

The Adler Planetarium Presents
From The Big Bang To The Multiverse & Beyond on May 5th
The 2016 Spring Kavli Fulldome Lecture

CHICAGO – April 4, 2016 – On May 5, the Adler Planetarium will welcome Michael Turner, Director of the Kavli Institute of Cosmological Physics and the Bruce V. and Diana M. Rauner Distinguished Services Professor at the University of Chicago to deliver the Spring Kavli Fulldome Lecture. The Kavli Fulldome Lecture Series takes audiences on a journey to the very edges of human knowledge. Adler experts and leading scientists work together to create dazzling, animated images of real data, which are projected onto the planetarium dome. Audiences don't have to imagine what an equation might tell us about the Universe's distant past, they can travel back in time and see it with their own eyes. In Turner's lecture, he will explore some of the biggest mysteries in modern cosmology.

About the Lecture:

We know the Universe began 13.7 billion years ago in an explosion of space called the Big Bang. We also know that the gravity of dark matter created the galaxies and other cosmic structures we see today from tiny quantum fluctuations that arose just after the Big Bang. Yet some big questions remain. Is our Universe part of a larger multiverse? What is speeding up the expansion of the Universe? These are the mysteries that inspire cosmologists today. This presentation will illustrate what we know and how we know it, as well as the big ideas and puzzles of cosmology today.

This lecture will also be presented as a live domecast to various museums, planetariums, and universities around North America, including the American Museum of Natural History in New York City and the H.R. MacMillan Space Centre in Vancouver, BC.

The next installment of the Kavli Fulldome Lecture Series will take place this fall. Stay tuned for details.

Event Details:

Date:

Thursday, May 5, 2016

Time:

7:30 pm – 9:00 pm: Lecture and Q&A Session

9:00 pm– 10:00 pm: Speaker Reception with Refreshments

Tickets:

\$10 General Admission / \$5 Members and Students

For more information and to purchase tickets, please visit: <http://www.adlerplanetarium.org/events/big-bang-multiverse-beyond> beginning April 4.

Recognition: The Adler Planetarium gratefully acknowledges The Kavli Foundation—which is dedicated to the goals of advancing science for the benefit of humanity and promoting increased public understanding and support for scientists and their work—for its generous support of The Kavli Fulldome Lecture Series.

About Michael Turner:

Michael S. Turner is a theoretical astrophysicist and the Bruce V. and Diana M. Rauner Distinguished Service Professor at the University of Chicago. He is also Director of the Kavli Institute for Cosmological Physics at Chicago. Turner helped to pioneer the interdisciplinary field of particle astrophysics and cosmology, and has made seminal contributions to the current cosmological paradigm known as "LambdaCDM", including the prediction of cosmic acceleration. His current research interests are dark matter, dark energy and inflation. Turner has won numerous prizes and is a member of the National Academy of Sciences.

About the Adler Planetarium:

The Adler Planetarium—America's First Planetarium—is more than a museum; it is a laboratory, a classroom, and a community exploring the Universe together. Each year, over 550,000 visitors experience the museum's interactive exhibitions, live planetarium shows, hands-on, minds-on STEM education programs, and world-class collections. Founded in 1930 by Chicago business leader Max Adler, the Adler Planetarium is a recognized leader in public engagement. The museum's scientists, historians, and educators inspire the next generation of explorers and invite you to explore space with us.