NUS National University of Singapore | Department of Biological Sciences
Faculty of Science

SEMINAR

Tues, 27 Oct 2020 | 9 am | Online Zoom Session

Hosted by Prof Jayaraman Sivaraman

Solving Challenging Structures in Single-Particle Cryo-EM - Unravelling Biology through Methods Development

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Single-particle cryogenic electron microscopy (cryo-EM) has become a powerful mainstay tool in structural biology thanks to advances in hardware, software and sample preparation technology. And these methodological advances have continued to be indispensable in driving new discoveries. In my talk, I would showcase examples of how developments in methods have led to elucidation of challenging structures such as ribosomal biogenesis intermediates, high resolution adeno-associated virus-like particles, membrane-bound mycobacterial glycosyltransferases AftD and EmbB, and malarial drug resistance transporter PfCRT, allowing us to link structure to function.

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