**... In the News**

TV10/55

[New therapeutic strategy for liver cancer](#)
March 25, 2011

Science

[Brothers in Arms Against Cancer](#)
March 25, 2011

Newsday

[State Senate OKs LI business incubator](#)
March 23, 2011

MyLITV.COM/FIOS1

[Partners for the Future program on FIOS1](#) March 16, 2011

AARP/Newsday

[CSH Lab IDs Liver Cancer Gene, Eyes Cure](#)
March 15, 2011

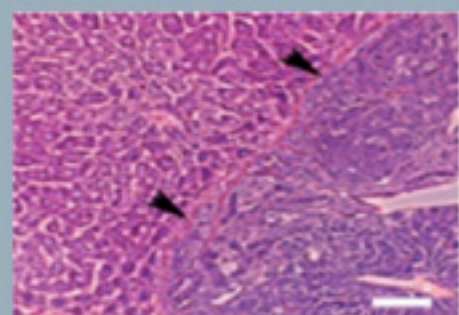
GenomeWeb

[Single Cell Sequencing Offers Peek into Breast Tumor Evolution](#)
March 14, 2011

Seeking Alpha

[Antisense Oligonucleotide Helps Severe Spinal Muscular Atrophy](#)
March 13, 2011**... Upcoming Events**DNA Learning Center
Summer Camps
[Register here!](#)4/9/11
[Labapalooza!](#)4/15/11
Concert: [Two Plus One](#)4/16/11
National DNA Day
[Scavenger Hunt](#)4/29/11
Concert: [Jennifer Johnson](#)6/4/11
Don Monti Memorial
Research Foundation
[5k Faith, Hope & Love Walk](#)6/7/11
Cold Spring Harbor
Laboratory's
[18th Annual Golf Tournament](#)**Therapeutic target for liver cancer identified**

A research collaboration led by **Dr. Scott Powers**, Director of the Human Cancer Genome Center at CSHL, has identified a strategy for targeted molecular therapy in liver cancer, for which there are currently few treatment options. According to the team's paper in *Cancer Cell*, more than 15% of liver tumors are driven by the hyperactivity of a gene called *FGF19*. The gene triggers liver cancer when it exists in multiple copies, well in excess of the normal two per cell.



Black arrows show border between normal liver and cancer tissue

By shutting down the gene's activity with a therapeutic antibody developed by California-based Genentech, the researchers were able to shrink liver tumors in mice. The antibody works only against cells that have multiple copies of *FGF19*. So the scientists hope to use *FGF19* amplification as a predictive biomarker of response in people. They are currently pursuing this idea with Dr. Richard Finn, who oversees the largest liver cancer clinic in the US at the University of California, Los Angeles.

New method reveals how breast tumors evolve and spread

A team led by CSHL's [Dr. Mike Wigler](#) has devised a [new method](#) to sequence DNA from individual cells from a cancerous tumor. By examining DNA changes in a small sampling of cells from tumor tissues of two breast cancer patients, the scientists have learned how the cancers evolved and spread. Their work, [published in Nature](#), may help in the development of new methods to clinically evaluate tumors and find ways to overcome treatment resistance.

CSHL President in Dubai to promote education without borders

[Dr. Bruce Stillman](#), President of CSHL, mentored students alongside former British Prime Minister Tony Blair and other world leaders in the business, technology, education and humanitarian sector at [Education Without Borders](#), a biennial international student conference, held this March in Dubai, in the United Arab Emirates. Dr. Stillman's participation embodies his commitment to supporting global education and developing future leaders in the sciences.

Students to use DNA barcoding to explore NYC biodiversity

This month, CSHL's [DNA Learning Center](#) launched an exciting science competition called the Urban Barcode Project for high school students in the five boroughs of NYC. The project calls for students to develop research projects in which they will use DNA barcoding -- a means of labeling living things by their DNA sequences -- to explore biodiversity in NYC's natural environment, and also within the urban environment in such settings as food markets, where the technique can be used to identify exotic or endangered food products. The [project's website](#) has all the details.

**The Social Laboratory**

There are now more ways than ever to get and share news about CSHL's research, people and campus events. In addition to staying in touch via our website, you can follow us on [Twitter](#), find us on [Facebook](#), or catch up with us at [Lab Dish](#), our new news blog! Current posts describe a career boot camp for new faculty, a close-up of CSHL's Partners for the Future program and two of CSHL's recent collaborative research efforts. We hope you'll visit often -- and we look forward to your comments on our posts.



Find us on Facebook

Make A Gift

... Stay Connected

Founded in 1890, Cold Spring Harbor Laboratory (CSHL) has shaped contemporary biomedical research and education with programs in cancer, neuroscience, plant biology and quantitative biology. CSHL is ranked number one in the world by Thomson Reuters for impact of its research in molecular biology and genetics. The Laboratory has been home to eight Nobel Prize winners. Today, CSHL's multidisciplinary scientific community is more than 400 scientists strong and its Meetings & Courses program hosts more than 8,000 scientists from around the world each year. The Laboratory's education arm also includes a graduate school and programs for undergraduates as well as middle and high school students and teachers. CSHL is a private, not-for-profit institution on the north shore of Long Island.