

# 5th SW P450 Meeting

May 8-10, 2006

Welcome! Our fourth SW P450 Meeting at Camp Allen was intended to be a casual "retreat-like" meeting where we exchanged ideas both scientific and social, as well as enjoyed the surroundings.

## MEETING SCHEDULE

### **Monday Evening, May 8, 2006**

6:00 – 7:00 Dinner

*Regulation and Physiology and ....*  
*Chair: Sandy Graham*

7:20 – 7:30 Welcome

7:30-8:00 Lepasava Antonovic  
U.T. Medical School, Houston  
A Physiological Role of  
Cytochromes P450 4Fs: Mouse  
Model

8:00 – 8:30 Puneet Chowdhary  
UT Dallas, Richardson  
Are Bacterial Fusion P450's  
(CYP102's ) Involved in  
Quorum Quenching Pathways?

8:30 – 9:00 Wayne Backes  
LSU Health Science Ctr  
Katrina - Research Loss and  
Recovery

9:10 Refreshments

### **Tuesday May 9, 2006**

7:30 – 9:00 Breakfast

*Mechanisms and Biophysics*  
*Chair: Bill Peterson*

9:00 – 9:30 Reuben Peters  
Iowa State University Ames  
Investigating the multiply  
reactive nature of kaurene  
oxidase

9:30 – 10:00 John Dawson  
U of South Carolina  
Intermediates of wild type and  
the Y96F variant of ferric  
cytochrome P450cam in the  
reaction with peracids

10:00 – 10:30 Dmitri Davydov  
UTMB, Galveston  
Allosteric Mechanisms in  
cytochrome p450 interactions  
with substrates: P450 3A4 vs.  
P450eryF

10:30 – 10:45 Break

*Investigation Using Novel Methods*  
*Chair: Craig Marcus*

10:45 – 11:15 Santosh Kumar  
UTMB, Galveston  
Use of Directed Evolution of  
Mammalian Cytochromes P450  
for Investigating the Molecular  
Basis of Enzyme Function and  
Generating Novel Biocatalysts

11:15 – 11:45 Rob Reed  
LSUHSC, New Orleans  
Protein Incorporation into  
membranes

12:00 – 1:00 Lunch in cafeteria

1:00 – 2:00 Meeting for P450 Society  
All welcome

1:00 - 4:45 Free Time  
Many Activities available.  
See Front Desk

*Keynote Presentation*  
*Introduction by Jim Halpert*

4:45 – 5:45 C.S. Raman  
U.T. Medical School, Houston  
Structural mechanism for  
Prostacyclin Biosynthesis

6:00 - 8:00 Hayride and Chuck Wagon  
Dinner  
(steak and many vegetables)

8:00 till .... refreshments and posters

**Wednesday May 10, 2006**

7:30 – 9:00 Breakfast

*Substrate Protein Interactions*  
*Chair: Emily Scott*

9:00 – 9:30 Grazyna D. Szklarz  
West Virginia University  
Application of molecular  
modeling to study P450  
function

9:30 – 10:00 Bilikalahalli Muralidhara  
UTMB, Galveston  
Isothermal titration calorimetry  
in studying P450 ligand  
interactions

10:00 – 10:30 Shak Narasimhulu  
University of Pennsylvania  
Cytochrome P450 Active Site is  
Comprised of Two Different  
Interacting Sub\_Sites (Kinetic  
Studies with C334A P450cam  
& P4502B4)

10:30 – 10:45 Break

*Complex Problems*  
*Chair: Irina Pikuleva*

10:45 – 11:15 Chris Marohnic  
UTHSC San Antonio  
FAD-deficient CYPOR results  
from the Antley-Bixler  
syndrome mutations Y459H  
and V492E

11:15 – 11:45 Grover Miller  
U of Arkansas for Medical  
Sciences  
CYP2E1 and CPR: How  
complex is the complex

12:00 lunch and leave