

National Cancer Institute

Laboratory Information:

National Cancer Institute

Bethesda, MD 20892

Web Site: <http://www.cancer.gov/>

Technology Transfer Web Site: <http://ttc.nci.nih.gov/>

Agency: Dept. of Health and Human Services - NIH

Region: MA

FLC Laboratory Representative:

Ms. Karen Maurey

Director, Technology Transfer Center

6120 Executive Boulevard, EPS-450

Rockville, MD 20852

Phone: 301-496-0477

Fax: 301-402-2117

E-mail: maureyk@mail.nih.gov

Background/History of the Laboratory:

The National Cancer Institute (NCI) is a component of the National Institutes of Health (NIH), one of eight agencies that compose the Public Health Service (PHS) in the Department of Health and Human Services (DHHS). The NCI, established under the National Cancer Act of 1937, is the Federal Government's principal agency for cancer research and training. The National Cancer Act of 1971 broadened the scope and responsibilities of the NCI and created the National Cancer Program. Over the years, legislative amendments have maintained the NCI authorities and responsibilities and added new information dissemination mandates as well as a requirement to assess the incorporation of state-of-the-art cancer treatments into clinical practice.

The National Cancer Institute coordinates the National Cancer Program, which conducts and supports research, training, health information dissemination, and other programs with respect to the cause, diagnosis, prevention, and treatment of cancer, rehabilitation from cancer, and the continuing care of cancer patients and the families of cancer patients.

Mission of the Laboratory:

The National Cancer Institute supports and coordinate research projects conducted by universities, hospitals, research foundations, and businesses throughout this country and abroad through research grants and cooperative agreements; conducts research in its own laboratories and clinics; supports

education and training in fundamental sciences and clinical disciplines for participation in basic and clinical research programs and treatment programs relating to cancer through career awards, training grants, and fellowships; supports research projects in cancer control; supports a national network of cancer centers; collaborates with voluntary organizations and other national and foreign institutions engaged in cancer research and training activities; encourages and coordinates cancer research by industrial concerns where such concerns evidence a particular capability for programmatic research; collects and disseminates information on cancer; supports construction of laboratories, clinics, and related facilities necessary for cancer research through the award of construction grants.

Testing Facilities Available to Private Sector:

Division of Cancer Biology
Division of Cancer Control and Population Sciences
Division of Cancer Epidemiology and Genetics
Division of Cancer Prevention
Division of Cancer Treatment and Diagnosis
Division of Extramural Activities
Center for Cancer Research

Technology Transfer Mechanisms:

Cooperative Research and Development Agreements (CRADAs)
Clinical Trial Agreement (CTA)
Confidential Disclosure Agreement (CDA)
Employee Invention Report (EIR)
Materials Cooperative Research and Development Agreement (Materials CRADA)
Material Transfers
Natural Products Branch-Developmental Therapeutics Program Memorandum of Understanding (MOU)
Small Business Innovation Research (SBIR)
Fellowships

Accomplishments in Technology Transfer:

Some of the NCI's accomplishments in Technology Transfer include: include AIDS test kits, Fludara®, Gardasil®, HIVID®, Kevivance®, Multi-replica blotting kit for proteins, NeuTrexin®, PathVysion® HER-2 DNA probe kit, PhenoSense™ HIV phenotype tests, PixCell® Laser Capture Microdissection system (LCM), Prezista®, soluble IL-2 receptor assays, Squirrel-Free capsaicin-treated birdseed, Taxol®, Velcade®, Videx®, Vitravene® and Zevalin®. More information on NCI success stories can be found at <http://ttc.nci.nih.gov/mission/success.php>

Technology Areas of Expertise:

Cancer Biology
Cancer Cell Biology
Cancer Immunology and Hematology
DNA and Chromosome Aberrations
Cancer Etiology
Integrated Tumor Biology
Mouse Models of Human Cancers
Tumor Biology and Metastasis
Integrated Tumor Biology
Cancer Control and Population Sciences
Analytic Epidemiology
Applied Cancer Screening
Basic and Biobehavioral Research
Behavioral Research
Cancer Statistics
Cancer Surveillance
Clinical and Genetic Epidemiology
Epidemiology and Genetics
Health Communication and Informatics
Health Promotion
Health Services and Economics
Cancer Survivorship
Outcomes Research
Risk Factor Monitoring and Methods
Statistical Research and Applications
Surveillance Research
Tobacco Control and Research
Cancer Prevention
Basic Prevention Science
Biometry
Cancer Biomarkers
Chemopreventive Agent Development
Community Oncology Prevention Trials
Early Detection
Gastrointestinal and Other Cancers
Lung and Upper Aerodigestive Cancer
Nutritional Science
Prostate and Urologic Cancer
Cancer Treatment and Diagnosis
AIDS Cancers
Biochemistry and Pharmacology
Drug Discovery
Biological Modifiers

Cancer and Nutrition
Clinical Oncology
Clinical Trials
Diagnostic Imaging
Diagnostics Research
Imaging Technology Development
Molecular Imaging
Radiotherapy Development
Resources Development
Surgical Oncology
Technology Development/Cancer Diagnosis Program
Cancer Complementary and Alternative Medicine
Cancer Genomics
Cancer Nanotechnology
Clinical Proteomics Technology