OFFICE OF THE DIRECTOR

The Director of the Cancer Research Center is responsible for the administrative direction of the Center, the recruitment of associates and staff, recommendations for staff appointments and promotion through the usual University procedures, space allocations, budgetary planning and control, program review and evaluation, and the development of the Cancer Research Center. In addition to the administrative responsibilities listed above, the Director of the Cancer Research Center also:

- Provides the day-to-day administrative direction of the Center.
- Gives leadership, direction and support to all components of the Center, including overall planning and evaluation functions, centralized services, and project review. Current programs are in Epidemiology, Data Resources, Basic Sciences, Clinical Science and Cancer Control.
- Cooperates closely with cancer-related education programs of the Schools of Public Health and Medicine of the University of Hawaii.
- Assists the respective heads of the Cancer Research Center programs in developing coordinated research and education programs and encourages interdisciplinary approaches to research problems involving more than one program.
- Cooperates closely with on-going research programs in the community, to promote, develop and expand new cancer research activities among individual investigators in the community.
- Develops and maintains cooperative and collaborative relationships with all relevant departments and programs of the University, the Research Corporation of the University and the medical and lay associations and societies in the communities.

- Maintains effective relations with the National Cancer Institute (NCI).

- Seeks funding for the Cancer Research Center programs and projects from other potential sources in addition to the National Cancer Institute.

- Develops and maintains appropriate relationships with other cancer centers in the nation as well as with international programs in cancer.

TECHNICAL ADVISORY COMMITTEE

The Technical Advisory Committee is responsible for the technical review of the Center's programs and advises the Director on policy relevant to the scientific direction of the Center. It provides review of all extramural grants submitted through the Center and is responsible for the technical review of all developmental programs requesting funds in excess of $4,000. In addition, it assists in the planning process and serves as the Center's internal evaluation committee. The Committee is composed of ten members appointed for three-year terms by the University's Director of Research. Members of the committee are appointed by the Director for Research and may be reappointed.

CANCER RESEARCH CENTER BOARD OF ADVISORS

In order to obtain further community liaison, a Cancer Research Center Board of Advisors has been established. This Board is composed
of some 16 to 18 knowledgeable, community-oriented representatives from the professionals of cancer care and prevention (e.g., physicians, dentists, nurses, hospital executives); from cancer oriented volunteer associations such as the American Cancer Society, Hawaii Division; from cancer interested public health sectors; from the University of Hawaii; and from consumers of cancer care and prevention. Members are appointed by the Director for Research.

EXTERNAL ADVISORY COMMITTEE

As a part of the requirement established by the National Cancer Institute for all affiliated Centers, an External Advisory Committee has been appointed. This Committee consists of an expert in each of the program areas of the Center from the Mainland. Its responsibilities are to review the Center's programs relative to the National Cancer Program and to advise the Director on any changes that need to be made to be consistent with the national goals and objectives. Members are appointed by the Director of the Cancer Research Center.

LABORATORY FACILITIES

The Center maintains a variety of shared resources or laboratory facilities that are available to all investigators in or affiliated with the Center. These include:

- Pathogen-Free Animal Quarters
- Human and Animal Tumor Cell Banks
- Biohazard Facility for Carcinogens and Viruses, P-3 category
- Computer Resource and Biostatistical Services
ADMINISTRATIVE SERVICES

Staff services in fiscal and personnel affairs are provided under the direction of the Director:

- Development and control of the budget
- Procurement of services and goods
- Maintenance of all grants and contract accounts for principal investigators
- Support for grant administration
- Liaison with the University of Hawaii and community institutions on all fiscal matters
- Liaison with the Research Corporation of the University of Hawaii (RCUH) on all accounts management for grants and contracts service ordered to the RCUH
- Implementation of personnel policies for University employees
- Preparation of personnel documents
- Maintenance of personnel records
- E.E.O. officer for the Center.

PROGRAMS

BASIC SCIENCES PROGRAM

The major functions of the Basic Sciences Program are to:

- Develop and implement well-defined basic research programs studying the immunology, virology, molecular biology and chemical induction of cancer that are consistent with the stated goals of the National Cancer Act.
- Promote interaction between basic scientists and scientists associated with the Center's Epidemiology and Clinical Science Programs.
- Coordinate basic cancer research programs existing throughout the State, particularly in the areas of environmental carcinogenesis, cancer immunology, and experimental therapeutics.

- Encourage basic scientists with research interests similar or complementary to those of the Center scientists to become formally associated with the Cancer Research Center.

- Develop interdisciplinary programs that take advantage of our strengths and unique capabilities.

- Provide support for the development of new approaches for the study of cancer prior to requests for funding from extramural agencies.

- Provide a forum for interchange of new ideas and new technology.

- Provide centralized resources easily accessible to cancer researchers that would be difficult for individual scientists to acquire and maintain.

