



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](#). Refreshments will be served after the lecture.

Coronavirus: 3G policy for the Raiffeisen Lecture Hall

Entry to the Raiffeisen Lecture Hall is only possible with a valid 3G certificate (vaccinated / tested / recovered). Please have your certificate at hand.

Arriving at the IST Lecture 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.

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

Raiffeisen Lecture Hall and Online



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.

