

LBMS cryo-EM Training Workshop Series

April 23-25, 2025

Cryo-EM Sample Preparation, Screening, Data Collection and Analysis

Day 1

Time (EST)	Subject/Title
8:30-9:00	Check-in and light breakfast (provided)
9:00-9:10	Welcome
9:10-10:30	Introduction of negative staining cryo-EM sample preparation, cryo-EM and low dose technique
10:30-11:00	Group photo and tour of LBMS, and NSLSII
11:00-12:00	Introduction to single particle data analysis
12:00-1:00	Lunch (provided)
1:00-5:00	Cryosparc (LBMS computing resource available till the end of the workshop)
2:45-3:00	Coffee break (provided)
5:30	Dinner (provided)

Day 2

Time (EST)	Subject/Title
8:30-9:00	Light breakfast (provided)
9:00-12:30	Data collection Sample prep Sample Screening (NS) Sample screening (cryo)
12:30-1:30	Lunch (provided)
1:30-5:00	Sample screening (cryo) Data collection Sample prep Sample Screening (NS)
2:45-3:00	Coffee break (provided)
5:30	Dinner (provided)

Day 3

Time (EST)	Subject/Title
8:30-9:00	Light breakfast (provided)
9:00-12:30	Sample Screening (NS) Sample screening (cryo) Data collection Sample prep
12:30-1:30	Lunch (provided)
1:30-4:45	Sample prep Sample Screening (NS) Sample screening (cryo) Data collection
2:45-3:00	Coffee break (provided)
4:45-5:00	Closing