



**Center of Biomedical Research Excellence (COBRE)  
in Protein Structure and Function  
External Advisory Committee Annual Meeting  
And Symposium  
September 24-25, 2009**

Meeting Sites:

September 24: Simons Auditorium, Simons Research Bldg., The University of Kansas  
West Lobby, Structural Biology Center, The University of Kansas

September 25: The Eldridge Hotel, Downtown Lawrence

**Thursday, September 24, 2009**

7:30-8:00	<b>Arrival and Refreshments</b>	<b>Simons Lobby</b>		
<b>Oral Presentations</b>		<b>Simons Auditorium, Simons Research Bldg.</b>		
8:00-8:30	Robert Hanzlik	Introductions and review of the COBRE Center		
8:30-9:00	James Bann	Structural characterization of the Anthrax toxin protective antigen		
9:00-9:30	Christopher Fischer	Remodeler translocation along DNA		
9:30-10:00	P. Scott Hefty	Mechanism and role of a novel Chlamydial transcriptional regulator		
10:00-10:30	Todd Holyoak	The role of dynamics in PEPCK mediated catalysis		
10:30-10:45	<b>Break</b>			
10:45-11:05	Roberto De Guzman	Interactions of Salmonella needle and tip proteins		
11:05-11:25	Wonpil Im	NMR and computational studies of protein translocation in bacterial needles		
11:25-11:45	Liang Tang	Signal transduction of two-component system		
Noon-1:00	<b>Break</b>			
1:00-1:20	Asokan Anbanandam	Biomolecular NMR Core Laboratory		
1:20-1:40	F. Philip Gao	Protein Production Group		
1:40-2:00	Scott Lovell	Protein Structure Core Laboratory		
2:00-2:15	Break and travel to the Structural Biology Center			
2:15-3:00	<b>One-on-One Conferences (First Session)</b>		<b>Structural Biology Center</b>	
2:00-3:00	Poster Session setup during this time			
	Gary Gilliland 1095 SBC	Carol Post 1084 SBC	Brian Matthews 1015 SBC	Stephen Sprang 1011 SBC
2:15-3:00				
3:00-4:30	<b>Poster Session</b>		<b>Structural Biology Center, West Lobby</b>	

**Friday, September 25, 2009**

7:30-9:00	<b>The Eldridge Hotel</b>
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**7:30-8:30 One-on-One Conferences (Second Session) TEN Restaurant, The Eldridge Hotel**

	Gary Gilliland	Carol Post	Brian Matthews	Stephen Sprang
7:30-8:30				

8:45-11:30 **COBRE-PSF Administrative Sessions Eldridge Hotel Conference Room**

8:45-10:00 External Advisory Committee and COBRE Administration (Drs. Hanzlik and Michaelis)

11:00-11:30 External Advisory Committee Executive Session

11:30 Adjourn



**University of Kansas**  
**NIH Center of Biomedical Research Excellence in**  
**Protein Structure and Function (SP20 RR017708)**  
**Lawrence, KS**  
**COBRE Participants**

**COBRE Investigators 2008-2011**

James Bann (WSU)	Structural characterization of the Anthrax toxin protective antigen Mentor: Jacob Schaefer, Washington University in St. Louis
Christopher Fischer (KU)	Remodeler translocation along DNA Mentor: Mark Richter, The University of Kansas
Scott Hefty (KU)	Mechanism and role of a novel Chlamydial transcriptional regulator Mentor: Susan Egan, The University of Kansas
Todd Holyoak (KUMC)	The role of dynamics in PEPCK mediated catalysis Mentor: Gerald Carlson, The University of Kansas Medical Center

**Pilot Project Directors 2008-2011**

Roberto De Guzman (KU)	Interactions of Salmonella needle and tip proteins
Wonpil Im (KU)	NMR and computational studies of protein translocation in bacterial needles
Liang Tang (KU)	Signal transduction of two-component system

**Pilot Project Directors 2009-2011**

John Karanicolas (KU-ARRA)	Toward novel inhibitors of OX40L-OX40: A dominant negative approach
Kristin Michel (KSU-ARRA)	Structure and target protease of <i>Anopheles</i> SRPN6, inhibitor of malaria parasite
Alexandro Moise (KU-ARRA)	Structural characterization of lecithin:retinol acyltransferase
Kandatege Wimalasena (WSU)	Structure-activity relationship studies of dopamine beta-monoxygenase

**External Advisory Committee**

Gary Gilliland	Centocor, Inc.
Brian Matthews	University of Oregon
Carol Post	Purdue University
Stephen Sprang	University of Montana

**Internal Advisory Board (formed 2005)**

Heather Desaire	The University of Kansas
Jeffrey Staudinger	The University of Kansas

**Core Laboratory Personnel and Steering Committees**

<b>Protein Production Group</b>	<b>Protein Structure Laboratory</b>	<b>Bio-NMR Laboratory</b>
Fei Philip Gao, Director	Scott Lovell, Director	Asokan Anbanandam, Director
<b><i>Steering Committee</i></b>	<b><i>Steering Committee</i></b>	<b><i>Steering Committee</i></b>
Rathnam Chaguturu	Emily Scott	Roberto De Guzman
P. Scott Hefty	Audrey Lamb	Jennifer Laurence
Liskin Swint-Kruse	Liang Tang	Mario Rivera
Mary Lou Michaelis	Marilyn Yoder	Mary Lou Michaelis
Robert Hanzlik	Mary Lou Michaelis	Robert Hanzlik
	Robert Hanzlik	
	Victor Day, Advisor	