

2023 年度 第 3 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



Transition Metal Signaling and Metalloallostery: Bioinorganic Chemistry Beyond Active Sites

Prof. Christopher J. Chang

Class of 1942 Chair Professor
Departments of Chemistry and Molecular and Cell Biology
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Please register by this QR code or clicking the following link

[Registration Form](#)

Date: Thursday, 16th, November, 2023

Time: 13:00 registration

13:30-14:30 Lecture

14:30-15:00 Question and Discussion

15:00-15:15 Break

*15:15-16:00 Discussions with students

(*Attending an interview session 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)

Participants: Up to 100 participants



Abstract:

Metals in biology play essential roles in health and disease as they span a unique continuum from metabolism to signaling. Motivated to study metals in their native biological contexts and how they are misregulated in disease, we are developing molecular imaging probes to track dynamic metal pools with spatial and temporal resolution and proteomics probes to characterize metal-dependent targets of cell signaling. This presentation will focus on our latest work in the development of metal-responsive sensors and their application to decipher transition metal signaling pathways and metalloallostery in fundamental behaviours such as eating and sleeping.

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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