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Tumor Markers

Monoclonal Antibodies

CA 125

- ◆ Clone OC 125 detects glycoprotein with molecular weight > 200kD expressed by most non-mucinous epithelial ovarian carcinomas

CA 19-9

- ◆ Clone I 16-NS-19-9 labels sialylated lacto-N-Fucopentose II, with wide distribution in gastrointestinal malignancies

CA 15-3

- ◆ Clone DF3 detects a portion of a 20 amino acid tandemly repeated sequence present on the core protein of an epithelial cell-associated mucin (MAM-6)
- ◆ Clone I 15D8 labels a differentiation antigen present in breast carcinomas and in some ovarian tumor cells

CA 72.4

- ◆ Clone B72.3 recognizes TAG-72, expressed by a wide variety of adenocarcinomas, and a majority of invasive ductal breast, colon, pancreatic, gastric, lung and ovarian cancers
- ◆ Clone CC49, a second generation TAG-72, reacts with a greater percentage of carcinoma cells in cancers of ovary, breast, lung and gastrointestinal tract

GCDFP-15 (BRST-2)

- ◆ Clone D6 reacts with Gross Cystic Disease Fluid Protein-15, a breast specific glycoprotein expressed by a majority of breast cancers with apocrine features

APO-D

- ◆ Clone 8CD6 reacts with Apolipoprotein-D, an androgen-regulated secreted protein with application in early stage prostate cancer

CD99/Ewing's Sarcoma

- ◆ Clone 013 identifies p30/32^{MIC2}, a cell surface glycoprotein expressed by Ewing Sarcoma, peripheral primitive neuroectodermal tumors, and lymphoblastic lymphomas.

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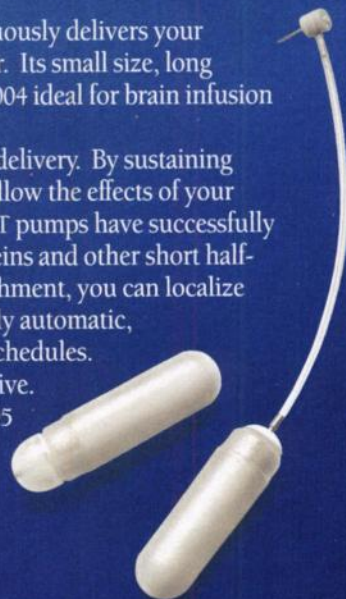
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The Cancer Institute of New Jersey (CINJ) is an academic cancer center located in central New Jersey which serves the state as a resource for cancer research, education and care. The CINJ is a recipient of a National Cancer Institute Planning Grant for the development of a major cancer center. Currently we seek the following:

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Responsibilities: Planning, organizing, leading and evaluating the activities of Clinical Research Office. Ensures protocol compliance and continuity of care for protocol patients; supervises Research Nurses and Clinical Coordinators; evaluates, interprets, and integrates research findings into clinical practice; develops policies and procedures; and monitors budgets.

Qualifications: Bachelor's Degree in Nursing or advanced degree in Bioscientific field associated with clinical research. Master's Degree preferred. Registered Nurse licensure. Three to five years professional research related experience; Oncology background; demonstrated managerial skills necessary.

**RESEARCH NURSE
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Responsibilities: Manages oncology patients involved in clinical trials. Assesses potential subjects for research protocols, communicates objectives of research to subjects, ensures accurate collection of research data, serves as liaison to surgical oncologists, patients and their family and related staff. Takes histories and physicals, supervises protocols and performs data collection.

Qualifications: Graduate of an accredited School of Nursing. Bachelor's Degree in Nursing or equivalent, Master's Degree preferred. Minimum 3 years oncology specific Nursing practice. Experience in oncology research required. NJ Registered Nurse licensure. OCN Certification preferred.

