



IST Lecture

Mechanisms for balancing sleep need and sleep

Gero Miesenböck (University of Oxford)

Host: Tom Henzinger

We are pleased to invite you to the next IST Lecture, which will take place on the IST Austria campus and online.

Abstract

The essential but enigmatic functions of sleep must be reflected in molecular changes sensed by the brain's sleep-control systems. Insights into these systems are beginning to reveal the physical nature of sleep pressure and the mechanisms responsible for its accumulation and discharge. These advances are a testament to the enabling power of optogenetics, whose early days the lecture recalls in a handful of personal vignettes.

About Gero Miesenböck

Gero Miesenböck is an Austrian neurophysiologist and is known as the founder of optogenetics. He received his education at the University of Innsbruck and Umeå University in Sweden, and graduated from the University of Innsbruck Medical School in 1993. Miesenböck has received a great number of honors and awards including the Brain Prize, which he received in 2013, and in 2015 he was elected a Fellow of the Royal Society.

Registration

To register for attending in the Raiffeisen Lecture Hall (limited capacity!), [click here](#).

To register for the online stream, [click here](#).

Tuesday, September 21, 2021 05:30pm - 06:30pm

Refreshments will be served after the lecture.

IST Austria Campus Raiffeisen Lecture Hall and Online

Registration: 3G policy for the Raiffeisen Lecture Hall



This invitation is valid as a ticket for the IST Shuttle from and to Heiligenstadt Station. Please find a schedule of the IST Shuttle on our website. **Attendance in the Raiffeisen Lecture Hall is only possible with a valid 3G certificate (vaccinated / tested / passed by the side).** Please have your certificate at hand.

Arriving at the IST Lecture

Institute of Science and Technology Austria | Am Campus 1 | 3400 Klosterneuburg

By showing the [invitation](#) to this lecture, participants can use the IST Shuttle (Bus #142) from Heiligenstadt for free. Depart at Heiligenstadt bus stop (exact location [here](#)) at 5:03 pm and arrive at IST Austria at 5:26 pm. See also [shuttle timetable](#).

Parking on campus

Parking options for the lecture will be communicated via email to registered participants.

IST Lectures introduce eminent researchers and their work to a wide audience of scientists and the general public.