Center for Cancer Genetic Epidemiology

Dr. Mark H. Skolnick/University of Utah/SLC, Utah

Established as a center in 1991. The development of recombinant DNA technology allows researchers the opportunity to diagnose, treat and eventually prevent human genetic disorders. Center staff members are utilizing DNA based diagnostics to determine if a patient has a predisposition to certain genetic forms of cancer. Isolating defective genes and other precursors increases the likelihood of detecting tumors at treatable stages. Genetic research at this center is focused on four of the most common cancers: breast, colon, prostate and melanoma.

Overview

Current State Contract $100,000

FY92 Matching Funds $2,129,646
Cumulative $10,063,658

Total Jobs Created 38
Industry 10
Center 28

Direct Center Spin-off 1

Total Benefiting Utah Companies 1

License Agreements 1

Patents Applied 1

Patents Issued 0

Technologies

*Genetic Analysis

*Gene Localization

*Gene Discovery

*Gene Diagnostics

*Gene Therapies

Status

*Mapping the 17q breast cancer gene and pursuing gene isolation of this locus.

*Gathering prostate CA families.

*Preparing for linkage studies of breast, colon, prostate and melanoma cancers.

Economic Impact

*New relationship with Memorial Sloan Kettering Cancer Center in New York.

*New spinoff company: Helix Technologies

*Disposable kit planned to determine genetic predisposition of patient for breast cancer

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