



The Bioinformatics Core
(Office of Research Core Administration)

Maximizing Insights: Enhancing ATAC-Seq Experiment Design and Data Analysis

Pankaj Kumar, Ph.D.

Associate Professor,
Department of Biochemistry and
Molecular Genetics

Bioinformatics Core Director
pk7z@virginia.edu

Topics of Discussion

- Different Methods for Assessing Chromatin Accessibility
- Experimental Design of ATAC-Seq
- Pre-alignment QC
- Post-alignment QC
- Peak Calling
- Peak Annotation
- Differential Accessibility Analysis

May 14, 2024 @2pm

Pinn Hall 1014