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**Wednesday June 1, 2005- 7:00 pm-Dinner – PIs and Advisory Committee- Duff's Restaurant**  
**392 N. Euclid, 314-361-0522- Reservation-Pakrasi**

**Thursday June 2, 2005**

8:30 a	<b>BREAKFAST-</b>	Rebstock 309
9:00 a	<b>Himadri Pakrasi</b> Welcome and Science Introduction	Rebstock 309
9:20 a	<b>Ralph Quatrano</b> "Transcriptome Analysis of Stress Responses in <i>Physcomitrella</i> and <i>Arabidopsis</i> "	Rebstock 309
9:50 a	<b>Rajeev Aurora</b> "Reconstructing the <i>Synechocystis</i> Metabolic Network and the Effect of Redox on Metabolism"	Rebstock 309
10:20 a	<b>BREAK</b>	Rebstock 309
10:30 a	<b>John Quackenbush</b> "Analysis of Large Scale Gene Expression Datasets"	Rebstock 322
11:30 a	<b>Bijoy Ghosh-</b> "A Novel Approach to Gene Networking using Principal Components and Dynamic Systems Identification"	Rebstock 309
12:10 p	<b>LUNCH-</b>	Rebstock 309
1:10 p	<b>Louis Sherman-</b> "The role of redox chemistry in the regulation of the Manganese Stabilizing Protein of Photosystem II in Cyanobacteria"	Rebstock 322
1:55 p	<b>Yukako Hihara-</b> "Light intensity-dependent gene expression in <i>Synechocystis</i> 6803 is regulated by a small, redox modified, LuxR-type regulator"	Rebstock 309
2:25 p	<b>Kenneth Belanger</b> "Examination of the Role of Regulated Nuclear Transport in the Response to Oxidative Stress in <i>S. cerevisiae</i> "	Rebstock 309
3:00 p-	<b>Meeting with the Advisory Committee</b> Quackenbush, Sherman, Stormo,	Rebstock 309
4:00 p	Wiley; Aurora, Belanger, Ghosh, Hihara, Pakrasi, Quatrano, Smith.	
6:00 p	<b>Dinner</b>	The Village

**Frontiers in Integrative Biological Research (FIBR) Workshop June 2-3, 2005**  
**A Systems Approach to Study Redox Regulation of Functions of Photosynthetic Organisms**

<http://www.sysbio.wustl.edu>

Washington University in St. Louis  
One Brooking Drive  
Rebstock Hall  
St. Louis, MO  
63130



# Washington University in St. Louis

## ARTS & SCIENCES

### Friday June 3, 2005

8:30 a	<b>BREAKFAST</b>	Rebstock 309
9:00 a	<b>Richard Smith-</b> "Quantitative and High Throughput Proteomics".	Rebstock 322
9:45 a	<b>Nir Keren-</b> "An Approach to High Throughput Proteomic Studies of Photosystem II"	Rebstock 322
10:15 a	<b>BREAK-</b>	Rebstock 309
10:30 a	<b>Steve Wiley-</b> "Integrating Heterogeneous Data Sets from Cell Signaling Experiments"	Rebstock 322
11:10 a	<b>Nan Lin-</b> "Error Structures in Scale-free Networks with Applications to Yeast Protein Interaction Networks"	Rebstock 322
11:40 a	<b>Gary Stormo-</b> "Inferring Regulatory Networks from Genome Sequence and Auxiliary Data"	Rebstock 322
12:20 p	<b>LUNCH- Workshop Closing Remarks</b>	Rebstock 309

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