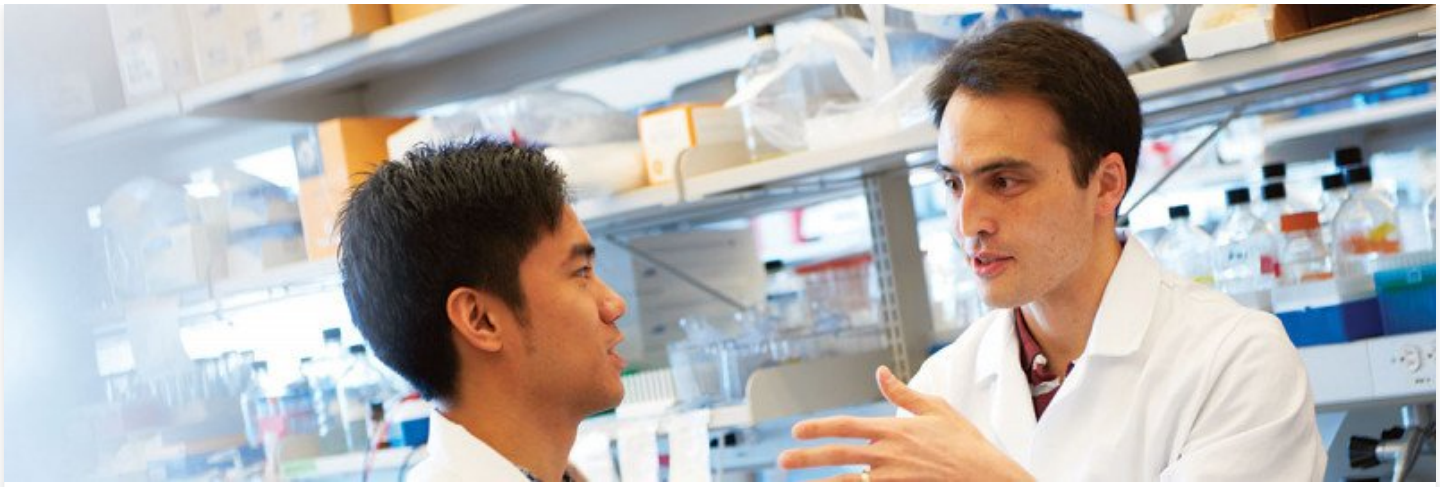
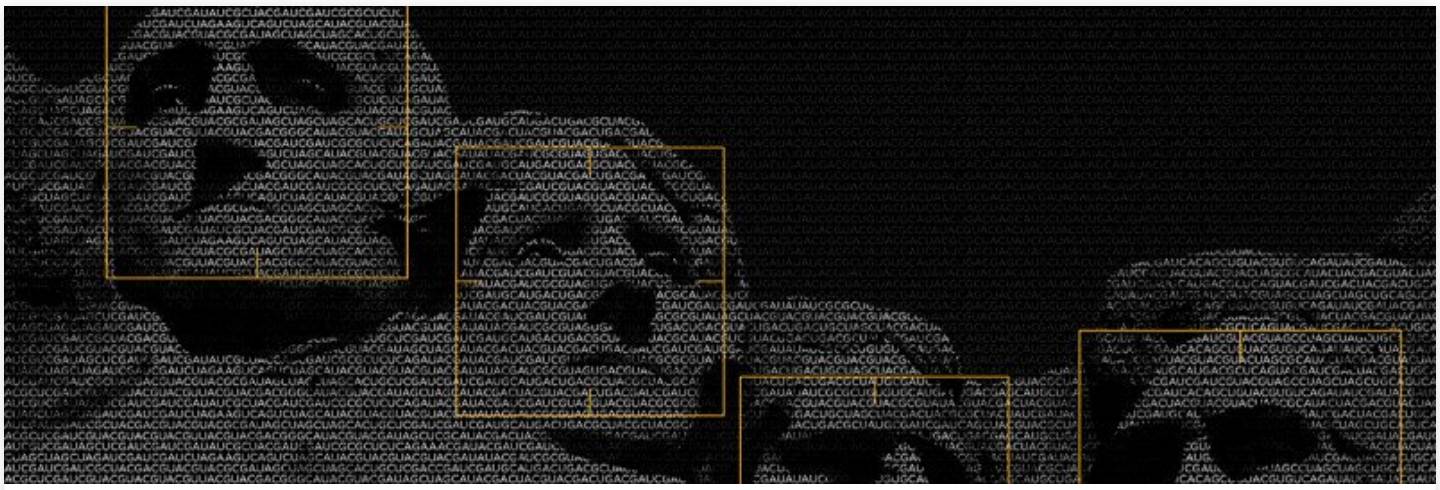
technology to our basic and translational research programs. Our goal is to provide the highest quality of scientific technology in rapid turn-around time, while operating in a cost-effective manner. Memorial Sloan Kettering's core facilities are staffed by research experts in the technologies offered. Education and training is provided in select cores.

