

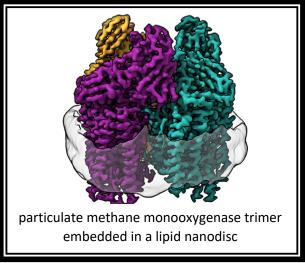




## Webinar

## CryoEM studies of a methane-oxidizing enzyme in the lipid bilayer





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9:00 AM (PDT)/12:00 PM (EDT) Thursday, Sept 30, 2021

CryoEM has revolutionized structural studies of membrane proteins over the last decade. Combined with membrane mimetics such as lipid nanodiscs, cryoEM allows for detergent-free structural determination of membrane proteins within a lipid bilayer more closely matching the native environment. I will discuss the process of embedding a methane-oxidizing enzyme in lipid nanodiscs and how structure determination within the bilayer gives new insight into the function of the enzyme.

All are welcome to attend. Registration is at no-cost, but sign-up is required: Registration Link: https://us02web.zoom.us/webinar/register/WN a686i8lqSgiG8jg8Ylg6pQ

This webinar series is jointly hosted by the NIH Transformative High Resolution CryoEM Program Service Centers: the National Center for CryoEM Access and Training (NCCAT), the Pacific Northwest Center for CryoEM (PNCC), and the Stanford-SLAC CryoEM Center (S2C2) who provide no-cost access to cryoEM instrumentation and training. In this monthly series, we will highlight cryoEM methods and use the Q&A session after the seminar to stimulate discussion of best practices and interesting challenges that will be helpful to researchers new to the field. Representatives from all three service centers will also be on hand to answer questions about the CryoEM resources available to biomedical researchers and how to access them.