Arrival: Sunday, May 5

8:00-10:00 PM: Reception at the Wyndham Anatole Hotel

All sessions will be held on the campus of The University of Texas Southwestern Medical Center, North Campus Auditorium, NB Building.

Monday, May 6

Buses will depart the Anatole for U.T. Southwestern every 15 minutes each morning between 7:30 and 8:15 AM

8:00 – 8:30 Continental Breakfast

Introductions and Overviews

8:30-9:15 Introduction; Review of Goals and Past Year; Needs and Projections for Next Year
Introduction; Review of Goals and Past Year; Needs and Projections for Next Year
Al Gilman

9:15-9:45 B Cell Biology – From Signals to Antibodies
B Cell Biology – From Signals to Antibodies
Jason Cyster

9:45-10:15 The State of AfCS B Cells and WEHI-231 Cells; The First Glimpse at the Single Ligand Screen
The State of AfCS B Cells and WEHI-231 Cells; The First Glimpse at the Single Ligand Screen
Henry Bourne

10:15-10:45 Break

10:45-11:15 Cardiac Myocytes: To Go or Not To Go
Cardiac Myocytes: To Go or Not To Go
Jim Stull

AfCS Laboratory Presentations

11:15-12:00 Cell Preparation and Analysis Laboratory
Ligand screen, Ca^{2+} and cAMP Data: Analysis and Presentation; Protein-Protein Interactions
Cell Preparation and Analysis Laboratory
Paul Sternweis

12:00-1:00 Lunch

1:00-1:45 Assay Development Laboratory
Long-Term B Cell Culture; Properties of Myocytes
Assay Development Laboratory
Bill Seaman

Paul Simpson
1:45-2:30  *Molecular Biology Laboratory*  
DNA Microarrays: Analysis and Presentation; RNAi; Y2H Screen; Cloning Projects

Mel Simon

2:30-3:00  Break

3:00-3:45  *Protein Chemistry Laboratory*  
2D-Phosphoprotein Gels; Identification of Phosphorylation Sites; Protein-Protein Interactions

Marc Mumby

Buses will depart U.T. Southwestern for the Anatole Hotel every 15 minutes between 4:00 and 5:30 PM

Breakout Sessions

3:45-  B Cell Committee with Lab Directors/Scientists (NB2.402)  
Myocyte Committee (NA2.130)  
Steering Committee (NB2.306)  
External Advisory Committee (NB2.418)  
Editorial Committee (NB2.403)

6:30  Group Dinner: Texas Book Depository/The Sixth Floor Museum at Dealey Plaza  
(411 Elm Street; 214-747-6660). Buses will depart the Anatole at 6:15 and 6:40 for the Sixth Floor Museum and will return at 9:15 and 9:40.

**Tuesday, May 7**  
Bus Service to U.T. Southwestern will be provided as described above.

8:00 - 8:30  Continental Breakfast

8:30-9:00  *Microscopy Laboratory*  
Markers and Translocations; WEHI Selection and Cloning

Tobias Meyer

9:00-9:30  *Antibody Laboratory*  
Immunoblots: Analysis and Presentation

Susanne Mumby

**Bridging Project Presentations**

9:30-10:00  Data Modeling and Network Analysis  
Adam Arkin  
John Doyle

10:00-10:30  A Microfabricated Dynamic Array Cytometer  
Martha Gray
10:30-11:00 Break

11:00-11:30 Genetically Encoded Indicators of Phosphorylation Protein Interactions
Roger Tsien

11:30-12:00 Cardiogenic Stem Cells for Signaling Studies
Eric Olson

12:00-1:00 Lunch

1:00-1:30 Monitoring Plasma Membrane Signaling Events by Evanescent Wave Microscopy
Tobias Meyer

1:30-2:00 High Throughput Parallel Analysis of Multiple Cellular Lipids by Mass Spectrometry
Alex Brown

**Focus on PIP3 Modules**

2:00-2:45 Signaling via PI 3-Kinase
Lew Cantley

2:45-3:15 Break

3:15-3:45 The PIP3 Focus Project
Henry Bourne

**Breakout Sessions**

3:45-
- Myocyte Committee with Lab Directors/Scientists (NB2.402)
- B Cell Committee (NA2.130)
- Steering Committee with External Advisory Committee (NB2.306)

**Bus service will be provided to dinner or the hotel. Details will be forthcoming.**

**Dinner To Be Announced**

**Wednesday, May 8**
Bus service to U.T. Southwestern will be provided as described above.

8:00 – 8:30 Continental Breakfast

**Data Analysis Beyond the First Pass**

8:30-9:00 Experimental and Computational Challenges
Rama Ranganathan

9:00-9:30 Analyzing Large-Scale Expression Data to Reveal Overlapping and Context-Dependent Coregulation
Naama Barkai
9:30-10:00  Fusion of Different Types of Data; Adam Arkin
            Pathway Bioinformatics

10:00-10:30  Break

Tutorial Sessions: The Approach to DNA Microarrays

10:30-12:00  To Be Announced  Mel Simon et al.

12:00-1:00  Lunch

The AfCS Bioinformatics Laboratory and the Signaling Gateway

1:00-2:00  The AfCS Bioinformatics Laboratory: Shankar Subramaniam
            Data Analysis and Presentation
            The Molecule Page Database

2:00-2:45  The AfCS/Nature Signaling Gateway  Richard Gallagher
            Timo Hannay
            Bernd Pulverer

3:00  Transportation to Airport. Buses will depart at scheduled intervals on Wednesday. A
      schedule will be available at the conference site.