The CINJ offers a comprehensive benefits package. Please submit your resume indicating specific position of interest to:

Ms. Cheryl Aboyme, Human Resources-CROS-RNPT
The Cancer Institute of New Jersey
303 George St., Suite 501, New Brunswick, NJ 08901
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A partnership of The University of Medicine & Dentistry of NJ, UMDNJ-Robert Wood Johnson Medical School, Robert Wood Johnson Univ. Hospital, St. Peter's Medical Center, New Brunswick Affiliated Hospitals and Hackensack University Medical Center.

MOLECULAR AND CELLULAR DIFFERENTIATION

Editors-in-Chief

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Molecular and Cellular Differentiation is a journal concerned with the biochemical, cellular, and molecular changes associated with and controlling differentiation in both normal and tumor cells. Studies utilizing *in vitro* and *in vivo* systems and emphasizing both lower and higher eukaryotic organisms are considered.

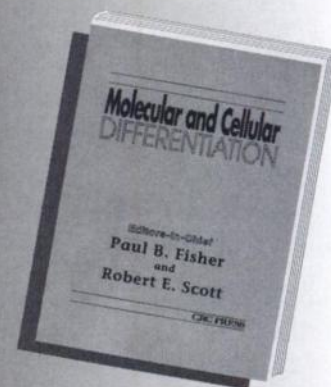
The scope of this journal encompasses a wide range of topics including, but not limited to:

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- The role of differentiation in mediating oncogene and suppressor gene expression
- The role of determination genes in the differentiation process

The journal also considers the biochemical changes associated with differentiation; the relationship between the control of proliferation and differentiation; the role of endogenous and exogenous mediators and inhibitors in differentiation; the relationship between cell shape and cellular and matrix interactions in mediating/inhibiting differentiation; differentiation therapy of cancer; and the role of differentiation in processes such as aging, development, and carcinogenesis.

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Roswell Park Cancer Institute and State University of New York at Buffalo have an immediate opening at the Assistant Professor level as part of the Division of Medicine's Community Outreach Program at Roswell Park Cancer Institute (RPCI). RPCI is one of the largest cancer institutes in the world and one of the nation's 27 National Cancer Institute designated Comprehensive Cancer Centers. The successful candidate will spend 80% of the time in the development of a strong Medical Oncology Community Outreach Program promoting the multidisciplinary diagnosis and treatment of cancer patients and 20% of the time participating in the multidisciplinary clinics which have been developed at RPCI for the management of a broad range of solid tumors including thoracic malignancy, breast cancer, genitourinary malignancy, head and neck cancer, sarcoma/melanoma, esophageal cancer, colorectal malignancy and other upper gastrointestinal cancers.

Research opportunities exist in the Departments of Solid Tumor Oncology/Investigational Therapeutics and include phase 1-111 assessment of new agents and treatment strategies and structured evaluation of combined modality management programs. The successful applicant should be able to provide outpatient services in Medical Oncology and undertake student and graduate teaching and supervision of resident/fellowship activities. Candidates must show evidence of experience in clinical care and teaching, and must be Board Certified in Internal Medicine and Medical Oncology. Must also have the ability to meet Medical Licensure requirements in New York State. RPCI offers a highly competitive salary and comprehensive benefits package. Send curriculum vitae to: **Clara D. Bloomfield, M.D., Chair, Division of Medicine, Roswell Park Cancer Institute, Elm & Carlton Streets, Buffalo, NY 14263.** Roswell Park is an M/F/D/V Affirmative Action Employer.



AMERICAN ASSOCIATION FOR CANCER RESEARCH

The American Association for Cancer Research (AACR) is a professional society of over 11,000 scientists and physicians involved in all aspects of basic, clinical, and translational cancer research. Members of the AACR enjoy

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Deadline for receipt of applications for the annual meeting awards is December 2, 1996.

Applications for special conference awards are due approximately two months before the date of the meeting.

