

# 169<sup>th</sup> WPI-IIIS Seminar

## Sleep meets data science

The contributions of so-called “dry” research, including data science, bioinformatics, and mathematical modeling, are indispensable to the life sciences. However, the frontier between experimental “wet” and “dry” research is becoming blurrier, as interdisciplinary approaches are necessary to tackle fundamental yet complex biological questions. In this seminar, Dr. Shi will introduce some of his experience in applying data science and mathematical models to ecology, infectious diseases (e.g., COVID-19), and sleep. In particular, he will explain how mathematical models and data science recently led his team to the discovery of important genes regulating sleep duration.



### Dr. Shoi Shi

Department of Systems Pharmacology  
Graduate School of Medicine,  
The University of Tokyo

Date: **Wednesday, May 26, 2021**

Time: **10:30 – 11:30**

Venue: **Join us online via WPI-IIIS Teams**



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