



The initiator of the human DNA replication dance in hi-res

Genome replication is an elaborate DNA dance staged by over 100 molecular performers, and the one that starts the show is known as ORC. Professor Leemor Joshua-Tor and President and Professor Bruce Stillman (who discovered ORC in 1992) have captured atomic-resolution pictures of what ORC looks like while "dancing."

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In the news

Science Translational Medicine

MELK is not a cancer target. Surprise!
March 27, 2017

The Scientist

Rethinking a cancer drug target
March 26, 2017

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2017 Innovator Of The Year Awards
March 22, 2017

nature

A makeover for the world's most hated crop
March 15, 2017

npr

Some Plaque To Build A Theory On: Did Humans And Neanderthals Kiss?
March 11, 2017

New Scientist

Neanderthals may have medicated with penicillin and painkillers
March 8, 2017

Newsday

LIA priorities: biotech corridor, foreclosure change, airport
March 1, 2017

Base Pairs podcast: Dark Matter of the Genome



Featuring astrophysicist-turned-genome-biologist Molly Hammell and Nobel Prize-winner Barbara McClintock

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In quotes

Associate Professor Ivan Iossifov in *Spectrum*:



Sequencing thousands of whole genomes yields new autism genes

March 6, 2017



How your brain helps you overcome ambiguity

Following instructions to turn left on Bungtown Road is easy when you can clearly see the sign. But what about on a day with heavy fog? The right decision isn't always clear from the signals you're given, and new work from Professor Adam Kepecs suggests that our brains get around this problem by performing calculations similar to those of powerful machine-learning algorithms.

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Why some targeted cancer therapies eventually fail

Therapies tailored to the genetics of a particular tumor type are helping lung cancer patients live longer, but cancer usually returns. When it comes back, the cancer is better than ever at surviving therapy. A new paper from Associate Professor Raffaella Sordella reveals a way that non-genetic changes in cancer cells lead to genetic changes that increase resistance to targeted therapies.

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Further reading

*** Trinity College President Joins Board of Cold Spring Harbor Laboratory**

From the LabDish blog



What a real-life science test looks like



Upcoming events

Apr 23 & 30
Science Walking Tour

May 24
Cocktails & Chromosomes
Neuroscientist Adam Kepecs



You can help make a difference