**CLINICAL SCIENCE PROGRAM**

The major functions of the Clinical Science Program are to:

- Improve cancer care through the application of clinical research.

- Develop treatment protocols in chemotherapy, immunotherapy, and radiation therapy designed to meet the needs of Hawaii's diverse population.

- Participate in the application of national treatment protocols through the various oncology groups.

- Develop an outreach program for outer island physicians so as to give them access to experimental drugs.

- Provide radiation physics support statewide for radiation therapy.
- Provide treatment planning statewide for radiation therapy.
- Engage in pharmacological studies for cancer chemotherapy drug metabolism.

EPIDEMIOLOGY PROGRAM

The major functions of the Epidemiology Program are:
- To identify etiologic factors in human cancer, through both descriptive and analytic epidemiologic studies.
- To emphasize the unique characteristics of the population of Hawaii, particularly its multi-ethnic composition, as the primary focus for these studies.
- To collaborate with other units of the Cancer Research Center, and with agencies outside the Center, in both research and service activities.
- To provide assistance in the areas of research design and data analysis to other units of the Cancer Research Center.
- To support training of future researchers in the field of cancer epidemiology.
- To explore and refine certain data resources already in existence in Hawaii, particularly the Hawaii Tumor Registry (HTR) and the vital statistics records of the Department of Health (DOH).
- To explore the potential for implementing new data collection mechanisms which could serve as a basis for future studies.
- To conduct baseline descriptive studies that would yield useful data for the present, as well as provide leads for future studies which would explore specific hypotheses.
- To seek extramural funding through peer-reviewed grants and contracts that would enable the Center to initiate prospective cohort
and case-control studies utilizing Hawaii's unique resources in the best possible ways.

DATA RESOURCES PROGRAM

The major functions of the Data Resources Program are:

- To support and coordinate all levels of computer-related activities in the Cancer Research Center.
- To develop and promote utilization of population data sources for cancer research and control.
- To analyze the computer needs of the Center by developing a timetable, identifying personnel and computer time requirements and deriving a cost estimate.
- To serve as a liaison group between the Center's investigators and other computing resources in the community for special applications.
- To develop and maintain generalized programs for data storage, retrieval and analysis.
- To coordinate and supervise the use of temporary programming help within the Center.
- To manage and supervise the use of the computing facility dedicated for cancer research and control activities.
- To provide computer job processing service and schedule shifts for authorized project personnel.
- To provide training and technical assistance to investigators for the use of computing facilities available in the Data Resources Program.
- To identify and acquire existing health-related data sources in Hawaii.
- To organize and link various data sources in the computer for the improvement of information retrieval.

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- To demonstrate the use of relevant information in the population data base for hypothesis testing.
- To promote collaborative efforts in formulating new hypotheses in the etiology of cancer using the population data base for testing.

CANCER CONTROL AND COMMUNITY OUTREACH PROGRAM

The major functions of the Cancer Control and Community Outreach Program are:

- To implement a statewide control program within the administrative structure of the Cancer Research Center with input from the lay and professional community at all levels.

- Establish and maintain an integrated information system in the Center's Data Resources Program to allow for screening follow-up and tracking of patients in a Rehabilitation/Continuing Care (R/CC) Program within our community hospitals.

- To emphasize the continuity of care of the cancer patient from the moment of diagnosis through recovery or death by establishment of Rehabilitation/Continuing Care Teams in the community hospitals, providing (with physician occurrence) both in-hospitals and post-discharge assistance for those target cancer patients desiring these services.

- To implement site-oriented programs for breast, cervix/uterus, colon/rectum, and lung with emphasis on all National Cancer Plan interventions for each site.

- To develop training programs for non-M.D. health professionals to assist in all areas throughout the control program.
- To provide general public and professional information and educational programs on cancer control in Hawaii, as well as specific programs concerning all control interventions planned for the target sites.
- To establish procedures for developing a data base for evaluation and quality control of both the program as a whole and the site-oriented components.
- To initiate discussion and planning for the ultimate integration of successful components of this control program into State, Federal, or third party payment systems.
- To locate concentrations of high-risk, predominantly low-income women and project approximately 27 screening sites to screen a minimum of 10,000 women per year for cervical cancer.
- To adapt and extend existing cancer educational programs in screening in cooperation with the ACS, as well as introduce new programs which will interest and motivate high-risk women to enter the screening process.
- To train non-M.D.'s to participate in all phases of screening for early detection and establish evaluation measures of their performance.
- To develop effective and acceptable referral follow-up arrangements aimed toward the delivery of high-quality diagnostic procedures, therapy and rehabilitation where required.
- To develop data resources compatible with NCI requirements which can be used to evaluate screening programs and to measure the cost effectiveness.
- To establish quality control procedures for screening.