

2024年度 第4回 生命科学技术国際卓越講義



World-leading Innovative Lectures
in Life Science & Technology
The University of Tokyo



The exquisite choreography of translation initiation

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Date: Friday, 11th, October, 2024

Time: 9:45 Zoom Open

10:00-11:00 Lecture including Questions and Discussions

11:00-11:05 Break

***11:05-11:30 Interview with students and researchers**

(*Attending an interview session needs another registration (see your e-mail))

Venue: Online Zoom (See your email for the details)

Please register by this QR code or clicking the following link
[Registration Form](#)

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卓越講義 Registration form



Abstract:



Translation is the last step of gene expression and a point of extensive regulation. How an mRNA is chosen to be translated, how a translation start site is found at the 5' end of an mRNA and how translation gets started at the correct site all remain a mystery, veiled by the dynamic nature of the process and myriad factors that guide it. Over the past decade, we have developed and applied single-molecule approaches merged with structural methods to observe and animate this process in higher organisms. Our goal is a direct real-time movie of molecular processes underlying how proteins are made. Here I will provide an overview of our recent results and perspectives for the future.

Organizer: World-leading Innovative Graduate Study Program for Life Science and Technology

**Cooperation: Graduate Program for Leaders in Life Innovation, The University of Tokyo
Clinical Research Promotion Center, The University of Tokyo Hospital**

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