Schedule

Wednesday, June 2, 2004

1:00 - 3:00 PM — Check-In (Dormitory Registrants ONLY) – Wolman Hall

2:00 - 4:30 PM — Meeting Registration - Main Entrance of Hodson Hall

4:30 - 5:35 PM — Keynote Speaker - Hodson Hall Auditorium Ground Floor

Eric Gouaux
Howard Hughes Medical Institute
Department of Biochemistry and Molecular Biophysics
Columbia University

Atomic Structure and Molecular Mechanism at Glutamate Synapses

5:45 - 8:00 PM — Barbeque - Levering Quad
(Rain Site - Glass Pavilion)

Thursday, June 3, 2004

8:30am-9:00am — Quickstart Breakfast

SESSION I – (Chair: Traci Hall)

9:00am-9:20am — **Kap Lim** - University of Maryland Biotechnology Institute, Center for Advanced Research in Biotechnology
The structure of HI1480 from *Haemophilus influenzae*: a protein with no known homologs

9:20am-9:40am — **Jianhua Gan** - NCI-Frederick
Intermediate states towards two functional forms of ribonuclease III in complex with double-stranded RNA

9:40am-10:00am — **Traci Hall** - NIEHS, NIH
siRNA measures up: Crystal structure and binding specificity of an RNA silencing suppressor

10:00am-10:20am — **Evi Struble** - JHU
X-ray structure of the bacteriophage lambda replication initiator

10:20am-10:40am — COFFEE BREAK

SESSION II – (Chair: Patrick Loll)

10:40am-11:00am — **Jane Ladner** - CARB/NIST
Parallel evolutionary pathways for glutathione transferases

11:00am-11:20am — **Patrick Loll** -Drexel University College of Medicine
Structural analysis of inhaled anesthetic binding by a model protein receptor

11:20am-11:40am	**Marzena Pazgier**- NCI-Frederick Structure/function analysis for human beta defensin 1
11:40am-12:00pm	**Bertram Canagarajah** - National Institutes of Health Structural mechanism of beta2-chamaerin activation by lipid
12:00pm-12:20pm	**David Cooper** - University of Virginia The N-terminal domain of Lis 1 elucidates a common dimerization motif
12:20pm-12:40pm	**Brent Hamaoka**- JHU Crystal structure of *C. elegan*s HER-1 and characterization of the interaction between HER-1 and TRA 2A
12:40pm-1:20pm	LUNCH (provided) POSTER SET UP
1:20pm-3:20pm	Poster Sessions & Product Demonstrations
3:20pm-3:40pm	Vendor Presentation **Kris Tesh** - Rigaku/MSC, Inc Evaluating crystals from diffraction images
3:40pm-4:00pm	Vendor Presentation **Gajus Worthington** – CEO – Fluidigm Integrated fluidic circuits: The new paradigm for protein crystallization
4:00pm-4:20pm	COFFEE BREAK

SESSION III – (Chair: Talapady Bhat)

4:20pm-4:40pm	**Talapady Bhat** - NIST HIV structural database
4:40pm-5:00pm	**Ron Ruth** – Lyncean Technologies, Inc. A compact light source for protein crystallography
5:00pm-5:20pm	**Mathew Zimmerman** - University of Virginia A crystallization expert system
5:20pm-5:40pm	**Tom Woolf** - Johns Hopkins University Insights into rhodopsin structure and function from molecular dynamics calculations
5:40pm-6:00pm	**Scott Garman** - NIH/NIAID The molecular defect leading to Fabry disease: structure of human alpha-galactosidase

Friday, June 4, 2004

8:30am-9:00am	QUICKSTART BREAKFAST

SESSION IV – (Chair: Sandra Gabelli)

9:00am-9:20am	**Yancho Devedjiev** - University of Virginia From structure to function: the *B.subtilis* YkoF gene product, a representative of a novel family of thiamin/HMP-binding proteins
9:20am-9:40am	**Sandra Gabelli** - Johns Hopkins University Design of antitrypanosomal drugs: Targeting the mevalonate pathway
9:40am-10:00am	**Travis Gallagher** - NIST Sulphurous ironies in ferredoxin crystallography
10:00am-10:20am	**Darrel Hurt** - LMB/NIDDK, NIH Structure of dihydroorotate dehydrogenase from the malarial parasite *Plasmodium falciparum* with a bound inhibitor
10:20am-10:40am	COFFEE BREAK

SESSION V – (Chair: Nicole LaRonde-LeBlanc)

10:40am-11:00am	**Nicole LaRonde-LeBlanc** - National Cancer Institute-MCL The structure of *A. fulgidus* Rios2 defines a novel serine kinase family
11:00am-11:20am	**Ping Liu** - Georgia State University Reaction intermediates revealed in crystal structure of the *Geobacillus stearothermophilus* carboxylesterase Est30
11:20am-11:40am	**Igor Shumulin** - University of Virginia Two DAHP synthases; same catalysis, different regulation
11:40am-12:00pm	**Mark Willis** – CARB Solving the HI1543 crystal structure using phases from a single crystal with degrading and emerging heavy atom sites
12:00pm-12:20pm	**Adrian Batchelor** - University of Maryland at Baltimore Refolding, purification and crystallization of a malaria antigen, AMA1 from *Plasmodium falciparum*
12:20pm-1:30pm	Lunch (provided)
	END OF MEETING