



Southwest P450 Meeting
 May 21 - 23, 2001
Camp Allen, Navasota, Texas

updated 7/30/2001
 and final version.

FIRST SOUTHWEST P450 MEETING!

This meeting was intended to be a casual "retreat-like" meeting where we exchanged ideas both scientific and social, as well as enjoyed the surroundings. The program is listed below.

PROGRAM:

Arrival Monday Evening:

6:00 - 7:00 Dinner

7:00 - 7:10 Welcome and Opening session
chaired by Jim Halpert

7:10 - 7:40 Jack Omdahl
UNM, Albuquerque, NM
"Hormonal Regulation of Rat P450
24c Expression"

7:40 - 8:00 Shuxin Zhang
LSU, New Orleans, LA
"Possible Involvement of Thyroid
Hormone in EB-mediated Hepatic
CYP2C11 Suppression in the Rat"

8:00 - 8:30 Charlie Fischer
TT, Amarillo, TX
"Engineering Multiple Forms of
Cytochrome P450 in a Single
Bacteria"

8:30 - 8:50 Emily Scott UTMB, Galveston, TX
"A Truncation of 2B Family
cytochrome P450s"

8:50 till ... Get together

7:10 - 7:40 John Omdahl
"Regulation of Expression of P450
24c"

Tuesday:

7:30 - 9:00 Breakfast

"Substrate Specificity, Binding and Interactions"
part 1 chair: Mike Waterman

9:00 - 9:05 Good Morning

9:05 - 9:35 Bill Peterson
UTSWMC, Dallas, TX
"Structural Changes In P450BMP
During the Catalytic Cycle"

9:35 - 9:55 Donovan Haines
UTSWMC, Dallas, TX
"Structure of a P450BM-3/substrate
complex reveals an increased role
for the axial water ligand"

9:55-10:15 Qinmi Wang
UTMB, Galveston, TX
"Homology Modeling of Cytochrome
P450 2B6 and Quantitative Structure
Activity Relationship Analysis ..."

10:15-10:30	Break	4:20 - 4:40	Margit Spatzenegger UTMB, Galveston, TX "Amino Acid Residues Critical for Differential Inhibition of CYP2B4, CYP2B5, and CYP2B1 by Phenylimidazoles"
<i>"Substrate Specificity, Binding and Interactions"</i> part 2 chair: Bill Peterson		4:40 - 5:00	Break
10:30-11:00	Gary Mather CEDRA Corp, Austin, TX "Enhancing Predictability of Drug/Drug Interactions"	<i>"P450 Discovery Biology"</i> chair: Jack Omdahl	
11:00-11:30	Irina Pikuleva UTMB, Galveston, TX "Complex Mechanism for Substrate Specificity of Cholesterol Metabolizing P450s 27A1 and 7A1"	5:00 - 5:30	Craig Marcus UNM, Albuquerque, NM "Endogenous Substrates of CYP1B"
11:30-12:00	Rich Auchus UTSWMC, Dallas, TX "Structure-Function Studies of Human P450s c17 and c21"	5:30 - 6:00	Sandra Graham UTSWMC, Dallas, TX "Modeling of P450 _{scc} /Adx Interactions"
12:00 - 1:30	Lunch	6:00 - 7:00	Dinner
1:30 - 3:00	Free Time	<i>Evening Presentation -- Introduced by Bill Peterson</i>	
1:30	Organizational Meeting open to everyone	7:00 - 8:00	Ron Estabrook UTSWMC, Dallas, TX "As It Was In the Beginning"
<i>"Substrate Specificity, Binding and Interactions"</i> part 3 chair: Craig Marcus		8:00 till	Poster Session and "Refreshments"
3:00 - 3:30	Jim Halpert UTMB, Galveston, TX "Structural Basis of CYP3A4 Cooperativity"	Wednesday:	
3:30 - 3:50	Yekaterina "Katya" Bobrovnikova UNM, Albuquerque, NM "Expression, Purification, and Site- Directed mutagenesis of Recombinant Rat CYP24"	7:30 - 9:00	Breakfast
3:50 - 4:20	Alan Conley UC Davis, Davis, CA "Chimeric versus Site-directed Mutagenesis Approaches to Structure-Function Studies of Aromatase"	<i>"Reductase Binding, Interactions, and Mechanisms"</i> part 1 chair: Bettie Sue Masters	
		9:00 - 9:30	Ron Estabrook UTSWMC, Dallas, TX "The Uniqueness of the Membrane- Spanning Segment of CPR and b ₅ "
		9:30 - 10:00	Waynes Backes LSU, New Orleans, LA "Interactions Among Reductases and Multiple P450s"
		10:00-10:20	Dawn Harris UTHSC, San Antonio, TX "A Study of the Reductase Domains of the Constitutive Nitric Oxide Synthases"
		10:20-10:35	Break

"Reductase Binding, Interactions, and Mechanisms"
part 2 chair: Yuzuru Ishimura

10:35-11:05 Linda Roman
UTHSC, San Antonio, TX
"Characterization of CYP4A Rabbit
Isoforms: Effects of Cyt b₅"

11:05-11:25 Manisha Gupta
UTSWMC, Dallas, TX
"P450c17 Mutation F417C Does Not
Cause Isolated 17,20-Lyase
Deficiency"

11:25-11:55 Sergey Usanov
National Academy of Sciences,
Minsk, Belarus
"Interaction of Cytochrome P450sc
with Adrenodoxin studied by site-
directed mutagenesis and molecular
modeling"

11 :55-12 :00 Farewell

12:00 - 1:30 Lunch and Departure