



# › Hertie Lectures in Brain Research

## Optical deconstruction of fully-assembled biological systems

The Hertie Institute of Clinical Brain Research  
is pleased to announce that the first Hertie Lecture  
in Brain Research will be given by

**Professor Karl Deisseroth,  
Stanford University**

The lecture will be on

**January 20, 2014**

starting at 6:15 pm in the Audimax Tübingen  
followed by a reception.



**Hertie-Institut**  
für klinische Hirnforschung

# We look forward welcoming you to the first Hertie Lecture in Brain Research.

Thomas Gasser

*Hertie Institute for Clinical Brain Research*

## KARL DEISSEROTH

Deisseroth is director of undergraduate education in bioengineering at Stanford and a practicing psychiatrist. He has pioneered and developed



new optical technologies that give researchers unprecedented access to fully intact biological systems, including optogenetics, a technology for controlling specific cells with light inside behaving animals, and CLARITY, a chemical engineering technology for visualizing and labeling biological tissues without disassembly. He has used these methods to study anxiety, depression and other conditions and diseases.

He has received the:

NIH Pioneer Award (2005),  
Scheutze Prize (2008),  
Society for Neuroscience  
Young Investigator Award  
(2009),

Koetser Prize (2010),  
Nakasone Prize (2010),  
Spencer Prize (2011),  
UNC/Perl Prize (2012),

Zuelch Prize (2012),  
Pasarow Prize (2013),  
BRAIN prize (2013) and  
Lounsbery Prize (2013).

Deisseroth is a member  
of the Institute of Medicine  
and the National Academy  
of Sciences.

