**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

[Neuroscience: My brain made me do it](#)
May 19, 2011

libn.com

[Mirimus puts focus on lab mice](#)
May 19, 2011

Forbes.com

[DNA Sequencing: Beating Moore's Law since January 2008](#)
May 13, 2011

Nature

[Mining the honey bee genome](#)
May 10, 2011

Newsday

[\\$2M in venture capital for LI company](#)
May 3, 2011

Upcoming Events

DNA Learning Center
Summer Camps
[Register here!](#)

6/4/11
Don Monti Memorial
Research Foundation
[5k Faith, Hope & Love Walk](#)

6/5/11
Visit DNA Learning Center's
[Urban Barcode Project](#) at
[The World Science Festival Street Fair](#)

6/7/11
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](#)

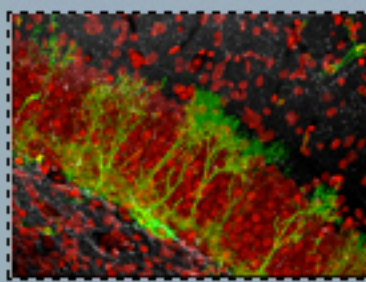
7/14/11
Joni Gladowsky Breast Cancer
Foundation
[Seventh Annual Play for the Cure Golf Outing](#)

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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 400 scientists strong and its Meetings & Courses program hosts more than 8,000 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.

The aging brain's stem cell slump

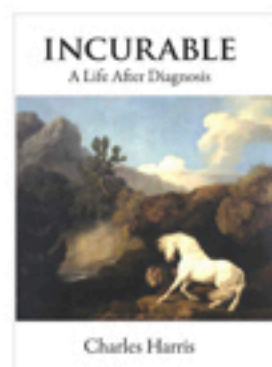
With age, the number of adult brain stem cells (green) declines.

With age, it's not just that your looks seem to fade and your strength and mental acuity decline. The brain's stockpile of adult stem cells shrinks, too, according to the [latest study](#) by CSHL neuroscientist Grigori 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.

The team's experiments in mice suggest that unlike stem cells in the blood or gut that self-renew many times during an animal's lifespan, adult brain stem cells are "disposable." After they're activated, they divide a few times giving rise to neurons but then abandon their "stemness" and convert into non-neural helper cells called astrocytes. Taking this "use it *and* lose it" pattern into consideration, the scientists' next step is to look for ways to spur neuronal growth without harming the adult stem cell cache.

Watson School commencement honors global leaders

This year's graduates Amy Rappaport and Claudio Scuoippo fulfilled the requirements of a rigorous curriculum, earning their Ph.D.s from CSHL's Watson School of Biological Sciences in its target timetable 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 Lupski](#), began his science career in CSHL's Undergraduate Research Program and went on to define the concept of genomic disorders. He was the first to use a patient's DNA sequence to identify that individual's disease-causing gene. The second honoree, [Dr. James Simons](#), is a Veblen Prize-winning mathematician who founded a highly successful investment firm and the [Simons Foundation](#) -- a far-reaching philanthropic organization that funds, among other things, much of the autism research at CSHL.

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 *Incurable's* unusual book party and its remarkable author who confronted his misfortune with an unflinching log of how, "naked 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.

Harbor 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 "sequencer-in-chief," captures highlights of recent CSHL events including this year's Watson School commencement and faculty news.

Popular genomics

May was "genome month" at CSHL. More than 550 genome scientists arrived on campus, many for the [Honey Bee Genomics and Biology](#) meeting, but a majority for the ever-popular [Biology of Genomes](#) meeting. Rated as the [top annual conference](#) by readers of *Genome Technology* magazine, this meeting has become, as one attendee marveled on Twitter, "harder to get into than a U2 concert" (#bg2011 on Twitter). More meeting coverage [here](#), [here](#) and [here](#).

