

Information for prospective member institutions

The Ontario Joint Genomics Program (OJGP) is a planned community of like-minded genome centres serving research and clinical needs across Ontario using centralized services to share capacity and knowledge to deliver standardized, high-quality, accredited assays. As OJGP works towards its launch, we are sharing the information below so that genome centres who are interested can learn more about how the requirements for membership are being envisioned.

Please contact inquiries@ojgp.ca if you need more information.

☐ **Laboratory Information Management System (MISO)**

- OJGP will provide new members with support to set up [MISO](#), an open-source system purpose built for genomics labs supported by OJGP (physical install or cloud).
- Members are responsible for their own hardware and computing costs.

☐ **Certifications**

- Commitment to obtaining certifications (College of American Pathologists, Accreditation Canada Diagnostics including ISO15189) within one year for assays requiring a clinical report. OJGP will provide information to assist you in obtaining these. Certification is not required for research use only (RUO) assays.

☐ **Illumina sequencer(s) (NovaSeq X Plus preferred)**

- Other sequencers can perform OJGP assays, but the NovaSeq X Plus is key to delivering a cost-effective, high-quality service.

☐ **Data processing**

- Very [large amounts of data](#) need to be captured, and retained using a combination of short (e.g., 60 days) and longer term (two years) storage solutions, depending on data retention policies.
- Access to a high-speed network is required.
- Multiple options for data analysis are available including OJGP pipelines.

- ☐ **Sample handling and processing**
 - Lab should be set up using GLP guidance and provide effective separation between adjacent areas to prevent cross-contamination.
- ☐ **Quality system**
 - Ability to host a secure, shared document system (e.g., MS SharePoint).
 - OJGP will provide an ISO:9001 and ISO:15189 (medical laboratories) compliant quality management system.
- ☐ **Access to a board-certified geneticist**
 - Only required for clinical reporting.
- ☐ **Designated representative(s) to serve on Oversight Committee**
 - The OJGP Oversight Committee (OC) will provide insight on project triage, general operations and other matters. One OC member per lab is required, typically the labs' head of operations.
- ☐ **Designated representative to serve on Executive Committee**
 - OJGP Executive Committee members will be senior executives at member institutions (e.g., VP of Research or more senior) with the authority to make binding decisions on behalf of the host institution.
- ☐ **Lab contact(s)**
 - One or more operational contacts to handle day-to-day liaison with OJGP central office.
- ☐ **Sponsorship of eligible host institution**
 - OJGP members must be Ontario biomedical institutions. Their roles may include:
 - ◆ Contributing to OJGP governance.
 - ◆ Subsidizing the fixed costs of their genome centre(s).
 - ◆ Paying for OJGP membership to support OJGP central office costs and MISO technical support.

