Cold Spring Harbor Laboratory
2011 NetLetter

:: CSHL in the News

Science
Meeting briefs: The biology of genomes
May 27, 2011

Nature
Cells may stray from "central dogma"
May 19, 2011

Nature
Beyond science: My brain made me do it
May 19, 2011

ibm.com
Aimingpute focus on lab mice
May 19, 2011

Forbes.com
DNA sequencing: Reading Moore's Law since January 2008
May 13, 2011

Nature
Missing the honey bee genome
May 10, 2011

Newday
$241 in venture capital for U company
May 3, 2011

:: Upcoming Events

DNA Learning Center
Summer Camps
Register here!

6/6/11
Don Mont Memorial Research Foundation
St. Faith, Hope & Love Walk

6/7/11
Vita DNA Learning Center's Urban Barcode Project at The World Science Festival Street Fair

6/11/11
Cold Spring Harbor Laboratory's 18th Annual Golf Tournament

6/11 - 6/12
The Long Island 2 Day Walk to Fight Breast Cancer

6/22/11
Public Lecture: New Approaches to Treatment of Depression and Bipolar Disorder

7/14/11
Ludwig Breast Cancer Foundation
Seventh Annual Play for the Cure Golf Outing

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Founded in 1939, 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 6,000 scientists from around the world each year. Free 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.

The aging brain's stem cell slump

With age, it's not just that your looks seem to fade and your strength and mental acuity decline. The brain's stockpiles of adult stem cells shrinks, too, according to the latest study by CSHL neuroscientist Grigorii Enikolopov and his team.

Published in Cell Stem Cell, their research shows that this shrinkage is the reason why aging brains produce fewer and fewer neurons, in turn leading to age-related decline in cognitive ability.

Watson School commencement honors global leaders

This year’s graduates, Amy Rappaport and Claudio Sc cordio, fulfilled the requirements of a rigorous curriculum, earning their Ph.D.s from CSHL’s Waksman School of Biological Sciences in its target timeline of 4.5 years. But what does it take to earn an honorary degree from the School? One of this year’s two honorees, Dr. James Lipton, began his science career in CSHL's Undergraduate Research Program and went on to define the concept of genomic disorders. The second honoree, Dr. James Moore, is a Nobel Prize-winning mathematician who founded a highly successful investment firm and the Simons Foundation -- a for-research-phantactic organization that funds, among other things, much of the autism research at CSHL.

Habor Transcript: "Wired for Smell" and more...

- How the brain is wired to interpret odors
- Using the brain's junction box to treat depression
- Picturing a key process in lung cancer metastasis

The stories in the latest issue of the Harbor Transcript explore these ongoing projects at CSHL. The issue also profiles CSHL's "sequence-in-chief" captures highlights of recent CSHL events including this year’s Watson School commencement and monthly news.

On cancer

Eight days after CSHL Trustee Charlie Harris found out he had stage IV colon cancer, he began writing a blog, which eventually became a book published by CSHL Press. Our latest Lab Dish blog post describes CSHL's unusual book party and its remarkable author who confronted his fate with an unflinching log of how, "made of illusion, (he) reacted to, and thought about, living with incurable cancer." Also, see the National Cancer Research Month Blog post that highlights some of CSHL's cancer-related discoveries in the last 12 months.

Popular genomics

May was "genome month" at CSHL. More than 550 genome scientists were on campus for the Honey Bee Genomics and Biology meeting, plus a majority for the ever-popular Biology of Genomes meeting. Notes from this year's annual conference by readers of Genome Technology magazine, this meeting has become, as one attendee pointed on Twitter, "harder to get into than a L2 concert" (ibid2011 on Twitter). More meeting coverage here, here and here.