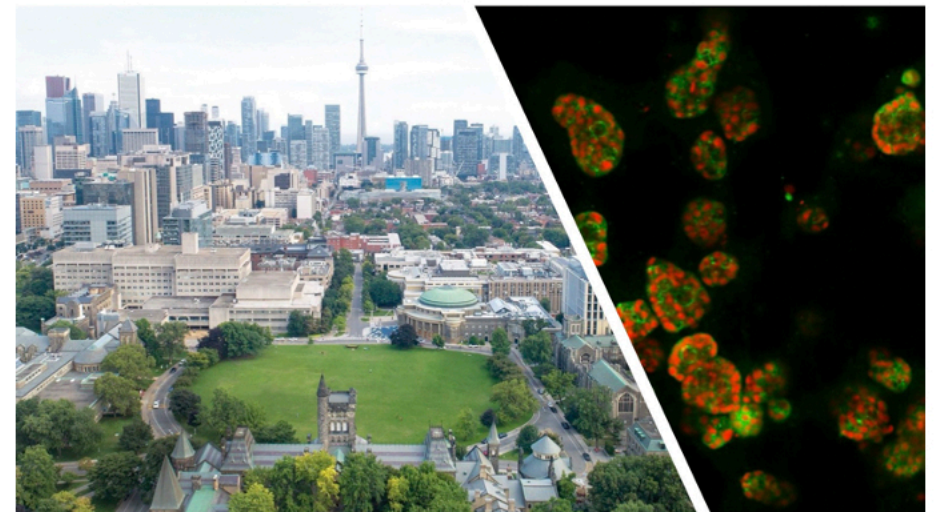


# Postdoc in Computational Bioimage Analysis at the University of Toronto

A postdoctoral position at the University of Toronto is immediately available for exceptional candidates interested in developing computational image analysis tools for the high-throughput screening of cancer therapeutics. The position will be under the joint supervision of Dr. J. N. Milstein (Department of Physics, <https://www.utm.utoronto.ca/milsteinlab/>) and Dr. R. Fernandez-Gonzalez (Institute of Biomedical Engineering, <https://www.quantmorph.ca/>). The successful applicant will work in close collaboration with Dr. A. McGuigan's lab (Institute of Biomedical Engineering, <http://www.mcguiganlab.com/>) who have developed a high-content 3D culture platform that enables high-throughput microscopy of patient derived organoids.



We are looking for a highly motivated candidate to develop a series of computational tools to be applied toward drug screening within these model organoid systems. The goal is to quantify the dynamics of different cell populations within the organoid cultures after therapeutic treatments and to assess the impact of tumour heterogeneity on therapy response.

## Qualifications:

- Exceptional computational skills.
- A keen interest in interdisciplinary research.
- Ph.D. in Physics, Biomedical Engineering, Computer Science, Computational Biology, or related field.
- A track record of scientific productivity.
- Have strong verbal and written communication skills.

The position is funded for a two-year period with an initial salary of \$50k/year + benefits. Applicants should directly contact Dr. J. Milstein by email ([josh.milstein@utoronto.ca](mailto:josh.milstein@utoronto.ca)). In your correspondence, please provide an up-to-date CV and contact information for three references.

*The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.*