



CUNY ADVANCED SCIENCE RESEARCH CENTER

Epigenetics Core Facility

The **Epigenetics Core Facilities** provide an array of state-of-the-art epigenetics research resources and services that include: automated single cell isolation and subsequent nucleic acid extraction, quantitative gene expression analysis with special expertise in low input amount, DNA/chromatin extraction and fragmentation and protein-nucleic acid association (ChIP) from tissue and enriched population, next generation sequencing library preparation (RNA-seq and ChIP-seq) and quality control check.

For consultation on experimental design and instrument capabilities, please contact Epigenetics Core Facilities Manager Jia Liu at Jia.Liu@asrc.cuny.edu or via telephone at **212-413-3183**.

The facility welcomes users from CUNY, other academic and research institutions, start-up companies and industry.

For more information:
neuro.asrc.cuny.edu/epigenetics

Available Instrumentation

QUANTSTUDIO 7 FLEX REAL-TIME QPCR SYSTEM

Quantitative PCR applications with automation options

PIPETMAX

Automated liquid handling with qPCR set-up assistance

QUBIT 3.0 FLUOROMETER

Sensitive nucleic acid quantification for NGS

TAPESTATION 4200

Gold standard for sample quality control for NGS

PIPPINHT

High throughput size selection for NGS

BIORUPTOR PICO SONICATION SYSTEM

All-in-one shearing system for DNA, RNA, chromatin shearing

NANODROP ONE

DNA, RNA, protein quantification with improved accuracy and early contaminant detection

ARIAFUSION CELL SORTER

Four lasers (11 colors) advanced cell sorter with bioprotection

MASSARRAY SYSTEM WITH EPITYPER

A non-fluorescent detection platform utilizing mass spectrometry to accurately measure DNA methylation.

C1

Automated single-cell preparation

BIOMARK HD

Automated, high-performance PCR system allowing single-cell sensitivity

