In cancer, one wrong makes a right?

The idea that the wrong number of chromosomes can give rise to cancer dates back over a century. We know now that most cancers do indeed have an abnormal number of chromosomes—yet evidence from Jason Sheltzer's lab suggests that cells on their way to becoming cancerous are less harmful if they have a single extra chromosome.

More

Reversing Rett syndrome's impairment of adult learning

Learning impairment is a deeply disabling component of Rett syndrome, a neurodevelopmental disorder seen almost exclusively in females. As a result, adult female mice modeling the disorder don't show how to properly care for their pups. Now, experiments from Stephen Shea's lab show that it's possible to reverse the learning deficit in adult female mice.

More

A bank for cancer research

Scientists have been saying for years that they could learn a lot more about cancer if they had better access to samples and data from patients under treatment. A new cancer research "biobank," created by Northwestern in collaboration with the company Indivoped, is a step in that direction and one that will greatly benefit cancer research at CSHL.

More

Further reading

* CSHL joins NCI-designated cancer centers in endorsing updated HPV vaccination recommendations
* Plus-sized fly could boost research at treating hereditary obesity
* Austin's purpose raises $18,000 for cold spring harbor laboratory neuroscience

From the Lab Dish blog

Now available for binge-listening: Season 1 of Base Pairs

Upcoming events

- Feb 4, 16, 21 & 23 DNA learning center: Genes in action lab
- March 1 cocktails & chromosomes: Plant scientist Rob Martienssen on biostars

In quotes

Professor Rob Martin in Biospace: Biospace: Science, crop diseases, and GMO controversy

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You can help make a difference

Celebrating its 125th anniversary in 2015, Cold Spring Harbor Laboratory (CSHL) has shared contemporary biomedical research and education with generations of curious, energetic, and energetic learners. The Laboratory's Strategy focuses on eight major areas: Discovery, Education, Outreach, Public Engagement, Community, Support, Finance, and Infrastructure. At the Laboratory, we strive to exceed the expectations of our funders, our grantors, and the public. We are committed to excellence in our research, teaching, and service. For more information, visit www.cshl.edu.