Bloomberg/Businessweek

Billion Dollar Play at Much as $29 Billion for a 12-Drug

January 4, 2012

Long Island Business News

The 2011 Influenza

December 30, 2011

Genetic Engineering News

Direct Genetic Breakthrough - Other Advice for President Obama’s

December 15, 2011

The Wall Street Journal

Cure announced by economic development projects

December 8, 2011

Nature Medicine

Notable Advances in 2011 Cancer biology

December 1, 2011

Nature Reviews Drug Discovery

Antineurotrophic Agents: Systematic reawakening of a silent gene to improve survival in SMA

December 1, 2011

:: Upcoming Events

2012 Annual Giving Campaign
Science Never Sleeps

2012 Tour Schedule
CSHL Public Walking Tours

2012 Concert Schedule
CSHL Cultural Series

:: CSHL in the News

An important first in study of mast-cell leukemia

Cancer researchers at CSHL, working with a clinical team from North Shore-LIJ, have achieved another cancer milestone: the first comprehensive study of DNA changes in a patient with mast-cell leukemia (MCL), an extremely aggressive subtype of acute myeloid leukemia with a very poor prognosis.

CSHL Research Investigator Mona Specter, who led the study, said it "could identify possible new drug targets for patients diagnosed with MCL." In the future, genomic data gleaned from individual samples might serve as a basis for designing patient-specific treatment strategies. Described in an upcoming publication, the study was made possible by funding from the Don Monti Memorial Research Foundation and the Ryan Gibson Foundation.

A surprising role for a smelly molecule

Professor Nick Tonks' team has discovered that hydrogen sulfide (H2S) - a basic gas often associated with the smell of rotten eggs in animal feedlots - regulates a cell-signaling pathway implicated in biological malfunctions linked to Alzheimer's and Parkinson's diseases, among others.

H2S is produced as part of the cellular response to what is called ER stress, which can cause newly synthesized proteins to fold improperly. By showing how H2S can serve as a mediator in switching an enzyme called PTP1B on and off, the team shed light on a previously unknown function of the smelly molecule, helping to resolve the process by which a malfunctioning cell decides whether to compensate for ER stress or to start the whole cycle over from scratch.

2011 a 'truly exceptional' year for CSHL research

Dick McConbie named AAAS Fellow

Professor W. Richard McConbie has been named a Fellow of the American Association for the Advancement of Science. Election to the honor bestowed upon AAAS members by their peers in recognition of their scientifically and socially distinguished efforts to advance science.

A comprehensive list of CSHL news releases for calendar year 2011, including news about research, can be accessed here.

:: Stay Connected

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 ThomsonReuters 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 950 scientists strong and its Meetings & Courses program hosts more than 11,000 students 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.