



### CSHL in the News

#### The Scientist

[The year in science publishing](#)

December 30, 2013

#### Food Product Design

[Genetic modification increases tomato plant yield](#)

December 27, 2013

#### Times Topics: The New York Times

[Genetically modified food](#)

December 25, 2013

#### PRNewswire

[Reps. Israel & Fattah announce international partnership in neuroscience research, including Alzheimer's Disease](#)

December 16, 2013

#### LIBN.com

[Movers & Shakers - Nonprofit section](#)

December 13, 2013

#### Newsday

[Long Island wins \\$83m in state business aid](#)

December 11, 2013

#### The Wall Street Journal

[Millions given to N.Y. projects](#)

December 11, 2013

#### CapitalNewYork.com

[Cuomo gives out \\$715 million in economic development awards](#)

December 11, 2013

#### Yahoo! Finance

[Dr. Cori Bargmann, Jeffrey E. Kelter and Thomas A. Saunders III elected CSHL Trustees](#)

December 4, 2013



CSHL wins top performance awards for our electronic newsletter

### In Quotes...

Professor David Tuveson in

[RedOrbit.com](#)

[Genetic link associated with one percent of all cancerous tumors discovered](#)

December 9, 2013

Professor Gholsion Lyon in [Genetic Engineering & Biotechnology News](#)

[Genomic Healthcare Solutions](#)

December 1, 2013

### Upcoming Events

[The Christina Renna Foundation - An Angel's Wish Gala Dance](#)

January 17, 2014

[The Cold Spring Harbor Laboratory Association annual meeting](#)

Thursday, January 23, 2014

The meeting is for CSHLA members only, and will feature a talk by CSHL Professors W. Richard McCombie, Ph.D. and David Stewart, Ph.D., "Cold Spring Harbor - The Crossroads of Genome Science"

If you are interested in joining the Association, this is a great opportunity! Please click [here](#) for more information.

[Perform hands-on experiments and learn about techniques and developments in science at Saturday DNA! Open to children, teens and adults. Reservations required.](#)

January - March

### CSHL Annual Report



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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 600 researchers and technicians strong and its Meetings & Courses program hosts more than 12,000 scientists from around the world each year to its Long Island campus and its China center. 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 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. For more information, visit [www.cshl.edu](http://www.cshl.edu).

### New path to higher tomato yields

Each season, home gardeners and commercial growers alike look for the latest way to a big harvest. Clever breeding has led to some increases. For instance, growers can exploit a phenomenon known as hybrid vigor to boost yield. First identified in 1908 here at CSHL, hybrid vigor occurs when genetically inferior parents are bred to generate superior offspring. It has been exploited for decades, but little is known about how and why it works.



Associate Professor **Zach Lippman** has found that a particular type of hybrid vigor, involving the mutation of a single gene, dramatically boosts tomato production. In a paper just published in *PLoS Genetics*, his team explains how in the tomato plant this one mutation, in a gene that encodes the flowering hormone florigen, causes fruit production to nearly double. As he explains in comments widely reported on the web, "These discoveries lead to an exciting prediction: that it may be possible to tweak florigen levels to increase yields even further, in tomato and likely in many other flowering plants, too." [Read more.](#)

### LI wins big in awards from Governor; \$2 million for CSHL

On December 11, New York Governor Andrew Cuomo **announced** the third round of awards in the Regional Economic Development Council (REDC) Initiative. A cornerstone of the Governor's job creation program, the initiative is a community-based approach to economic development, bringing together local leaders in government, business, and academia to help choose projects that will stimulate the economy. Long Island was a top regional performer, with \$83 million awarded, and CSHL was among the recipients, granted \$2 million in support of the Therapeutics Discovery Initiative, which will accelerate translational research at the lab. [Read more.](#)



courtesy: CapitalNewYork.com

### Mitra and Kepecs recognized for research excellence

Professor **Partha Mitra** has been honored with two awards: an **INSPIRE grant** by the National Science Foundation, and the **George S. Axelby Outstanding Paper Award** of the Control Systems Society of the Institute of Electrical and Electronics Engineers. Both recognize Mitra's interdisciplinary approach to neurobiology, using insights from physics and engineering to better understand how brain circuitry works. Associate Professor **Adam Kepecs** has received the 2014 Memory and Cognitive Disorders Award from **The McKnight Endowment Fund for Neuroscience** for his work on an area of the brain - the nucleus basalis - that is important in memory, cognition, and neurodegenerative diseases. [Read more about the awards for Dr. Mitra and Dr. Kepecs.](#)



left: Prof. Partha Mitra, right: Assoc. Prof. Adam Kepecs

### The Board of Trustees has 3 new members

**Dr. Cori Bargmann, Jeffrey Kelter, and Thomas Saunders III** have been elected to the **CSHL Board of Trustees**. Dr. Bargmann is a Howard Hughes Medical Institute Investigator and Professor at Rockefeller University and is co-chair of the NIH BRAIN Initiative. Mr. Kelter is the founder and CEO of KTR Capital Partners, a private equity firm that deals with real estate acquisitions, finance, and asset management. Mr. Saunders is serving his second term on the Board, having served from 1992-1998. He is President of Ivor & Co., LLC, a private investment firm, and he has previously worked as a Managing Director at Morgan Stanley. [Read more.](#)



### The latest Harbor Transcript is here!

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