



Grands Séminaires du Collège de France

Centre Interdisciplinaire de Recherche en Biologie du Collège de France

Le vendredi 25 mai 2018

à 16h00

Salle 2

(accès public)

Dr Gero Miesenböck

*Centre for Neural Circuits and Behaviour
University of Oxford, United Kingdom*



Light Sleep

Abstract : Gero Miesenböck is Waynflete Professor of Physiology and founding Director of the Centre for Neural Circuits and Behaviour at the University of Oxford. Before coming to Oxford in 2007, he held faculty appointments at Memorial Sloan-Kettering Cancer Center and Yale University School of Medicine. Miesenböck has received many awards for the invention of optogenetics. He is a Fellow of the Royal Society and a member of the German and Austrian Academies of Science.

His Lecture, entitled "Light Sleep", will illustrate the enabling power of optogenetics with recent work on the homeostatic regulation of sleep. Optogenetic interventions have helped to pinpoint neurons whose sleep-inducing activity switches on as sleep deficits accrue, reveal how this activity switch works, and uncover some of the efferent connections that impose sleep on the rest of the brain.