

Postdoctoral Fellow

The laboratory of Mia Petljak, PhD at NYU Grossman School of Medicine (petljaklab.com) is seeking a Postdoctoral Fellow to join a multidisciplinary team investigating the cell-intrinsic and environmental causes of somatic mutations in human tissues, as well as their impact on cancer development and evolution. Building upon our foundational work ([Cell, 2019](#); [Nature, 2023](#); [Nature Genetics, 2023](#)), our team leverages mutational signatures, distinct genomic imprints left by individual mutagens on human genomes, to identify and characterize individual mutagenic sources. Through this approach, we aim to discover processes that cause and fuel cancer evolution, as well as aid in the development of innovative preventative and therapeutic strategies to prevent and treat it.

As a successful candidate, you will lead a project looking into the sources, exposure biomarkers and/or functional impact of the suspected or poorly defined cell-intrinsic and/or environmental carcinogens in cancer. Working side-by-side with bioinformaticians, you will benefit from learning computational aspects of the sequencing analyses, engaging in academic and industry collaborations. Mentorship will be provided by Dr. Petljak in translating applicable findings into patents and start-up opportunities as applicable. You will be located with the Petljak lab in the new, state-of-the-art [CURE facility](#) at 345 Park Avenue South in the center of Manhattan.



Required Qualifications

Candidates are required to hold a PhD, MD/PhD, or MD degree.

Preferred Qualifications

Preference is given to applicants with a strong expertise in both cell and molecular biology in human cell models, with a focus on cancer biology and any of the broad topics including genomic instability, DNA damage, repair and replication, metabolism, stem cells, and other cellular states and processes related to cancer (e.g., stress, senescence, differentiation, cell cycle, and cell death).

Salary

The salary range is \$70,000 to \$75,000, depending on completed years of experience.

Apply

To apply, send your CV and a statement of research to Mia.Petljak@NYULangone.org

NYU Langone Health is an equal opportunity and affirmative action employer committed to diversity and inclusion in all aspects of recruiting and employment. All qualified individuals are encouraged to apply and will receive consideration without regard to race, color, gender, gender identity or expression, sexual orientation, national origin, age, religion, creed, disability, military and veteran status, genetic information or any other factor which cannot lawfully be used as a basis for an employment decision.