

GGB Symposium 2011

<u>Time:</u>	<u>Event:</u>
8:00-9:00 AM	New Student Orientation
8:30-9:30 AM	Breakfast (Genomics Lobby)
9:30-9:40 AM	Welcome & Opening Remarks
9:40-10:40 AM	Session I <i>Session Chair</i> – Yifan Lii
9:40	Tusar Saha — Transcriptomic and reverse genetic analysis of gene expression during the juvenile hormone dependent post-eclosion development of the mosquito, <i>Aedes aegypti</i>
9:55	Rizi Ai — Homology modeling of human cannabinoid CB1 receptor
10:10	Hagop Atamian — Revealing the secrets behind aphid's success
10:25	Sumana Pasala — Identification and functional characterization of miRNAs regulated by isoform specific HNF4 α
10:40-10:55 AM	<i>Coffee Break</i>
10:55-11:55 AM	Session II <i>Session Chair</i> – Hagop Atamian
10:55	Divya Sain — Utilizing functional genomics in <i>Neurospora crassa</i> to identify cell wall genes
11:10	James Starrett — Early events in the evolution of spider silk genes
11:25	Ritu Chaudhary — The GroEL of the aphid endosymbiont <i>Buchnera</i> is secreted by the aphid and recognized by plant defenses

- 11:40 Yifan Lii — Involvement of DNA methylation in plant immunity
- 12:00-1:30 PM*
Time: **Event:** *Lunch (Alumni Center)*
- 1:30-2:30 PM** **Session III** *Session Chair* – Rizi Ai
- 1:30 Venkatesh Sivanandam — Molecular mechanism regulating replication and packaging of satellite tobacco mosaic virus
- 1:45 Ilva Cabrera— Analysis of regulators of G protein signaling (RGS) proteins in the filamentous fungus, *Neurospora crassa*
- 2:00 Amanda Hollowell — The molecular evolution of the gain and loss of symbiosis in natural strains of *Bradyrhizobium japonicum*
- 2:15 Sammy Sedky — Investigating the presence of *Wolbachia* endosymbionts in the free-living soil nematode *Plectus aquatilis*
- 2:30-2:45 PM** **Coffee Break**
- 2:45-3:45 PM** **Session IV** *Session Chair* – Patrick Schacht
- 2:45 Alexander Michkov — Identification by mass spectrometry and characterization of cytosolic proteins associated with a G alpha subunit in *Neurospora crassa*
- 3:00 Patrick Schacht — Studying the non-receptor GEF RIC8 using chemical and classical genetics in *Neurospora crassa*
- 3:15 Yi Zhou — Characterization of transposable elements and the RIP defense mechanism in 7 fungal genomes

3:30 Bo Zhao — Towards improvement of genetics tools for mosquito research: Development of the binary Gal4-UAS system in *Aedes aegypti*

3:45-4:00 PM Coffee Break

4:00-4:30 PM Session IV Session Chair – Ritu Chaudhary

4:00 Li Shaofang — Identification of negative regulators in small-RNA directed DNA methylation

4:15-4:30 PM Awards & Closing Remarks