



CSHL in the News

Newsday
[Lab DNA Panel Features James Watson](#)
 February 28, 2013

Newsday
[60th DNA Anniversary Celebrated at Cold Spring Harbor Lab](#)
 February 28, 2013

National Geographic
[Romania's Science Problem: A Tale of Two Florins \(Part 2\)](#)
 February 27, 2013

Dark Daily
[Personalized Medicine Experts Call on Pathology Profession to Create a New Breed of Pathologist](#)
 February 25, 2013

Wired
[DNA Crunchers Ditch Hadoop for Homegrown Software](#)
 February 20, 2013

"In Quotes"

Jan Witkowski quoted in **Huffington Post**
[Francis Crick's Nobel Prize Medal For Sale 60 Years After Englishman's Co-Discovery Of DNA Structure](#)
 February 26, 2013

Professor Partha Mitra quoted in **Science**
[Brain Project Draws Presidential Interest](#)
 February 20, 2013

Assistant Professor Michael Schatz quoted in **Nature**
[Gene Sequencing Leaves the Laboratory](#)
 February 19, 2013

Assistant Professor Michael Schatz quoted in **The New York Times**
[Genomic Analysis, the Office Edition](#)
 February 2, 2013

Upcoming Events

[Joni Gladowsky Breast Cancer Foundation - Second Annual Winter Classic](#)
 Friday March 8

[CSHL Open House](#)
 Saturday, March 23

[Walking Tour](#)
 Saturday April 6

[DNA Day Scavenger Hunt on Main Street](#)
 Saturday April 20

[Walking Tour](#)
 Sunday April 21

[2013 DNALC Summer Camps](#)
 Registration Now Open

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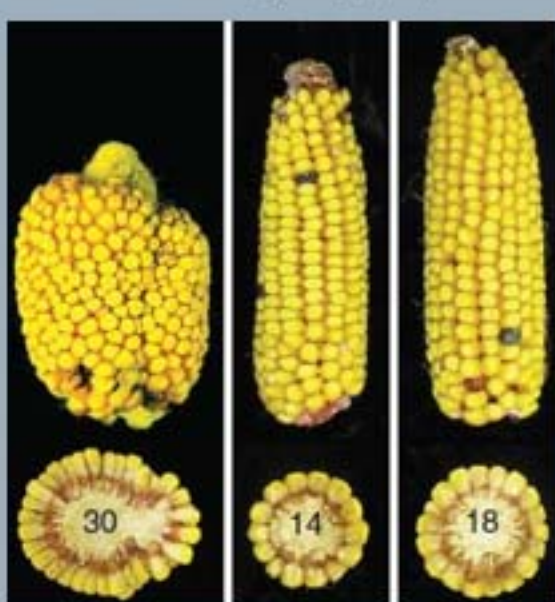
Harbor Transcript iPad app



Available Now!

More kernels and more rows means more maize for a hungry planet

Over a decade ago, not long after cloning a gene in the maize (i.e., corn) plant called *FASCIATED EAR2 (FEA2)*, David Jackson, now a CSHL Professor, had a group of gifted Long Island high school students perform an analysis of literally thousands of corn ears. These young people were participants in the Laboratory's **Partners for the Future** program. Their task was to meticulously count the number of rows of kernels on each ear. It was part of a research project that won the youths national honors in the Intel Science competition. Jackson, meantime, gained important data that now has come to full fruition.



