The Office of

Personalized Genomics & Innovative Medicine

at Mount Sinai Hospital

Highlights

- Established to enable and promote the implementation of a ***personalized health care*** approach to the diagnosis and treatment of hereditary diseases such cancer, cardiac disease and rheumatoid arthritis;
- Closely collaborate with our Clinical Genomics centre, which has been providing genomics & bioinformatics services (genotyping, DNA sequencing, analysis) to local, national, and international users for over a decade;
- Instrumentation:
    - Illumina next generation sequencing platforms
    - Sanger sequencing platforms
    - Sequenom, and Illumina and Affymetrix array-based platforms;
- Partnered with leading research and molecular diagnostic centres;
- Ultimately will implement genetic/genomic discoveries into routine medical practice, improving the speed and precision of disease diagnostics and the quality of patient care.

Goals

- Implement Next Generation Sequencing (NGS) technology for advanced genetic testing;
- Create and disseminate bioinformatics pipelines for biomedical annotation of patients' genomes;
- Link patients' genetic data to their electronic health records;
- Develop and provide physician decision support tools to integrate disease risk and pharmacogenomics data; &
- Provide patients with access to their genetic information while providing appropriate genetic counseling services.

Opportunities

We are open to a range of partnership and collaborative opportunities and encourage you to visit our website and contact us with your ideas.

Contact:
Dawn Richards, PhD
Director, Strategic Opportunities
e: dawn@innovativemedicine.ca
t: 416-586-4800, ext. 5194

www.innovativemedicine.ca

MOUNT SINAI HOSPITAL
Joseph and Wolf Lebovic Health Complex
Samuel Lunenfeld Research Institute