

SIR RUN RUN SHAW LECTURE SERIES

Adventures in Neuropharmacology



Dirk Trauner
University of Pennsylvania

Neuropharmacology continues to drive new developments in chemistry and biology. Trauner will exemplify this with a new synthesis of Tetrodotoxin (TTX) that can deliver the neurotoxin in 22 steps and on a useful scale.

He will also make the case that "Proximity Photopharmacology" is a particularly effective strategy to control the fate and function of proteins, with an emphasis on applications in neuroscience.

Dirk Trauner's research is to demonstrate the awesome power of chemical synthesis and to use it toward the precision control of biological pathways, especially in neuroscience. He currently serves as Penn Integrates Knowledge Professor at the University of Pennsylvania with an appointment in the Perelman School of Medicine and in the Department of Chemistry.

Friday, March 24, 2023 • 4:00 pm
Student Union Auditorium

Presented by the Department of Chemistry

For more information on the Run Run Shaw Lecture Series, visit stonybrook.edu/cas