First Annual BBSI Symposium on Forward-Looking Research

June 14, 2007, Life Sciences Atrium, Virginia Commonwealth University

The symposium provides 1ˢᵗ-year participants in the Bioinformatics and Bioengineering Summer Institute an opportunity to run their best ideas by their colleagues prior to beginning their research projects. It also marks the end of Introductory Week and the start of getting the job done.

Program

1. Meredith Wouters — Carbonylation of carbonic anhydrase

2. Kweku Biney — Effect of methylation on *Trypanosoma cruzi*

3. Cameron Thomas — Human stem cell division

4. Justin Owen — Quiet vehicle avoidance systems for blind and deaf-blind pedestrians

5. James Deemy — Identification of positive coding sequences for proteins essential to the pathogenic behavior of *Naegleria fowleri*

6. Katie Vollmer — Reverse vaccinology: Combating endocarditis caused by *Streptococcus mutans*

7. Andy Surface — Using Bayesian statistics to predict water affinity and behavior in protein binding sites

8. Joe Moeller — Reverse vaccinology: Combating endocarditis caused by *Streptococcus mutans*

9. Cecie Blair — Analysis on the promoter of Treacher Collins syndrome

10. Andy Whittam — Implementing Significant Analysis of Microarrays (SAM) into BioBIKE

11. Rachel Stewart — Using RNA_i to knock down Sgk1 levels in mouse neuronal cell culture

12. Tom Lopez — Computational modeling of *Trypanosoma cruzi* docking proteins to mammalian cells

13. Cyndi Trevisiol — Mathematical and simulated modeling of systemic effects in human wound healing model