

## PRELIMINARY PROGRAM

**Symposium Organizers:** Doug Barrick (*Johns Hopkins University*) and Leemor Joshua-Tor (*Cold Spring Harbor Laboratory*)  
**Academic Liaison:** José Onuchic (*University of California, San Diego*)

**Symposium Sponsors (as of May 23, 2008):**

Abbott Laboratories • Bio-Rad Laboratories • Eli Lilly & Company • Genentech • Hoffmann-La Roche  
Merck Research Laboratories • QIAGEN, Inc.

**REGISTRATION:** Friday (2:00pm-5:00pm), Saturday-Sunday-Monday (7:30am-5:00pm), and Tuesday (7:30am-3:45pm)

## Saturday, July 19

8:00am – 12:00pm	<b>Concurrent Morning Symposia 1: Intrinsically Disordered Proteins</b> Chair: Lisa Miller ( <i>Brookhaven National Laboratory</i> ) • Speakers: Keith Dunker ( <i>Indiana Univ Sch of Med</i> ), Gilad Haran ( <i>Weizmann Inst of Science</i> ), Rohit Pappu ( <i>Washington Univ-St Louis</i> ), Jane Dyson ( <i>The Scripps Res Inst</i> ), Young Investigators: Wing-Yiu Choy ( <i>Univ of Western Ontario</i> ), Veena Venkatachalam ( <i>MIT</i> )
8:00am – 12:00pm	<b>Concurrent Morning Symposia 2: Proteomics [sponsored by Merck Research Laboratories]</b> Chair: Forest White ( <i>MIT</i> ) • Speakers: John Yates ( <i>The Scripps Res Inst</i> ), Claude Lechene ( <i>Harvard Univ</i> ), Natalie Ahn ( <i>Univ of Colorado, Boulder</i> ), Brian Chait ( <i>The Rockefeller Univ</i> ), Young Investigators: Tabettha Bonacci ( <i>Eli Lilly &amp; Company</i> ), John McLean ( <i>Vanderbilt Univ</i> )
1:00pm – 4:00pm	<b>Concurrent Afternoon Symposia 3: Amyloid Structure and Formation: From Test Tubes to Cells and Tissues</b> Chair: Rohit Pappu ( <i>Washington Univ-St.Louis</i> ) • Speakers: Ronald Wetzel ( <i>Univ of Pittsburgh</i> ), Lisa Miller ( <i>Brookhaven National Laboratory</i> ), Devarajan Thirumalai ( <i>Univ of Maryland, College Park</i> ), Avijit Chakrabarty ( <i>Univ of Toronto</i> ), Young Investigator: Christopher Stanley ( <i>Oak Ridge National Laboratory</i> )
1:00pm – 4:00pm	<b>Concurrent Afternoon Symposia 4: Signal Transduction Networks as Molecular Machines: Implications for Drug Discovery</b> Chair: Preston Hensley ( <i>Pfizer Global R&amp;D</i> ) • Speakers: Forest White ( <i>MIT</i> ), Doug Lauffenburger ( <i>MIT</i> ), Frank Doyle ( <i>Univ of California, Santa Barbara</i> ), Zhong-Yin Zhang ( <i>Indiana Univ Sch of Med</i> ), Young Investigator: Kallol Ray ( <i>Harvard Med Sch</i> )
4:00pm – 5:00pm	<b>CV/Resumé Writing Workshop</b>
5:00pm – 9:00pm	<b>Poster Viewing Open</b>
5:00pm – 7:30pm	<b>AWARDS PLENARY SESSION 1</b> <b>The Carl Brändén Award</b> [sponsor: <i>Rigaku Corporation</i> ] • Awardee: Howard Schachman ( <i>UC, Berkeley</i> ) Presenter: Paul Swebston ( <i>President &amp; CEO, Rigaku Americas Corporation</i> ) <b>The Dorothy Crowfoot Hodgkin Award</b> [sponsor: <i>Genentech</i> ] • Awardee: Douglas Rees ( <i>California Inst of Technology</i> ) Presenter: Wayne Fairbrother ( <i>Genentech</i> ) <b>The Hans Neurath Award</b> [sponsor: <i>The Hans Neurath Foundation</i> ] • Awardee: Robert Stroud ( <i>UC, San Francisco</i> ) Presenter: Arthur Palmer, III ( <i>President, The Protein Society</i> ) <b>The Christian B. Anfinsen Award</b> [sponsor: <i>The Aviv Family Foundation</i> ] • Awardee: Carol Robinson ( <i>Univ of Cambridge</i> ) Presenter: Jack Aviv ( <i>The Aviv Family Foundation</i> )
7:30pm – 8:30pm	<b>Opening Reception</b>

