

## THE ROLE OF PROTEIN DYNAMICS IN GPCR SIGNALING

DANIEL HILGER

Marburg University,  
Germany

G protein-coupled receptors (GPCRs) are key regulators of human physiology and represent the largest class of drug targets in the genome. Yet the molecular mechanisms underlying ligand-dependent activation of receptors and their intracellular signaling proteins remain poorly understood.

In this talk, I will discuss how ligands reshape the conformational landscape of GPCRs and their engaged G proteins to control cellular responses, providing new insights into the structural basis of GPCR signaling.

FRIDAY,  
10.04.2026

2:00 PM

CFEL  
SEMINAR ROOMS I-III  
&  
ONLINE PRESENTATION  
CHECK HHPS.DE FOR  
FURTHER INFORMATION