For general information regarding core facilities and resources at Memorial Sloan Kettering, please email Agnes Viale at vialea@mskcc.org.



[Tooling Up: New Technologies Drive Advances in Cancer Research and Treatment at MSK]

[One by One: Single-Cell Analysis Helps Map the Cancer Landscape]



[Making a Splash: Researchers Apply Face-Detection Technology to the Study of Genes]

32 Core Facilities found

Animal Imaging

The Animal Imaging Core provides investigators with unique capabilities for the noninvasive detection, localization, and characterization of primary and metastatic cancer cells in vivo in small animal models.

Antibody & Bioresource

The Antibody and Bioresource Core provides information and various services to help researchers generate and use monoclonal antibodies in their experiments.

Antitumor Assessment

The Antitumor Assessment Core provides resources, professional and technical expertise, and advisory services related to the evaluation of a wide range of agents with potential antitumor activity.

Bioinformatics

The Bioinformatics Core provides comprehensive support to MSK investigators in bioinformatics, statistics, and computational analysis. Our services include expert scientific consultation tailored to individual research needs, advanced next-generation sequence analysis for processing and interpreting high-throughput data, spatial analysis for both transcriptomic and proteomic datasets, as well as image analysis, machine learning, and big data analysis methods. In addition to these services, we develop custom analysis pipelines, create robust information management systems, and offer custom application programming to address unique research challenges. These offerings streamline data processing and analysis, facilitate efficient organization and management of research data, and enable researchers to tackle complex problems using specialized tools. Furthermore, our services include efficient database management, optimizing performance, and ensuring seamless access to vital information for investigators' projects. With our wide range of services and continuous expansion, we empower researchers to access specialized tools and expert support for their various research needs.

Biostatistics

The Biostatistics Core serves investigators through collaborative research, general consulting, grant preparation support, education, data management, and computing.

Cell Metabolism

As part of the Donald B. and Catherine C. Marron Cancer Metabolism Center, the laboratory provides access to technologies and expertise allowing investigators at Memorial Sloan Kettering to measure small molecules in biological samples and characterize the metabolism of cancer cells.

Cell Therapy and Cell Engineering Facility

The Cell Therapy and Cell Engineering Facility Core develops, validates, and implements procedures critical to gene-transfer-related clinical research.

Center of Comparative Medicine & Pathology

The Center of Comparative Medicine and Pathology is an academically oriented, interdisciplinary

center that supports the development, characterization, care, and use of animal models at Memorial Sloan Kettering.

Flow Cytometry Core Facility

The aim of the Flow Cytometry Core Facility at MSKCC is to provide advanced instrumentation as well as high-level technical and scientific expertise in multi-dimensional Flow Cytometry and Cell Sorting, to facilitate science, improve the quality, and advance the scope of MSK research.

Gene Editing & Screening

The Gene Editing & Screening Core (GES Core) supports all Memorial Sloan Kettering investigators with resources and tools related to RNA Interference (RNAi) and Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR)technologies. As well as High Content and High Throughput Screening

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