## Sunday, July 20

7:00am – 8:00am	<b>Informal Career Discussions</b>
7:30am – 8:00am	<b>New Members Welcome Breakfast</b>
7:30am – 6:00pm	<b>Poster Viewing Open</b>
8:00am – 12:00pm	<b>Concurrent Morning Symposia 5: Protein Folding</b> Chair: Laura Itzhaki ( <i>Hutchison MRC Res Ctr</i> ) • Speakers: Jane Clarke ( <i>Univ of Cambridge</i> ), Angel Garcia ( <i>Rensselaer Polytechnic Inst</i> ), Patricia Jennings ( <i>Univ of California, San Diego</i> ), Dennis Discher ( <i>Univ of Pennsylvania</i> ), Young Investigators: Erik Martinez-Hackert ( <i>Columbia Univ</i> ), Dawei Li ( <i>Florida State Univ</i> )
8:00am – 12:00pm	<b>Concurrent Morning Symposia 6: Forefronts of Structure Determination</b> Chair: Rhett Kovall ( <i>Univ of Cincinnati</i> ) • Speakers: Daniela Nicastro ( <i>Brandeis Univ</i> ), Holger Stark ( <i>Max-Planck Inst for Biophys Chem</i> ), Tracy Nixon ( <i>The Pennsylvania State Univ</i> ), Bill Weis ( <i>Stanford Univ Sch of Med</i> ), Young Investigators: Siyang Sun ( <i>Purdue Univ</i> ), Susie Dai ( <i>Oak Ridge National Laboratory</i> )
10:00am – 4:00pm	<b>Exhibit Area Open</b>
1:00pm – 2:30pm	<b>Educators Luncheon/Workshop: Surface Plasmon Resonance [sponsored by QIAGEN, Inc and Bio-Rad Labs]</b>
1:00pm – 3:00pm	<b>Poster Session 1</b>
1:30pm – 3:00pm	<b>Graduate Program Fair</b>
3:00pm – 6:00pm	<b>Concurrent Afternoon Symposia 7: Protein Design</b> Chair: Jane Dyson ( <i>The Scripps Res Inst</i> ) • Speakers: Amy Keating ( <i>MIT</i> ), Celia Schiffer ( <i>Univ of Mass Med Sch</i> ), Alanna Schepartz ( <i>Yale Univ</i> ), Brian Kuhlman ( <i>Univ of North Carolina at Chapel Hill</i> ), Young Investigator: Roberto Chica ( <i>CalTech</i> )
3:00pm – 6:00pm	<b>Concurrent Afternoon Symposia 8: Membrane Proteases</b> Chair: William Weis ( <i>Stanford Univ Sch of Med</i> ) • Speakers: Steve White ( <i>Univ of California-Irvine</i> ), Sinisa Urban ( <i>Johns Hopkins Univ</i> ), Ya Ha ( <i>Yale Univ Sch of Med</i> ), Susan Buchanan ( <i>NIDDK, NIH</i> ), Young Inv: M. Joanne Lemieux ( <i>Univ of Alberta</i> )
6:00pm – 8:00pm	<b>Education Committee Meeting &amp; Mixer</b>



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7:00am – 8:00am	<b>Informal Career Discussions</b>
7:30am – 8:00am	<b>Members Business Meeting</b>
7:30am – 6:00pm	<b>Poster Viewing Open</b>
8:00am – 12:00pm	<b>PLENARY SESSION 1: Nucleic Acid Motors</b> Chair: Arthur Horwich ( <i>Yale Sch of Med-HHMI</i> ) • Speakers: Steve Block ( <i>Stanford Univ</i> ), Rob Phillips ( <i>California Inst of Technology</i> ), Taekjip Ha ( <i>Univ of Illinois at Urbana-Champaign – HHMI</i> ), Thomas Steitz ( <i>Yale Univ</i> ), George Oster ( <i>Univ of California, Berkeley</i> )
10:00am – 4:00pm	<b>Exhibit Area Open</b>
12:30pm – 2:00pm	<b>NEW! Behind the NIH Study Section Door: A Mock Review Panel</b>
1:00pm – 3:00pm	<b>Poster Session 2</b>
3:00pm – 6:00pm	<b>Concurrent Afternoon Symposia 9: New Methods for Engineering Recognition</b> Chair: Jim Wells ( <i>UCSF</i> ) • Speakers: Stephen Johnston ( <i>Arizona State Univ</i> ), Andreas Plückthun ( <i>Univ of Zurich</i> ), Sachdev Sidhu ( <i>Genentech, Inc</i> ), Virginia Cornish ( <i>Columbia Univ</i> ), Young Investigator: Adam Silverman ( <i>Stanford Univ</i> )
3:00pm – 6:00pm	<b>Concurrent Afternoon Symposia 10: Biofuels from a Protein Science Perspective</b> Chair: Jamie Doudna Cate ( <i>Univ of California, Berkeley</i> ) • Speakers: Jay Keasling ( <i>Univ of California, Berkeley</i> ), Blake Simmons ( <i>Sandia National Laboratories</i> ), Edward Bayer ( <i>Weizmann Inst of Science</i> ), David Wilson ( <i>Cornell Univ</i> )
6:00pm – 8:00pm	<b>Career &amp; Networking Committee Meeting &amp; Mixer</b>

