



EMDataBank
Unified Data Resource for 3DEM

EMDataBank Advisory Committee Meeting

Saturday, May 10, 2014

Rutgers University, Center for Integrative Proteomics Research
174 Frelinghuysen Road, Piscataway, NJ 08854, Room 120

09:00	Welcome	Stephen Burley
09:10	Introduction	Wah Chiu
09:20	2013 Recommendations Review	Helen Berman
09:40	3DEM Validation Development Overview	Gerard Kleywegt
10:00	Map Validation Development	Steve Ludtke
10:15	Model Fit-to-Map: High Resolution	Corey Hryc
10:45	Break	
11:10	Model Fit-to-Map: Moderate Resolution	Matthew Baker
		Greg Pintile
11:40	Model Validation Development	Cathy Lawson
12:00	Group Picture & Lunch	
13:00	3DEM Deposition Pipeline Development	Ardan Patwardhan
13:30	Plans & Concluding Remarks	Wah Chiu
14:00	Executive Session	
15:00	Feedback & General Discussion	
16:30	Adjourn	

EMDataBank Advisory Committee Meeting Roster
10 May 2014
Rutgers University, Proteomics Room 120

Advisors

Paul Adams (Chair)

Deputy Division Director, Senior Scientist
Lawrence Berkeley Laboratory
Building 64 Room 128
Berkeley, CA 94720
(510) 486 4225
PDAdams@lbl.gov

Richard Henderson

MRC Laboratory of Molecular Biology
Hills Road
CB2 0QH Cambridge
United Kingdom
+44 (0)1223 402 215
rh15@mrc.lmb.cam.ac.uk

Bram Koster

Professor, Ultra-structural and Molecular Imaging
Department of Molecular Cell Biology
Section Electron Microscopy
Leiden University Medical Center
2300 RC Leiden
The Netherlands
+31-71-5269294
a.j.koster@lumc.nl

Maryann Martone

Professor in Residence
Department of Neurosciences
University of California San Diego
Center for Research in Biological Systems
9500 Gilman Drive, MC0608
La Jolla, California 92093
858 822 0745
maryann@ncmir.ucsd.edu

Andrej Sali

Professor and Vice Chair
Department of Biopharmaceutical Sciences
Mission Bay, Byers Hall
1700 4th Street, Suite 503B
University of California, San Francisco
San Francisco, CA 94158
415 514 4227
sali@salilab.org

Observer

Paula Flicker

Program Manager
National Institute of General Medical Sciences
National Institutes of Health
Building 45 - Natcher Building, 2AS13H
45 Center Dr
Bethesda, MD
301 594 0828
flickerp@nigms.nih.gov

Project Members

Wah Chiu, PI
National Center for Macromolecular Imaging, Verna
and Marrs McLean Department of Biochemistry &
Molecular Biology, Baylor College of Medicine,
1 Baylor Plaza,
Houston, Texas 70030
+1 713 798 6985
wah@bcm.tmc.edu

Helen Berman, co-PI
Board of Governors Professor of Chemistry
Research Collaboratory for Structural Bioinformatics
and Department of Chemistry & Chemical Biology
Rutgers University
Center for Integrative Proteomics Research
174 Frelinghuysen Road, Piscataway, NJ 08854
+1 848 445 4667
berman@rcsb.rutgers.edu

Gerard Kleywegt, co-PI
Protein Data Bank in Europe
EMBL-European Bioinformatics Institute
Wellcome Trust Genome Campus
Hinxton, Cambridge, CB10 1SD
United Kingdom
+44 (0) 1223 492 663
gerard@ebi.ac.uk

Stephen Burley
Director, Center for Integrative Proteomics Research
Research Collaboratory for Structural Bioinformatics
and Department of Chemistry & Chemical Biology
Rutgers University
Center for Integrative Proteomics Research
174 Frelinghuysen Road, Piscataway, NJ 08854
+1 848 445 5114
sburley@proteomics.rutgers.edu

Mathew Baker
National Center for Macromolecular Imaging, Verna
and Marrs McLean Department of Biochemistry &
Molecular Biology, Baylor College of Medicine,
1 Baylor Plaza,
Houston, Texas 70030
+1 713 798 7319
mbaker@bcm.tmc.edu

Corey Hryc
National Center for Macromolecular Imaging, Verna
and Marrs McLean Department of Biochemistry &
Molecular Biology, Baylor College of Medicine,
1 Baylor Plaza,
Houston, Texas 70030
hryc@bcm.edu

Brian Hudson
Research Collaboratory for Structural Bioinformatics
and Department of Chemistry & Chemical Biology
Rutgers University
Center for Integrative Proteomics Research
174 Frelinghuysen Road, Piscataway, NJ 08854
+1 848 445 4938
hudson@rcsb.rutgers.edu

Cathy Lawson
EM Project Manager, RCSB
Research Collaboratory for Structural Bioinformatics
and Department of Chemistry & Chemical Biology
Rutgers University
Center for Integrative Proteomics Research
174 Frelinghuysen Road, Piscataway, NJ 08854
+1 848 445 5494
cathy.lawson@rutgers.edu

Steven Ludtke
National Center for Macromolecular Imaging, Verna
and Marrs McLean Department of Biochemistry &
Molecular Biology, Baylor College of Medicine,
1 Baylor Plaza,
Houston, Texas 70030
+1 713 500 5416
sludtke@bcm.tmc.edu

Ardan Patwardhan
Project Leader for EM and PDBe production
EMBL-European Bioinformatics Institute
Wellcome Trust Genome Campus
Hinxton, Cambridge, CB10 1SD
United Kingdom
+44 (0) 1223 492 649
ardan@ebi.ac.uk

Greg Pintilie
National Center for Macromolecular Imaging, Verna
and Marrs McLean Department of Biochemistry &
Molecular Biology, Baylor College of Medicine,
1 Baylor Plaza,
Houston, Texas 70030
pintilie@bcm.tmc.edu

Raul Sala
Research Collaboratory for Structural Bioinformatics
and Department of Chemistry & Chemical Biology
Rutgers University
Center for Integrative Proteomics Research
174 Frelinghuysen Road, Piscataway, NJ 08854
+1 848 445 4941
rsala@rcsb.rutgers.edu

John Westbrook
Research Collaboratory for Structural Bioinformatics
and Department of Chemistry & Chemical Biology
Rutgers University
Center for Integrative Proteomics Research
174 Frelinghuysen Road, Piscataway, NJ 08854
+1 848 445 4290
cathy.lawson@rutgers.edu