

Lecture is held Monday, April 29<sup>th</sup>, 11:30 a.m.  
Venue: Auditorium, Virchowweg 6, CCO

## Prof. Thomas C. Südhof

STANFORD UNIVERSITY, USA  
EINSTEIN BIH VISITING FELLOW AT BERLIN INSTITUTE OF HEALTH

HOST: Prof. Christian Rosenmund

### **Adhesion GPCRs in synapse formation**

A fundamental problem in neuroscience is the question of how synapses are established during development, and how they are restructured throughout life. The Südhof lab aims to identify the basic mechanisms underlying the initial formation of synapses, the specification of synapses that endows them with specific properties, and their continuous activity-dependent restructuring. Recent data revealed a central role of adhesion GPCRs in these processes that will be discussed in Thomas Südhof's presentation.

