the past few years. These technologies allow us to test our natural molecules in the human respiratory system and measure the immune response — the natural chemicals secreted (cytokines) — in different conditions. They also help us to observe and test the individual viruses and their respective receptors on a molecular level in order to learn about the synergy and the mechanism of action of our molecules individually and collectively in the intracellular (apical and basal levels) and intercellular settings.

Q: Are you currently working on other medications?

A: Absolutely. All our products are patented, and they all aim to selectively, effectively and naturally remedy and prevent the contraction of the most common respiratory viruses.

Q: How do you plan to finance these studies?

A: The government has been very supportive. We’ve received funding from the Centers for Disease Control and Prevention (CDC) and National Institutes of Health (NIH) to help bring our products to market. We also have been fortunate to work with partners and financiers that share our vision. Also, as true scientists we are not very personal wealth oriented, so we intend to reinvest all of our profits into research and development to come out with more groundbreaking products for our consumers.

