OPAL
Omics & Precision Agriculture Laboratory

A One-Stop-Shop.

OPAL is a state-of-the-art facility providing combined genomics, phenomics and bioinformatics services.

Genomics
Upload your UAV imagery to our cloud service. We will automatically generate a high-resolution orthomosaic, a Digital Surface Map, and 3D point cloud.

Phenomics
A variety of equipment to capture digital plant images (both above and below ground) in controlled and in-field environments.

Computational Informatics
In-depth computer analyses of genomics or phenomics data.

PlotVision
Phenoinformatics services offering image data processing pipeline and machine learning feature resolution.

Flow Cytometry
State-of-the-art services to rapidly characterize microbial, plant and animal samples, and provide insights into the reproductive analyses of seeds.

Visit opal.gifs.ca for more information.