

# Mini-symposium

on July 17<sup>th</sup>, 2024, from 9.00 am - 3.30 pm:



Mahidol University  
Institute of  
Molecular Biosciences

# CRYO-ELECTRON MICROSCOPY FOR THERAPEUTIC DEVELOPMENT

Conference room 2<sup>nd</sup> floor Sirivadhanabhakdi building, Mahidol University Alumni Association under the Royal Patronage of His Majesty the King, (Salaya Campus)



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## Prof. Zihe Rao (Keynote)

Head of the Laboratory of Structural Biology  
The Medical School, Tsinghua University, China  
Topic: "Pathogen Research"



## Dr. Seungil Han

Head of Cryo-EM/Structural Biology Lab, Pfizer Inc., USA  
Topic: "Applications of Cryo-EM in small molecule  
and biologics drug design"



## Prof. Katsumi Maenaka

Faculty of Pharmaceutical Sciences,  
Hokkaido University, Japan  
Topic: "Structural Virology Studies and The International  
Collaborative Cryo-EM Facility at Hokkaido University"



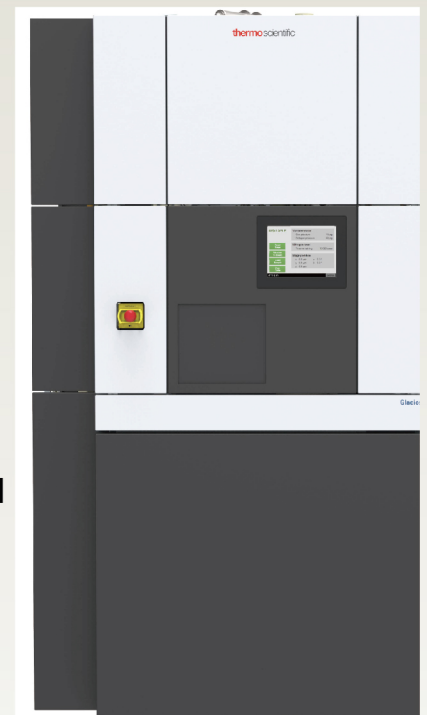
## Prof. Sheemei Lok

National University of Singapore, Singapore  
Topic: "Dengue Early Fusion Events"



## Prof. Zhi-Jie (James) Liu

Executive Director of iHuman Institute,  
ShanghaiTech University, China  
Topic: "Structural biology investigation on human bitter taste receptors"



Glacios Cryo TEM



ศูนย์เครื่องมือวิจัยเพื่อความเป็นเลิศ  
Mahidol University Frontier Research Facility : MU-FRF

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# CRYO-ELECTRON MICROSCOPE FOR THERAPEUTIC DEVELOPMENT



July 17, 2024  
9.00 am – 3.30 pm



Conference Room 2<sup>nd</sup> floor,  
Sirivadhanabhakdi building,  
Mahidol University Alumni Association

- 9.00 - 9.15** Opening by the executive of Mahidol University
- 9.15 - 10.10** Prof. Zihe Rao  
(School of Medicine, Tsinghua University) (Keynote)  
*Topic: "Pathogen Research"*
- 10.10 - 10.20** Coffee Break
- 10.20 - 11.10** Dr. Seungil Han  
(Head of Cryo-EM/Structural Biology Lab, Pfizer Inc.)  
*Topic: "Applications of Cryo-EM in small molecule and biologics drug design"*
- 11.10 - 11.45** Dr. Eric Fung Chen (Thermo Fisher Scientific)  
*Topic: "Cryoem worldwide update and advances in translational science"*
- 11.45 - 13.15** Lunch
- 13.15 - 14.00** Prof. Katsumi Maenaka  
(Faculty of Pharmaceutical Sciences, Hokkaido University, Japan)  
*Topic: "Structural Virology Studies and the International Collaborative Cryo-EM Facility at Hokkaido University"*
- 14.00 - 14.45** Prof. Sheemei Lok  
(National University of Singapore)  
*Topic: "Dengue Early Fusion Events"*
- 14.45 - 15.30** Prof. Zhi-Jie James Liu  
(iHuman Institute, ShanghaiTech University)  
*Topic: "Structural biology investigation on human bitter taste receptors"*
- 15.30 - 15.40** Closing Speech, followed by Coffee and Sweets Box distribution