

**The Adler Planetarium Hosts An Encore Presentation Of  
*From The Big Bang To The Multiverse & Beyond* on July 31<sup>st</sup>**  
*The 2016 Summer Kavli Fulldome Lecture*

CHICAGO – July 13, 2016 – On July 31, 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, will return to the Adler Planetarium to give a reprise of his lecture: *From the Big Bang to the Multiverse & Beyond* that he delivered to a sold-out crowd on May 5. As part of the Summer Kavli Fulldome Lecture Series, the esteemed University of Chicago Professor will explore some of the biggest mysteries in modern cosmology. The 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.

**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 cosmologist. This presentation will illustrate what we know and how we know it, as well as the big ideas and puzzles of cosmology today.

As an important feature of the Kavli Fulldome Lecture Series, Turner's presentation will be live domecasted from the Adler to other planetaria around the country and the world including the Inspiria Science Center in Sarpsborg, Norway, the Ghana Space Science & Technology Centre in Accra, Ghana, H.R. MacMillan Space Centre in Vancouver, British Columbia and California Academy of Sciences in San Francisco, CA.

The next installment of the Kavli Fulldome Lecture Series will unravel the historic discovery of gravitational waves this fall. More information will be available soon.

**Event Details:**

**Date & Time:**

Sunday, July 31, 2016, at 11 am

**Tickets:**

\$17 Non-Members (includes General Admission) / \$5 Members

*\*Guests can upgrade to a Basic Pass or All Access Pass on-site.*

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

**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.