SUCCESS STORY

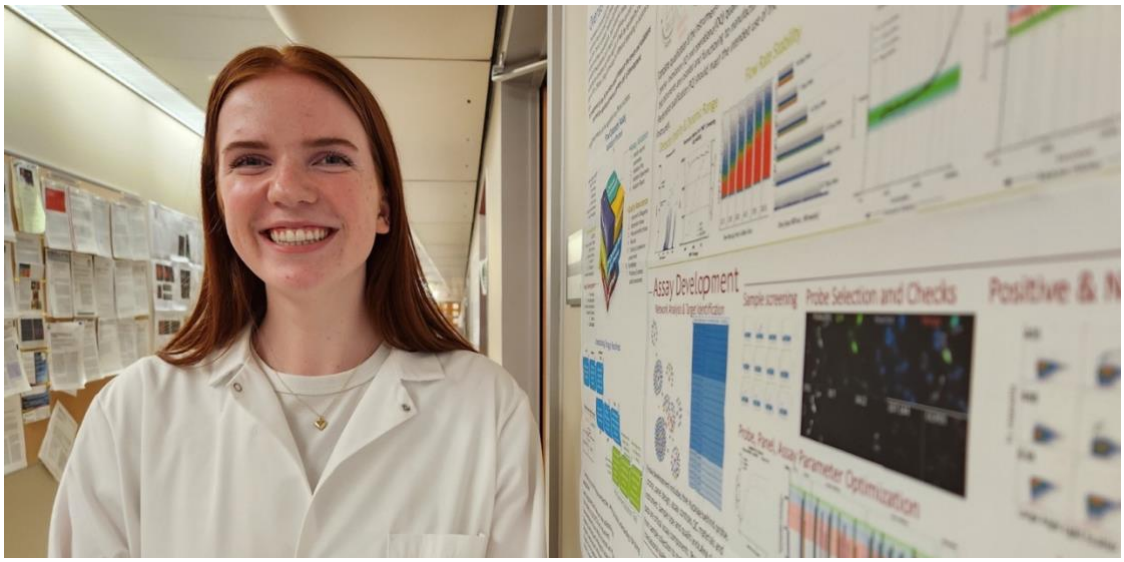
www.bioalberta.com

www.nanosticsdx.com

Nanostics is an Alberta-based precision health company with a leading approach to machine learning and biomarker-driven improvements to patient care. Their lead product, ClarityDX Prostate, is a highly accurate test designed to assist in the diagnosis of clinically significant prostate cancer and aid in the decision to proceed to a biopsy. Nanostics' mission is to help bring clarity to healthcare decisions. Their detection platform is applicable to a wide range of cancers and other diseases.

WIL funding allowed Nanostics to hire qualified students this summer, in turn enabling Nanostics to put extra resources towards their research and development projects. Being able to hire students also helps Nanostics assess and recruit highly qualified personal into the company, hiring with the intention of retention. This summer, the interns proved extremely successful and have helped Nanostics advance their product pipeline.

One of the interns, Elena Anderson, a fourth year Biochemistry student at the University of Alberta, was instrumental in helping Nanostics develop new and improved biomarker standards



Nanostics summer intern Elena Anderson

that can be used for the development of new diagnostics tests using their extracellular vesicle detection technology. Working with the research and development team, Elena was able to validate several new biological standards using microflow cytometry. These new standards will be used to increase the accuracy and reproducibility of all Nanostics' extracellular vesicle biomarker tests. Elena makes note that "working through this project allowed me to further understand the importance and implications of standardization within a field of research, as well as practice a wide variety of techniques, procedures and analyses."

For Elena, the most exciting part of working with Nanostics was the mentorship she received from fellow employees. She says the relationships have "transformed how I think about this industry and my role within it." After her time at Nanostics, Elena feels equipped and prepared to pursue a career within this field. She hopes to continue working in the industry of translational and clinical research, ideally one day branching into clinical trial work.

Did you know?

The abundance and ubiquity of extracellular vesicles in our bodies make them the ideal biomarker for disease prediction. The challenge is accurately identifying these microscopic particles and developing robust methods of detection. Elena was able to help Nanostics validate new standards that can be used to more accurately quantify extracellular vesicles in blood samples. The result of her studies has enabled Nanostics to develop more robust and accurate biomarker tests for a variety of diseases. Learn more here.