

2025年度 第1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



A portrait of the eukaryotic DNA replisome - how it is assembled and how it works

Professor. Huilin Li, PhD

Ralph and Grace Hauenstein Endowed Chair in Structural Biology
Professor and Chair, Department of Structural Biology
Van Andel Institute

Date: Friday, 4th, April, 2025

Time: 15:30 registration

16:00-17:00 Lecture including Questions and Discussions

17:00-17:10 Break

***17:10-17:40 Free talk session – “Meet the Professor”**

**(*Attending the “Meet the Professor” needs another registration
(see your e-mail))**

Venue: Seminar room No.6, 13F Faculty of Medicine Experimental Research Bldg. Hongo-Campus, The University of Tokyo (医学部教育研究棟 13階 第6セミナー室)



Abstract:

Eukaryotes replicate their DNA only once every cell cycle. Re-replication within one cell cycle can lead to uncontrolled cell proliferation and cancers. Numerous mechanisms are in place to prevent re-replication at replication origins scattered throughout the genome. But the main strategy to ensure once per cell cycle replication is to segregate replication initiation and DNA synthesis into different phases of the cell cycle: replication initiation and licensing occur in the G1 phase, and DNA synthesis in the S phase. In this seminar, Dr. Li will present how his lab has used structural and biochemical approaches to dissect the molecular events in replication initiation and replisome assembly.

Please register by this QR code or by clicking the following link

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For Further Information Contact: Kotoko Ogawa at WINGS-LST Office

Phone: 03-5841-3483; E-mail: kogawa@g.ecc.u-tokyo.ac.jp