



Overview

The EMDataBank (www.emdatabank.org) is a research consortium among RCSB, PDBe and NCMI under the support of NIGMS to establish a robust infrastructure and standard to archive cryoEM maps and models. A major goal is to work with the 3DEM community to establish data-validation methods that can be used in the process of structure determination, define key indicators of a well-determined structure that should accompany every 3DEM structure deposition, and implement appropriate validation procedures into a validation pipeline.

In 2015-2016 EMDataBank organized its second [Model Challenge](#) to enable assessment of current approaches to interpretation of higher resolution (3-5Å) cryoEM maps with atomic models, to critically evaluate the map interpretation, model fitting, model refinement, and validation methods that are now coming into use. Initial assessments of the 106 submissions from 16 modellers have been prepared and can be viewed at the [model comparison site](#).

A face-to-face meeting is planned for Monday May 29, 2017 to discuss model assessments and will be held at the Hyatt Regency in New Orleans, in the Imperial 11 meeting room (4th floor), from 9:30 AM to 3 pm. A GoToMeeting link is available for assessors and committee members who are unable to attend in person. We invite you to join and hope that you will be able to participate, provide valuable feedback and take part in discussions.

Registration

Please register at this link for the meeting and indicate whether you plan to attend in person or remotely: http://ncmi.bcm.edu/ncmi/events/workshops/workshops_159

Agenda

Monday May 29 (9:30 - 14:00)

Introductions: Wah Chiu and Paul Adams	9:30	9:40
Challenge Results Overview -- Cathy Lawson	9:40	10:00
Model Comparison Overview -- Andriy Kryshtafovych	10:00	10:30
Assessors 1-4*	10:30	12:30
Lunch and Discussion (boxed lunches)	12:30	14:00

*Each assessor will have 20 minutes to present their findings plus 10 minutes for discussion. Proposed order: (10:30) Arjen Jacobi (remote), (11:00) James Fraser (remote), (11:30) Jane Richardson, James Fraser, (noon) Tom Terwilliger

Accommodations & Transportation

The meeting hotel is the Hyatt Regency New Orleans. Other possibilities: Old 77, Queen and Crescent Hotel Omni Riverfront, Westin New Orleans Canal Place. A shuttle is available to get to downtown from the airport: <http://www.airportshuttleneworleans.com>

Logistics

Connection Info for remote attendees:

CryoEM Model Challenge Assessment

Mon, May 29, 2017 9:30 AM - 4:30 PM CDT

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/606444093>

You can also dial in using your phone.

United States: +1 (224) 501-3412

Access Code: 606-444-093

First GoToMeeting? Try a test session: <http://help.citrix.com/getready>

Onsite speakers: please remember to bring any special adaptors required for your laptop.

Organizer Contact Info

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For travel reimbursement/administrative issues:

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