

Postdoctoral and PhD student positions are available in the Computational Biology and Biophysics Laboratory of Queen's University, Kingston, Ontario, Canada (<https://panchenko-lab.org/>). The laboratory studies epigenetic mechanisms with a specific focus on cancer. The topics of interest include: binding mechanisms of partners to nucleosomes; effects of DNA methylation on nucleosome dynamics and DNA accessibility; impacts of cancer mutations on chromatin; coupling between chromatin organization and mutational processes.

The prospective postdoctoral fellows or students will design computational approaches to identify epigenetic processes leading to mutation occurrence and repair in cancer.

The laboratory works in close collaboration with several experimental laboratories across the world. Candidates are expected to possess excellent interpersonal skills and ability to interact effectively with multidisciplinary research teams. The program is located in a beautiful space overlooking Lake Ontario and has an access to the state-of-the-art high-performance computing facilities.

For further information, please contact Anna Panchenko (anna.panchenko@queensu.ca). To apply for this position, please send a letter of application and a detailed CV.