

## Lewis Cantley to give Rodbell lecture

By Robin Arnette

The 2013 Dr. Martin Rodbell Lecture Series Seminar will feature [Lewis Cantley, Ph.D.](http://weill.cornell.edu/news/releases/wcmc/wcmc_2012/09_12_12.shtml), (http://weill.cornell.edu/news/releases/wcmc/wcmc\_2012/09\_12\_12.shtml) the scientist who led the team that discovered the phosphoinositide 3-kinase (PI3K) pathway in 1985. Since then, subsequent research has determined that mutations in the PI3K pathway are commonly found in many human cancers.

NIEHS Deputy Director [Richard Woychik, Ph.D.](#), will host Cantley's talk, "PI3K and cancer metabolism," Dec. 10 at 11:00 a.m. in the NIEHS Rodbell Auditorium.

### Linked Video

[Watch Cantley talk about his PI3K work with collaborator Pier Paolo Pandolfi, M.D., \(6:50\).](#)

Cantley is the Margaret and Herman Sokol Professor in Oncology Research and Director of the Cancer Center at Weill Cornell Medical College and New York-Presbyterian Hospital. Cantley has been the recipient of numerous awards, including being elected to the National Academy of Sciences and to the American Academy of Arts and Sciences. In February 2013, Cantley won a \$3 million [Breakthrough Prize, administered by the Breakthrough Prize in Life Sciences Foundation](#),

(<https://breakthroughprizeinlifesciences.org/>)

a not-for-profit corporation dedicated to advancing breakthrough research, celebrating scientists, and generating excitement about the pursuit of science as a career. It is the largest academic prize for medicine and biology, and recognizes excellence in research aimed at curing intractable diseases and extending human life.

Now in its 15th year, the Rodbell Lecture is one of two named talks in the annual NIEHS Distinguished Lecture Series. It honors former NIEHS Scientific Director and Nobel laureate [Martin Rodbell, Ph.D.](#), who presented the first talk in the series shortly before his death in 1998. Rodbell shared the 1994 Nobel Prize in Physiology or Medicine with [Alfred Gilman, M.D.](#), ([http://nobelprize.org/nobel\\_prizes/medicine/laureates/1994/gilman-autobio.html](http://nobelprize.org/nobel_prizes/medicine/laureates/1994/gilman-autobio.html)) for the discovery of G-proteins, signal transducers that transmit and modulate signals in cells to control fundamental life processes.



*Cantley's research focus is to understand the biochemical pathways that regulate normal mammalian cell growth and the defects that cause cell transformation. He has authored nearly 400 peer-reviewed journal articles and 100 reviews and book chapters on the topic. (Photo courtesy of Lewis Cantley)*

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