Secret of the mysterious beefsteak tomato is revealed

They are freaks of nature — giant, juicy tomatoes often weighing in at over a pound — that are the pride of gardeners all over America. New research presented at the Nature Genetics by Associate Professor Lippman and colleagues now reveals where the missing fructose comes from, in genomic terms. The team identified an abnormal proliferation of stem cells caused by a naturally occurring mutation that arose hundreds of years ago in a gene called CLAVATA3. Selection for this rare mutant by plant cultivators is the reason we have beefsteaks today.

The discovery that explains the origins of the beefsteak tomato is something vital about how broader can fine-tune fruit in potentially any fruit-bearing crop. Read all about it.

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You’re invited! CSHL’s 125th Anniversary Open House

This Saturday, June 6th!

From 11am to 4pm CSHL will hold its second Open House — this one marking the Lab’s 125th Anniversary. Bring your friends and family! Come to see our special exhibits, take a campus tour, see our special exhibits, talk to science talk and more! The curious all ages. 5-minute science talks feature CSHL researchers Chris Vakoc, Nikoleta Egbledj and Steve Shea, plus Techn Transfer chief Teri Willey, who will explain how our discoveries move from lab bench to patient’s bedside!

Saturday, June 6, 2015 - 11am-4pm - RSVP HERE

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A CRISPR approach to cancer

It has been much in the news over the last year. A method called CRISPR enables biologists to manipulate the genetic material of cells with unprecedented precision and ease. A letter by DNA editor Assistant Professor Chris Vakoc, Jumel Shi and colleagues reported in Nature Biotechnology that they’ve figured out how to use CRISPR to generate a cancer cell line that produces their lab and so many others worldwide: finding binding pockets inside cancer cells that when blocked prevent the cells from proliferating and cause them to die. It’s a big step forward in cancer drug discovery. Read more.

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Powering the Long Island economy

The Laboratory’s direct and indirect impact on the Long Island and NY State economies are highlighted in a report released in May. Shaping Long Island’s Bioeconomy: The Economic Impact of CSHL shines a light on an enterprise that directly employs 1100, indirectly accounts for over 600 additional jobs, and annually brings in more than $400 million in revenue to Long Island from Federal grants, private philanthropy, an array of scientific educational programs, and commercialization of technologies. Read more.

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Upcoming Events

125th Anniversary Open House
Saturday, June 6

LGI Day with Cold Spring Harbor Cancer Congress in New York, Saturday, June 13

2015 Annual Golf Tournament
Tuesday, June 16

125th Anniversary Celebration of Science & Society Lecture
Breaking out Cancer – Cr. Michael Dierker
Wednesday, June 17

125th Anniversary Events
Open House, Concerts, Lectures, Celebrations
Save The Date:
125th Arnold/Barreti Partnership for Science
Sunday, September 20

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Stay Connected

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Celebrating its 125th anniversary in 2015, Cold Spring Harbor Laboratory (CSHL) has shaped contemporary biomedical research and education with programs in cancer, neuroscience, plant biology and quantitative biology. Roots of Nobel Prize winners, the private, not-for-profit Laboratory is home to 800 researchers and technicians strong. The Meetings & Courses Program hosts more than 12,000 visitors from around the world each year on its campuses in Cold Spring and in Bushwh, Ohio. The Laboratory’s education arm also includes an academic publishing house, graduate programs for middle and high school students and teachers. For more information, visit www.cshl.edu.