**Tuesday, July 22**

7:00am – 3:30pm	<b>Poster Viewing Open</b>
8:00am – 12:00pm	<b>Concurrent Morning Symposia 11: Allosteric Control and Conformational Changes</b> Chair: Stephen Johnston ( <i>Univ of Arizona</i> ) • Speakers: Jim Wells ( <i>Univ of California, San Francisco</i> ), Vincent Hilser ( <i>Univ of Texas Med Branch</i> ), Elisar Barbar ( <i>Oregon State Univ</i> ), Satoshi Murakami ( <i>Osaka Univ</i> ), Young Investigator: Rüdiger Ettrich ( <i>Univ of South Bohemia and Acad of Sci, Czech Republic</i> )
8:00am – 12:00pm	<b>Concurrent Morning Symposia 12: Systems Biology</b> Chair: Susan Marqusee ( <i>Univ of California, Berkeley</i> ) • Speakers: Pablo Iglesias ( <i>Johns Hopkins Univ</i> ), Tom Pollard ( <i>Yale Univ</i> ), Elizabeth Komives ( <i>Univ of California, San Diego</i> ), Josh LaBaer ( <i>Harvard Med Sch</i> ), Young Investigator: James Bruce ( <i>Washington State Univ</i> )
10:00am – 4:00pm	<b>Exhibit Area Open</b>
12:30pm – 1:30pm	<b>Career Panel</b>
1:00pm – 3:00pm	<b>Poster Session 3</b>
1:30pm – 3:30pm	<b>Undergraduate Student Research Session</b>
4:00pm – 6:30pm	<b>AWARDS PLENARY SESSION 2</b> <b>The Emil Thomas Kaiser Award (2007)</b> [sponsor: <i>The Protein Society</i> ] Presenter: Arthur Palmer, III ( <i>President, The Protein Society</i> ) • Awardee: Michael Marletta ( <i>UC, Berkeley</i> ) <b>The Emil Thomas Kaiser Award (2008)</b> [sponsor: <i>The Protein Society</i> ] Presenter: Arthur Palmer, III ( <i>President, The Protein Society</i> ) • Awardee: JoAnne Stubbe ( <i>MIT</i> ) <b>The Irving Sigal Young Investigator Award</b> [sponsor: <i>Merck Research Laboratories</i> ] Presenter: James Schaeffer ( <i>Merck Research Laboratories</i> ) • Awardee: Jamie Doudna Cate ( <i>UC, Berkeley</i> ) <b>The Stein and Moore Award</b> [sponsor: <i>The Merck Company Foundation</i> ] Presenter: James Schaeffer ( <i>Merck Research Laboratories</i> ) • Awardee: Susan Lindquist ( <i>Whitehead Inst for Biomed Res</i> )
7:30pm – 10:00pm	<b>Awards Reception &amp; Banquet</b> Speaker: Jane Richardson ( <i>Duke Univ</i> ) <b>Presentation of the Eli Lilly &amp; Company Awards for Best Student Posters</b> [sponsored by <i>Eli Lilly &amp; Company</i> ] Award Presenter: Bryan Jones ( <i>Eli Lilly &amp; Company</i> ) <b>Recognition of the Undergraduate Student Presentations</b>

**Wednesday, July 23**

8:00am – 8:30am	<b>FASEB Excellence in Science Award (2007)</b> [sponsored by <i>Eli Lilly &amp; Company</i> ] Award Presenters: Mary-Ann Campbell ( <i>Eli Lilly &amp; Company</i> ) and Mark Lively for FASEB ( <i>Wake Forest Univ Sch of Med</i> ) • Awardee: Frances Arnold ( <i>California Inst of Tech</i> )
8:30am – 12:00pm	<b>PLENARY SESSION 2: Protein Motors</b> Chair: Douglas Rees ( <i>California Inst of Technology</i> ) • Speakers: José Onuchic ( <i>Univ of California, San Diego</i> ), Arthur Horwich ( <i>Yale Sch of Med-HHMI</i> ), Helen Saibil ( <i>Birkbeck College London</i> ), Edward Egelman ( <i>University of Virginia</i> ), Robert Sauer ( <i>MIT</i> )

