

KPU Applied Genomics Centre – Technology Access Centre backgrounder

The KPU Applied Genomics Centre (AGC) is an applied research and innovation centre focused on developing genomic and metabolomic (the study of DNA and the molecules produced by cells) solutions for agriculture in Canada. As a newly-designated Technology Access Centre (TAC), the AGC is providing companies with access to cutting-edge technology and an experienced research team that addresses modern challenges.

- The AGC is Canada's only TAC dedicated to genomics, and the only national centre focused on delivering applied genomic research and development services to the agriculture sector.
- For 2025-2030, the AGC-TAC will be supported by an expected \$9 million in funding. Over five years, a Natural Sciences and Engineering Research Council of Canada (NSERC) TAC grant will contribute \$1.75 million. Other funding includes: \$1.5 million from KPU, up to \$2.3 million from industry, \$3 million from other grants.
- Founded in January 2019, the AGC is located at KPU Surrey.
- The AGC has provided genomic research and development services to over 60 partners — industry, government, First Nations and community organizations — particularly small- and medium-sized enterprises.
- The AGC is equipped with \$4 million of state-of-the-art equipment and tools to support a broad range of DNA sequencing, chemical analysis and other advanced services that address the R&D needs of the agriculture sectors in BC and across Canada.
- Applied research projects include disease diagnostics, breeding optimization and environmental DNA analysis to improve crop consistency, crop yield and plant and animal health.
- Led by AGC Director Dr. Paul Adams, research and development is also supported by KPU faculty members, research staff and KPU student research assistants.
- More than 15 students each year gain hands-on training through applied research projects that have a direct impact on their communities — building industry-ready talent in line with KPU's polytechnic and skills-training priorities.

For more information, please visit <https://www.kpu.ca/agc>