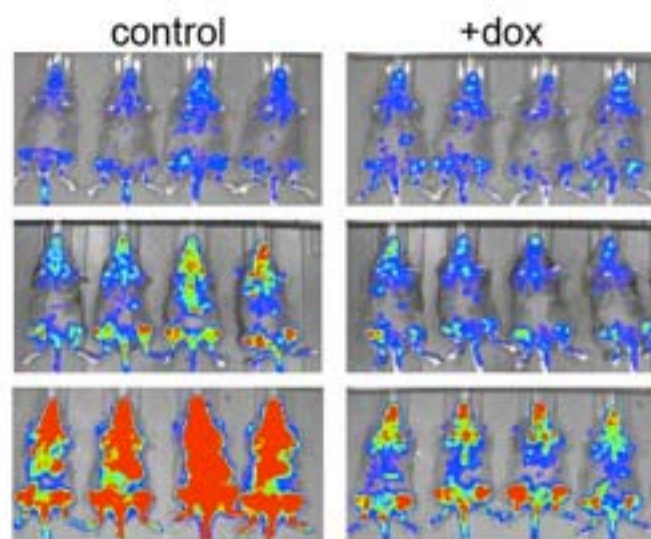
In a **paper** published in *Nature Genetics*, Jackson and colleagues have shown that by producing a weaker-than-normal version of the *FEA2* gene -- one whose protein is mutated but still partly functional -- it is possible to increase the size of a stem-cell reservoir called the meristem, and in so doing, get a maize plant to produce ears with more rows and more kernels. It's a finding likely to be of interest to plant scientists at **Dupont Pioneer**, who collaborate with CSHL scientists on technologies to help boost the yield and range of the key food and grain crops that feed our increasingly populous, and hungry, planet.

New strategy to fight leukemia identified

In the battle to combat Acute Myeloid Leukemia (AML) the laboratory of Assistant Professor **Chris Vakoc** has been concentrating on looking at the proteins involved in regulating how DNA is packaged in the cell nucleus. In a **paper** published this month in PNAS they homed in a protein called RNF20.

RNF20 is one in a class of proteins that adds molecular "tags," called ubiquitin, to the proteins DNA is wrapped around. Adding and removing such tags is one of many ways to control which genes are switched 'ON' or 'OFF.'

By preventing the expression of RNF20, Vakoc and colleagues saw that leukemia cells reverted in developmental terms, to a state in which they were more like normal blood cells. Using this technique to decrease leukemia cell proliferation in mice had the effect of extending their lifespan. Controlling leukemia-cell gene expression by targeting RNF20 or other like proteins could lead to a new strategy for treating this devastating disease.



Apple TV commercial features DNALC's 3D Brain app

Did you see Apple's new commercial when it aired during the Oscars? If so you probably caught glimpse of the DNA Learning Center's 3D Brain app. It's one of the most downloaded in its category.



You can watch the commercial **here**. Pay close attention at the 13-second mark!

Elisabeth R. Woods Foundation supports CSHL lung cancer research

In just its first year, the **Elisabeth R. Woods Foundation** has raised **\$27,000** to support lung cancer research in the CSHL laboratory of **Dr. Raffaella Sordella**.

The Foundation was established in honor of Elisabeth Woods, wife of long-time CSHL Association member and current director, James A. Woods. Elisabeth died in 2000 after a battle with non-small cell lung cancer.



DNA 'on tap' at the CSHL Open House

We at CSHL want you to know more about the Laboratory and benefit from the many public programs we offer. To this end, on behalf of our Board of Trustees, faculty, students and employees, we invite all members of the local community to our campus for a community **Open House** on March 23, 2013 between 1 and 4 pm in Grace Auditorium.



Look forward to a casual and family-friendly event (stop by for 15 minutes or visit for an hour - we welcome you!), meet our scientists and find out what kind of research goes on at CSHL, get a taste of the educational opportunities we offer to middle-school through the doctoral level and beyond, come on a tour, and learn how to get involved! **RSVP here** or call us at 516-367-8455.

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 its impact in molecular biology and genetics. The Laboratory has hosted to eight Nobel Prize winners. Today, CSHL's multidisciplinary scientific community is more than 360 scientists strong and its Meetings & Courses program hosts more than 12,500 scientists from around the world each year. Tens of thousands more benefit from the research, reviews, and ideas published in journals and books distributed internationally by CSHL Press. 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.

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