How do experiences change the way we perceive the world? Odein have a way of quickening up back through time. They're immediately connected with our past, so that a familiar scent can summon up all sorts of memories when we see it or smell it. These expectations influence how the brain uses and retains this information. Surprisingly, CSfL scientists have found that the process also works in reverse; memories influence how our sense of smell changes. In words, they help determine how we experience the world.

How does this process work in the brain? Assistant Professor Stephen S. Lee answers this question in his talk, "Light Up the Brain." We look forward to his talk on May 1, first time. Shih and his team have found a way to analyze the process in awake animals. They developed a method to measure the activity of individual neurons. This method can provide feedback so that memories can change the way our odors are perceived.

April: Autism awareness month
The CDC announced that autism now affects 1 in 68 children.
In honor of Autism Awareness Month, CSfL is partnering with across the nation to “Light It Up Blue.” The campaign is to raise funding for autism research efforts from AutismSpeaks, a national advocacy organization. These efforts are focused on funding autism research. CSfL has also received a grant from Autism Speaks, awarding Double Helix Awards to Assistant Professor Stephen S. Lee and Robert B. Wright in 2006.
CSfL has one of the world’s most successful programs for discovering the genes that cause Autism. Learn more and support us today!

Update on breast cancer research and treatment
On March 11, women from across (long island) gathered at Green Auditorium for an event organized by the American Cancer Society. CSfL, Medical Assistant Professor of Hofstra North Shore University School of Medicine, offered a scientific look at medical developments. She urged the audience to consider discount media as a way toutoff controversial topics, such as the effectiveness of mammograms, and listen to medical professionals.

CSfL Assistant Professor Nick Turk is appearing on a talk show on another topic. He has found a way to stimulate the immune system, which controls cancer growth and is working with clinicians at North Shore-LIJ Medical Center to test in a preclinical trial in women with metastatic breast cancer. More about breast cancer research at CSfL.

Author Siddi Macherey’s “Bloodsight of Cancer” At CSfL, scientists are performing leading-edge research on the early detection of many forms of cancer. On March 28th, Dr. Siddi Macherey and members of the CSfL community a view of the latest research in a different perspective that of the historical quest to conquer cancer. Driven by a “tale for a modern story” combined with a hatred of cancer“ Macherey, an assistant professor of medical College of Physicians and Surgeons. Write The Emperor of All Maladies: A Biography of Cancer, the first book to win the Pulitzer Prize in 2011. In the first days of hematopoietic cell transplants at the Laboratory, the gifted author Ken store cells that have been made over a century in transplanting cure for a disease, while addressing some of the key obstacles that must be overcome as cancer research moves forward.

Unraveling the mysteries of the immune code Our genetic information is mapped in the series of letters written in DNA. As a secondary system of the immune code, the team identifies a pathway that helps to protect the plant genome from cancer.

New Online Events


Cold Spring Harbor Laboratory April 2014 Newsletter

- CSfL in the News
- Newsflash
- Upcoming Events
- Making a Gift

CSfL, with the help of professional writers for our electronic newsletter, again

- Harbor Transcript iPad app
- Available Now Online
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Founded in 1935, Cold Spring Harbor Laboratory (CSfL) has shaped the conceptual framework of research and education programs in cancer, neuroscience, and quantitative biology. CSfL is ranked in the top five in the world by Thomson Reuters for impact in life science and Medicine, with particular focus on molecular biology and cancer research. Today, CSfL’s multidisciplinary scientific community is more than 650 researchers and technicians strong and its Meetings & Courses program hosts more than 1,500 scientists from around the world each year in its longest-running seminar and the China Talks. Ten of thousands of students and postdoctoral fellows visit CSfL’s Laboratories each year to enhance their education as well as graduate and undergraduate programs. CSfL is a private, not-for-profit institution on the north shore of Long Island. For more information, visit www.csdlab.org.