For Further Information:
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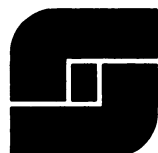
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University of Minnesota Cancer Center and the College of Pharmacy Assistant Professor Chemoprevention Research

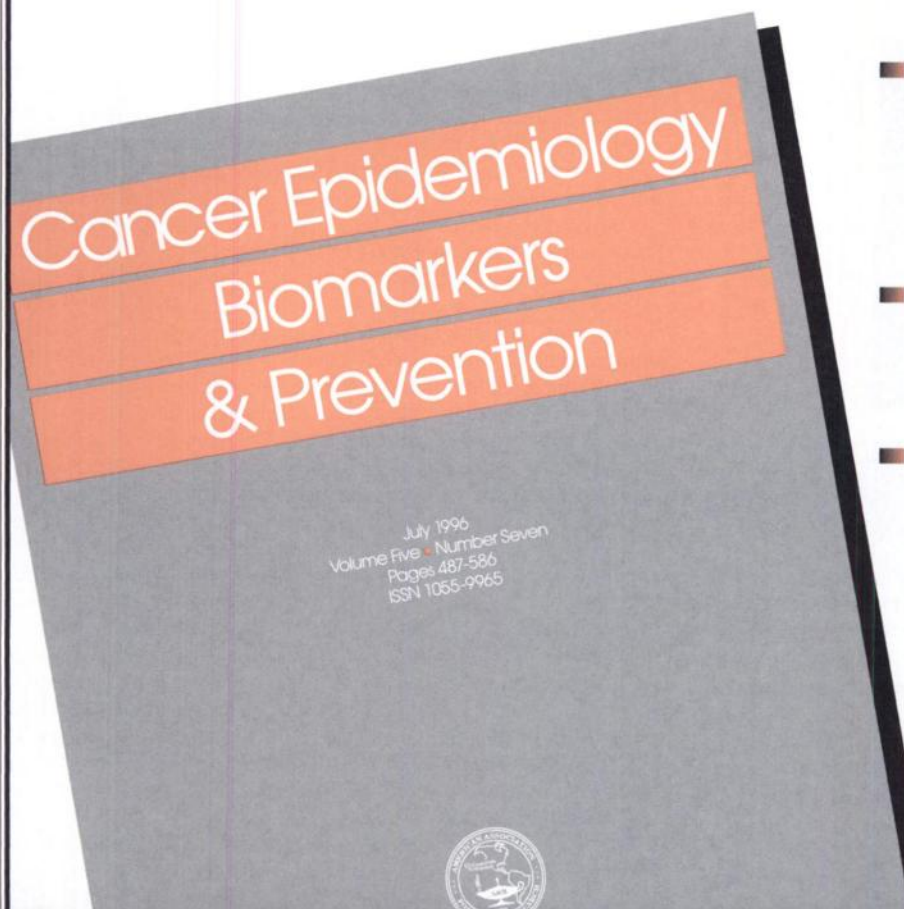
The University of Minnesota Cancer Center and the College of Pharmacy announce a new Assistant Professor fixed term, renewable position in chemoprevention research. The successful applicant will have a doctoral degree and a strong background in bio-organic, organic or medicinal chemistry and minimum three years postdoctoral experience in the field of chemical carcinogenesis. Direct experience in research on mechanistic approaches toward cancer chemoprevention is highly desirable. The applicant will demonstrate the potential to develop an independently funded research program focusing on approaches to the chemoprevention of cancer. This research program will involve the development of agents, either naturally occurring or synthetic, which can inhibit the carcinogenic process by focusing on compounds that either interfere with carcinogen activation or enhance detoxification or that suppress tumor development or work by other mechanisms. Additionally, the research program will explore mechanisms by which chemopreventive agents act and will use this information to improve the agents and to aid in selecting specific populations in which they are effective. The applicant will also demonstrate a strong commitment toward teaching and graduate student development. It is expected that within 3 years the successful candidate will generate a portion of his/her salary.

Individuals interested in this position should submit a curriculum vitae, a summary of long term research goals and the names and addresses of three references to Dr. Stephen Hecht, Chair, Search Committee, University of Minnesota Cancer Center, Box 806 UMHC, 420 Delaware Street SE, Minneapolis, MN 55455-0392, ATTN: Cindy Prange. The last date for receipt of applications is **January 15, 1997**.

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