



CSHL in the News

New York Times
DNA sequencing caught in deluge of data
November 30, 2011

BusinessWeek
Roche enters race to cure genetic disease with \$490 million deal
November 29, 2011

Science
Does a gene's location in the cell matter?
November 25, 2011

Genomeweb
CSHL team publishes new details on heterochromatin assembly, gene silencing in yeast
November 17, 2011

CNN - American morning
Kareem Abdul-Jabbar on his cancer, Double-Helix medal
November 17, 2011

Newsday
Laboratory honors NBA icon, researchers
November 15, 2011

Newsday
Docs tout new road map for cancer treatment
November 3, 2011

Science Business Exchange
Peripheral therapy for SMA
November 3, 2011

Newsday
Genetics research hub includes 3 LI groups
November 2, 2011

Nature Medicine
New mouse models of autism highlight need for standardized tests
November 2, 2011

Upcoming Events

11/29 - 12/03
Scotto Brothers and Cold Spring Harbor Laboratory - Insignia Steak and Sushi Grand Opening Charity Event

12/07/11
Holiday Shopping at Marshs to benefit CSHL

12/11/11
Long Island Open and Scholastic Chess Tournament at Cold Spring Harbor Laboratory

2011 Annual Appeal
Science Never Sleeps

1/13/12
The Christina Renna Foundation - An Angel's Wish Gala Dance

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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 350 scientists strong and its Meetings & Courses program hosts more than 11,000 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.

Stars of science and sports awarded Double Helix Medals

Since 2006, CSHL has awarded the Double Helix Medal each year to individuals who have worked tirelessly to raise awareness and support for biomedical research. Who received the Medal this year?

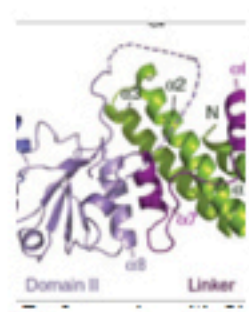
- a. A Nobel Prize-winning scientist who has led and shaped many of the nation's foremost research institutions
b. An NBA icon and cancer survivor who is a determined advocate for bringing attention and funds to leukemia research
c. An animal behaviorist, professor and best-selling author with high-functioning autism who made Time magazine's 2010 list of most influential people.



Harold Varmus, Kareem Abdul-Jabbar, Temple Grandin

Answer: All of the above. On November 15, CSHL awarded Double Helix Medals to Harold Varmus, Kareem Abdul-Jabbar and Temple Grandin at a gala in New York City that was attended by 500 passionate supporters and friends of CSHL. Their generosity helped raise more than \$3 million, which will be used to support CSHL's research and education programs.

Protein complex's structure explains its role in gene silencing



Some regions of a cell's DNA are super-compacted into a structure called heterochromatin, which keeps the genes in those regions in an inactive or "silenced" state. Heterochromatin

assembly depends in part on a protein complex called RITS. By defining the molecular structures of the individual proteins in this complex, Professor and HHMI Investigator Leemor Joshua-Tor and her group have discovered how RITS helps silence genes. Their paper appears in Nature Structural and Molecular Biology.

Splicing circuitry behind cancer's Warburg effect uncovered



The Warburg effect is a phenomenon that allows cancer cells to maintain their out-of-control lifestyle of fast proliferation. In a recently published study, Prof. Adrian Krainer's team

described details of the circuitry of an alternative splicing mechanism that helps produce the enzyme that drives the Warburg effect. This information will help in finding ways to redirect splicing to force cancer cells to stop producing this dangerous enzyme and preferentially produce its harmless counterpart instead.

CSHL helps launch the New York Genome Center



CSHL joined 10 other research institutions to establish the New York Genome Center, which launched in NYC on November 5. The nonprofit center, which is slated to

open in the spring of 2012, will focus on sequencing and bioinformatics for research as well as for clinical projects. The Center will also offer educational and training programs in genomics, in which CSHL is expected to play a leading role.

Latest issue of Harbor Transcript now online



With new technologies and fresh approaches to tackle cancer, researchers at CSHL are leading efforts to rapidly transform basic discoveries into targeted therapies that address the disease's

genetic and epigenetic diversity. The latest HT issue offers snapshots of these efforts against a dozen different cancers. Other stories include a profile of chromosome engineer Alea Mills, a peek into the DNALC's Urban Barcode Project, and the latest achievements of CSHL faculty.

NEW video: CSHL Public Lecture: Music - how it can rewire your brain

NEW LabDish post: To celebrate 40th anniversary, the Protein Data Bank returns to its birthplace