



Center for Cancer Genomics (CCG) - www.cancer.gov/ccg

The Center for Cancer Genomics (CCG) was established by the National Cancer Institute to develop and apply genomic science to better diagnose and treat cancer patients. Owing to advances in sequencing technology, genomics has revolutionized our understanding of cancer biology and created a new classification framework based on the molecular alterations of tumors. CCG programs and collaborations aim to transform cancer diagnosis and treatment by uncovering the molecular changes that initiate cancer, promote growth and metastasis, and lead to drug resistance and relapse. To identify the clinical impact of genomic changes, CCG's initiatives integrate molecular data with highly annotated clinical data. The resulting high-quality data sets, along with data from independent submitters, are then made widely available for sharing across the research community through the NCI Genomic Data Commons, a unified knowledge base for cancer genomic research.

Programs - www.cancer.gov/ccg/programs

- The NCI Genomic Data Commons (GDC)
The GDC breaks down barriers to data sharing by bringing cancer genomic datasets into one location, harmonizing the data using common bioinformatics pipelines, and facilitating compliance with the NIH data sharing policy. CCG also plans to democratize data access by putting the GDC and advanced computational tools in the cloud. Learn more about the NCI Genomic Data Commons on cancer.gov/ccg or at gdc.nci.nih.gov
- Cancer Driver Discovery Program (CDDP)
- Cancer Genome Characterization Initiative (CGCI)
- Cancer Target Discovery and Development Network (CTD²)
- Therapeutically Applicable Research to Generate Effective Treatments (TARGET)
- The Cancer Genome Atlas (TCGA)

Collaborations - www.cancer.gov/ccg/collaborations

- Adjuvant Lung Cancer Enrichment Marker Identification and Sequencing Trial (ALCHEMIST)
- The Cancer Cell Line Encyclopedia (CCLE)
- Clinical Trial Sequencing Project (CTSP)
- Exceptional Responders Initiative (ER)
- International Cancer Genome Consortium (ICGC)
- The Cancer Genome Atlas (TCGA)

Member Offices

Office of Cancer Genomics (OCG) – Learn more at ocg.cancer.gov

The Cancer Genome Atlas (TCGA) – Learn more at tcga.cancer.gov