

Steitz Reunion Symposium

June 23 - June 26, 2011

Yale University
266 Whitney Avenue, New Haven, CT
(203) 432-5619 office; (203) 432-5627 lab

Thursday, June 23

P.M. Arrivals during day/late afternoon
Check-in at Omni Hotel and other New Haven hotels

7:00-11:00 P.M.

Welcome reception at Omni - cocktails / hors d'oeuvres / live music
Harbour Room and Davenport Suite - 19th floor

Friday, June 24

7:45-8:30 a.m.

Registration / breakfast outside SCL 110 lecture hall
Pastries, bagels, coffee, tea, juice

8:30 a.m.-12:00 p.m. Morning Scientific Session - SCL 110

8:30-8:45 Welcome and Opening Comments
Joachim Jaeger

8:45-9:30 **Keynote Address: Peter B. Moore**
The Good Old Days with Good Old Tom

9:30-10:00 **Richard Henderson, MRC LMB, Cambridge, UK**
CryoEM for Structural Biology of Membrane Proteins

10:00-10:30 **Poul Nissen, Aarhus University, Aarhus, DK**
Pumping Ions by P-type ATPases (tentative)

10:30-11:00 Break: coffee, tea, etc. (outside SCL 110)

11:00-11:30 **Andres Leschziner, Harvard University, Cambridge, MA**
Unraveling how Cytoplasmic Dynein Walks

11:30-12:00 **Weikai Li, Washington University, St. Louis, MO**
Structure and Function of Vitamin K Epoxide Reductase: Connecting Oxidative Folding with Blood Coagulation

12:00-1:30 p.m. Lunch and photo ops in the KBT courtyard (tent)

1:30 p.m.- 5:30 p.m. Afternoon Scientific Session - SCL 110

- 1:30-2:00 **Phoebe Rice**, University of Chicago, IL
Structure of a Jumping Gene Machine
- 2:00-2:30 **Wei Yang**, NIDDK, NIH, Bethesda, MD
Return of the Central Dogma: Proteins that Tend DNA
- 2:30-3:00 **David Jeruzalmi**, Harvard University, Cambridge, MA
Mechanism of the UvrAB DNA Damage Sensor
- 3:00-3:30 **Daniel Kaplan**, Vanderbilt University, Nashville, TN
Insights into the Initiation of Eukaryotic DNA Replication
- 3:30-4:00 Break: coffee, tea, etc. (outside SCL lecture hall)
- 4:00-4:30 **Joachim Jaeger**, Wadsworth Center, NY State Department of Health, Albany, NY
Replication in a Box
- 4:30-5:00 **Lorena Beese**, Duke University, Raleigh-Durham, NC
Genesis and Repair of DNA Replication Errors
- 5:00-5:30 **Janice Pata**, Wadsworth Center, NY State Department of Health, Albany, NY
How the Y-family Polymerases Create Deletion Mutations
- 5:30-6:30 Break before dinner
Shuttles available to Omni Hotel
- by 6:30 Walk to Jonathan Edwards College
69 High Street [walking directions in registration packet]
- 6:30 Cocktails at Jonathan Edwards College
courtyard/garden, weather permitting
- 8:00 Dinner JE Dining Hall
- 9:00-11:00 Evening speakers (reminiscences) and entertainment

Saturday, June 25

7:45-8:30 a.m.

Registration outside SCL 110 lecture hall
Pastries, bagels, coffee, tea, juice

8:30 a.m.-12:00 p.m. Morning Scientific Session - SCL 110

- 8:30-9:00 **Carl Correll**, Rosalind Franklin University of Medicine, Chicago, IL
RNA Chaperone Activity in Ribosome Biogenesis
- 9:00-9:30 **Robert Fletterick**, University of California, San Francisco, CA
Interactions of a Nuclear Receptor that Reprograms Cell Fate
- 9:30-10:00 **Stephen Smerdon**, National Institute for Medical Research, London, UK
Phospho-dependent molecular assemblies in DNA-damage signaling: You cannot pSer-ious!
- 10:00-10:30 Break (outside SCL lecture hall)
- 10:30-11:00 **Yousif Shamoo**, Rice University, Houston, TX
Nothing in Evolution Makes Sense Except in the Light of Biophysics
- 11:00-11:30 **Mark Sanderson**, Kings College London, UK
Structural Insight into the DNA and Drug-DNA Bound Complexes of Type II Topoisomerase
- 11:30-12:00 **Paul Freemont**, Imperial College, London, UK
The p97 AAA ATPase as a Global Regulator of Eukaryotic Protein Turnover
- 12:00-12:15** **Group photo on steps of Bass**
12:15-2:00 **Lunch in the KBT courtyard (tent) and more photo-ops**

2:00 p.m.- 5:00 p.m. Afternoon Scientific Session - SCL 110

- 2:00-2:30 **Nenad Ban**, ETH, Zurich, CH
Structure of the 40S Eukaryotic Ribosomal Subunit in Complex with Initiation Factor 1
- 2:30-3:00 **Venki Ramakrishnan**, MRC LMB, Cambridge, UK
Induced Fit: A Common Theme in Decoding, Termination and Peptidyl Transfer
- 3:00-3:30 **T. Martin Schmeing**, McGill University, Montreal, CAN
Structures of the Ribosome with EF-Tu and Aminoacyl-tRNAs
- 3:30-4:00 Break (outside SCL lecture hall)
- 4:00-4:30 **Joseph Ippolito**, Rib-X Pharmaceuticals, Inc., New Haven, CT
Exploiting the Ribosome Structure for the Design of Next Generation

Antibiotics

- 4:30-5:00 **Satwik Kamtekar**, Pacific BioSciences, Menlo Park, CA
Engineering Polymerases for Single Molecule Real Time Sequencing Applications
- 5:00-5:30 *Closing Comments: Thomas Steitz*
- 5:30-7:00 Shuttle / walk to hotel(s) to change for dinner
Walk to Union League
- 7:00 Cocktails at the Union League Café (2nd floor, 1032 Chapel St.)
8:30-11:00 Dinner at the Union League Café
- [11:00-? Nightcaps at Omni (?)]

Sunday, June 26

For those with later flights.....

Brunch on the beach...at Stony Creek....