



## Postdoctoral position: Genome Mutability and Organization in Cancer

The Computational Oncology Group at the Machine Learning Department at Moffitt is seeking a creative and motivated postdoc to join our new team.

We combine multidisciplinary and multiscale approaches: machine learning, information theory, computational and structural biology, and mathematical oncology, to study the mechanisms of DNA mutability, conformational rearrangements on the local and global genome scales. We are interested in the role of DNA and protein mutability and structure, chromatin architecture, and tumor topology in cancer development and progression. We seek to understand the impact of DNA damage and repair processes on highly heterogeneous patterns of mutations, responses to treatment, metabolic reprogramming across the genomes and populations.

We are in the beautiful Tampa, Florida, an important center for oncology research in the US. The newly established Department of Machine Learning at Moffitt provides a highly stimulating environment, with exceptional opportunities for collaborations and training. To apply, send a single PDF file that includes the following to the PI, Aleksandra Karolak, ([aleksandra.m.karolak@gmail.com](mailto:aleksandra.m.karolak@gmail.com)) and include 'postdoc application' in the e-mail subject:

1. A cover letter that describes your research and career goals, and your expertise or experience related to DNA mutability, cancer research, and skills including computational and structural approaches to cancer research, machine learning, and/or information theory.
2. A curriculum vitae, including a publication list with a brief description of your contributions to publications.
3. Names and contact information for 4 references.

Lab webpage and information coming soon (twitter @amkarolak). We officially start on October 11.

