GENOME INTEGRITY TEAM
John Maciejowski Lab

Memorial Sloan Kettering Cancer Center

OPEN TECHNICIAN POSITION

The Maciejowski Lab is seeking a highly motivated technician to join our genome integrity group. Our research focuses on the mechanisms of APOBEC3-dependent mutagenesis, the consequences of nuclear envelope disruption, TREX1 anti-tumor immunity, and ecDNA segregation. This role offers a unique opportunity to gain full-time research experience at a world-class cancer institute, which is ideal for those planning to pursue a PhD or MD/PhD program. Join us in our mission to advance our understanding of genome instability and its implications for human cancer.

The **Maciejowski Lab** studies the APOBEC3 family of cytosine deaminases, which are major endogenous sources of cancer mutagenesis. Parallel work in the lab focuses on how nuclear envelope instability initiates innate immune responses and DNA damage. Our current goals are to identify the causes of APOBEC3 dysfunction in cancer and to determine the mechanisms driving DNA damage at nuclear aberrations like micronuclei and chromosome bridges. The lab approaches these questions using multidisciplinary techniques, including state-of-the-art imaging, genomics, gene editing in mammalian cell

LOCATION AND BENEFITS

The Molecular Biology Program at Memorial Sloan Kettering Cancer Center (MSKCC) in New York City is a leader in the field of genomic integrity. The department is a collaborative, international environment that addresses key questions in cancer biology with the support of a strong network of technological platforms. MSKCC offers technicians employee benefits including paid overtime.

INTERESTED APPLICANTS

Please send CV and cover letter to John Maciejowski (maciejoj@mskcc.org) to apply.

PUBLICATIONS & MORE INFORMATION

Toufektchan, E. *et al., Cancer Immunol. Res.*(2024)

Petljak, M. *et al.*, *Nature* (2022)

Mohr, L. *et al. Mol Cell* (2021)

https://sites.google.com/view/maciejowskilab/home