

**Third Annual Meeting  
The Alliance for Cellular Signaling  
Pasadena, CA May 18-21, 2003**

**Arrival: Sunday, May 18<sup>th</sup>**

7:30 – 9:30PM Reception at the Westin Pasadena, 191 North Los Robles, Pasadena, CA. Courtyard/Plaza, Main Level

**All sessions will be held on the campus of the California Institute of Technology,  
Beckman Institute Auditorium**

**Monday, May 19**

**Shuttles will depart the Westin for Cal Tech every 15-20 minutes between 7 & 7:45 AM. Meet the shuttles at the Main Entrance to the hotel.**

**7:15-8:00 Continental Breakfast, Courtyard/Plaza, Beckman Institute**

**8:00-8:45 Introduction** Al Gilman

**8:45-10:15 Single ligand screen in B cells**

8:45-9:00 Goals and plans for the ligand screen experiments Elliott Ross

9:00-9:20 Single ligand screen: What did we do; what did we learn about protocols, ligands, and cells? Signaling experiments (5 min. for questions) Rama Ranganathan

9:25 – 9:50 Single ligand screen: What did we do; what did we learn about protocols, ligands, and cells? Microarray experiments (5 min. for questions) Mel Simon

**9:55-10:25 Break**

**10:25-10:50 Double ligand screen in B cells**

10:25-10:50 Double ligand screen: experimental design and initial patterns of interaction (for 5 min. questions)

Paul Sternweis

10:55-11:15 Analysis and results of double ligand screen data (5 min for questions)

Rama Ranganathan

11:20-11:50 Discussion

11:50-12:00 What comes next

Elliott Ross

**12:00-1:00 Lunch. Courtyard/Plaza, Beckman Institute**

<b>1:00-2:30</b>	<b>Other ongoing measurements. Consider relationship with ligand screen. How much should be done now; how much should be deferred? Consider use of ligand cocktails rather than individual treatments.</b>	
1:00-1:30	Phospholipids and potential interactions with LIPID MAPS project	Alex Brown
1:30-2:00	Protein location and translocation; domain translocation. Dominant negatives and constitutively actives now or later?	Tobias Meyer
2:00-2:30	Ligand-stimulated protein phosphorylation. Antibodies and other techniques. Tyr vrs. Ser/Thr. Target-specific vrs. non-specific.	Susanne Mumby/ Marc Mumby

**2:30-3:00 Break**

**3:00-4:30 Other ongoing measurements (continued): Protein-protein interactions**

3:00-3:30	Yeast two hybrid	Iain Fraser
3:30-4:00	Protein complementation assays	Steve Michnick
4:00-4:30	Pull-downs	Paul Sternweis/ Marc Mumby

**4:30 – 5:30 Breakouts**

Collaborators with AfCS Laboratories, Main Auditorium  
Data analysis group, 121 Beckman Institute  
Editorial Board, 115 Beckman Institute  
External Advisory Committee, 201 Braun  
Steering Committee, 228 Beckman Institute  
Others: Free time and poster preparation

**Shuttles between the hotel and the meeting will be available from 4:30 – 6:30**

**5:30-7:00 Posters and Beer, Courtyard/Plaza, Beckman Institute**

**7:00 Dinner, Courtyard/Plaza, Beckman Institute**

**Shuttles will run between the campus and hotel from 8:30 – 9:30 PM**

**Tuesday, May 20**

**Shuttles will depart the Westin for Cal Tech every 15-20 minutes between 7 & 7:45. Meet the shuttles at the Main Entrance to the hotel**

**7:15-8:00 Continental breakfast, Courtyard/Plaza, Beckman Institute**

**8:00-8:20 Criteria for choice of an additional cell system** Ron Taussig

<b>8:20-9:15</b>	<b>The Macrophage</b>	<b>Kelly Smith and general discussion</b>
<b>9:15-10:10</b>	<b>AfCS Experimental observations on new candidate cell lines, Pt. 1</b>	
9:15-9:30	Transfection	Deirdre Brekken
9:30-9:35	Infection	Tamara Roach
9:35-9:45	Microscopy	Grischa Chandy
9:45-10:10	RNAi	Iain Fraser
<b>10:10 – 10:40</b>	<b>Break</b>	
<b>10:40 – 11:30</b>	<b>AfCS Experimental observations on new candidate cell lines, Pt. 2</b>	
10:40-10:55	Transcript analysis	Sangdun Choi
10:55-11:05	cAMP & calcium responses	Robert Hsueh
11:05-11:10	Phosphoproteins	Heping Han
11:10-11:30	Summary, discussion, & questions	
<b>11:30-12:00</b>	<b>Parts List Database</b>	Mel Simon
	Problem of Isoform Specificity	David Fruman
	Parts List, Database, Isoform Detection	Shankar Sumbramaniam
<b>12:05-1:30</b>	<b>Lunch. Courtyard/Plaza, Beckman Institute</b>	
<b>1:30-2:20</b>	<b>Using databases and extracting pathways from AfCS Data</b>	Shankar Subramaniam
<b>2:20-2:50</b>	<b>I. Extracting pathway information from experimental data and databases</b>	Bruce Conklin
<b>2:50 – 3:20</b>	<b>Break</b>	
<b>3:20-3:50</b>	<b>II. Extracting pathways</b>	Adam Arkin
<b>3:50-4:30</b>	<b>III. Inferring interactions and pathways from genomic and microarray data</b>	David Eisenberg
<b>4:30</b>	<b>Breakouts</b>	
	Steering Committee with External Advisory Committee, 115 Beckman Inst.	
	Others: Free time	
	<b>Shuttles between the hotel and the meeting will be available from 4:30 – 6:00</b>	
<b>6:00</b>	<b>Reception/Dinner, The Athenaeum, Cal Tech Campus</b>	
	<b>Shuttles will run between the campus and hotel between 4:30 and 6:00 PM and 8:30 and 9:30 PM</b>	

**Wednesday, May 21**

**Shuttles will depart the Westin for Cal Tech every 15-20 minutes between 7:45 & 8:30. Meet the shuttles at the Main Entrance to the hotel**

**8:00-8:30 Continental Breakfast**

**8:30-9:30 Molecule Page Database Demonstration** Pat Casey/Ron Taussig

**9:30-11:00 General Discussion**  
Prioritization/work plan led by Steering Committee  
FPM plans: Bourne

**Please check in at registration desk for information regarding transportation to airports.**