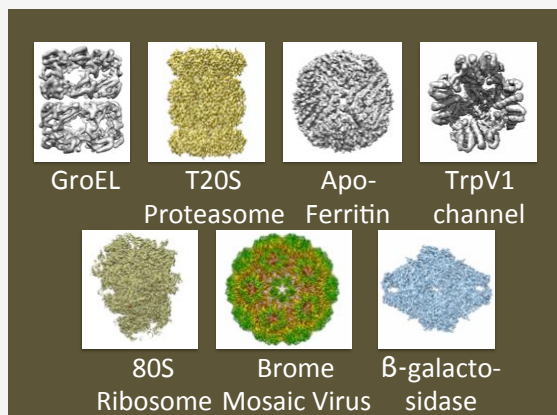


Map Challenge



Targets:

- Raw Image Benchmark Datasets deposited @ EMPIAR (PDBe)

Timing:

- Registration **NOW OPEN**
- Challengers: reconstruction submissions open **August** thru **December**
- Assessors: open data assessment period commences **early 2016**
- Results Workshop **mid-2016**

Committee:

Bridget Carragher (Chair), Jose-Maria Carazo, Wen Jiang, John Rubinstein, Peter Rosenthal, Fei Sun, Janet Vonck

WANTED

Challengers and Assessors



FOR MAPS

create/evaluate single particle reconstructions from seven benchmark datasets

FOR MODELS

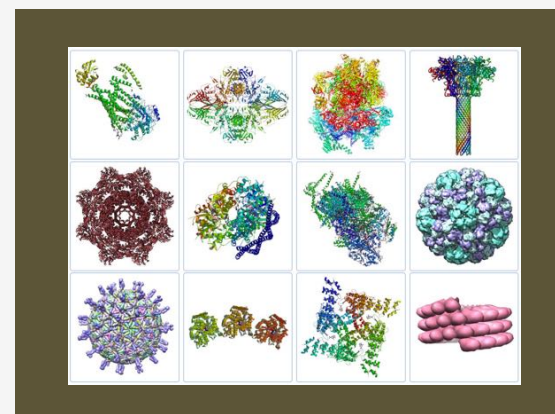
create/evaluate coordinate models from moderate to high resolution 3DEM reconstructions



Watch EMDataBank News for details

- Each challenge is formulated by a community-based committee
- Targets selected from recently deposited maps, models
- **Goals: Develop benchmark datasets, encourage development of best practices, evolve criteria for evaluation and validation, compare and contrast different approaches**
- Results Discussion via Participant Workshops/Journal Special Issues

Model Challenge



Targets:

- Recent 3.0-4.5 Ångstrom resolution maps deposited @ EM Data Bank

Timing (Projected):

- Registration open in **October**
- Challengers: model submissions open **October** thru **April 2016**
- Assessors: open data assessment period **Summer 2016**
- Results Workshop **Fall 2016**

Committee:

Paul Adams (Chair), Axel Brunger, Randy Read, Torsten Schwede, Maya Topf, Gerard Kleywegt