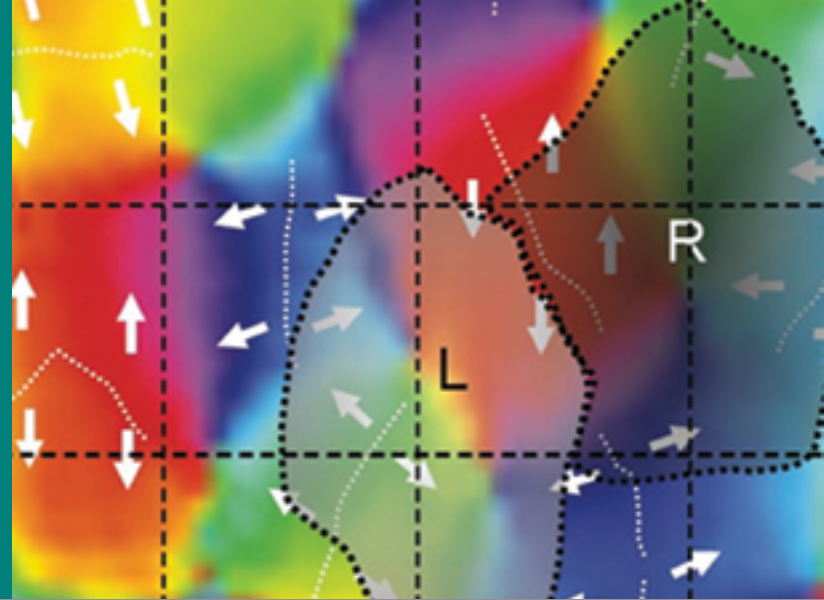


# Illuminating Brain Circuits

Join us for a lecture by

**David Fitzpatrick, PhD**

Scientific Director & CEO, Max Planck Florida Institute  
Jupiter, Fla.



Mapping the connections responsible for brain function.  
Surface view of a part of the brain responsible for vision.

**Wednesday, February 15, 2012 | 6:30 p.m. – 7:30 p.m.**

## Royal Poinciana Chapel

Fellowship Hall  
60 Coconut Row, Palm Beach, FL 33480

Free and open to the public.

RSVP to 561.972.9007 or [rsvp@maxplanckflorida.org](mailto:rsvp@maxplanckflorida.org).

Neural circuits, the complex synaptic networks of the brain, hold the key to understanding who we are, why we behave the way we do, and how we can develop more effective treatments for neurological and psychiatric disorders. Recent advances made possible by bringing together the talents of scientists skilled in a broad range of disciplines—physics, chemistry, genetics, molecular biology, physiology and anatomy—are revolutionizing our ability to investigate how neural circuits are organized, how they function and how they are altered by disease. Many of these advances involve the use of light in combination with molecular probes to visualize and manipulate the cellular and synaptic events that lie at the heart of neural circuit function. This lecture will focus on the use of light to explore the structure, function, and development of neural circuits in the living brain. What we are learning will amaze you!



**Dr. David Fitzpatrick** is the Scientific Director and CEO of the Max Planck Florida Institute in Jupiter, Fla. His scientific contributions have earned him international recognition as a leader in systems neuroscience. His particular focus is on the functional organization and development of neural circuits in the cerebral cortex—the largest and most complex area of the brain whose functions include sensory perception, motor control and cognition. Prior to his appointment at the Max Planck Florida Institute, Dr. Fitzpatrick served as the James B. Duke Professor of Neurobiology at the Duke University School of Medicine and as the Founding Director of the Duke Institute for Brain Sciences.

**MAX PLANCK**  
FLORIDA INSTITUTE

**Save the  
Dates:**

**Wednesday, March 7, 2012**

**“How the Brain Stores Information”**

Presented by:

**Dr. Tobias Bonhoeffer**

Max Planck Institute of Neurobiology,  
Munich

**Tuesday, March 27, 2012**

**“Exploring our Fiery Star, The Sun”**

Presented by:

**Dr. Sami K. Solanki**

Max Planck Institute for Solar System Research,  
Katlenburg-Lindau