

**Plant-Associated Microbe Gene Ontology (PAMGO)/Oomycete
Bioinformatics Resources Training Workshops
July 14-18, 2008**

Monday, July 14, 2008

- 8:15 am Registration and Breakfast (Provided)
- 9:15 am Welcome (Brett Tyler-VBI)
- 9:25 am Overview (Trudy Torto-Alalibo-VBI)
- 9:40 am Structural Annotation (Sucheta Tripathy-VBI)
- 10:30 am Break
- 10:45 am Introduction to Functional Annotation (Michelle Gwinn-Giglio -Univ of Maryland)
- 12: 01pm Lunch (Provided)
- 1:15 pm The Gene Ontology (Michelle Gwinn-Giglio -Univ of Maryland)
- 2:30 pm Break
- 2:45 pm Introduction to GO Annotations (Candace Collmer -Wells College/Cornell,
Michelle Gwinn-Giglio- Univ of Maryland)
- 4:20 pm VBI Tour
- 5:00 pm On Your Own - Read papers and go through exercise for tomorrow

Tuesday, July 15, 2008

- 8:15 am Breakfast (Provided)
- 9:15 am Introduction to PAMGO (Trudy Torto-Alalibo-VBI)
- 10:00 am Bioinformatics Based GO Annotation: *Magnaporthe grisea* (Shaowu Meng-NCSU)
- 10:45 am Break
- 11:00 am Hands-On Exercise (PAMGO/GO annotations- Candace , Michelle, Trudy, Shaowu)

- 12:01 pm Lunch (Provided)
- 1:00 pm Hands-On Exercise Contd. (PAMGO/GO annotations- Candace, Michelle, Trudy, Shaowu)
- 3.00 pm Introduction to Comparative Genomics (Joao Setubal/Tsai-Tien Tseng)
- 3:45 pm Evaluation
- 4. 00 pm Break and Group Photo
- 5:00 pm On Your Own

Wednesday, July 16, 2008

- 8:15 am Breakfast (Provided)
- 9:15 am VBI Microbial Database Genome and EST Databases (Sucheta Tripathy-VBI)
- 10:30 am Break
- 10:45 am PhIGs Synteny Resource (Brett Tyler-VBI)
- 11:45 am Lunch (Provided)
- 1:15 pm JGI *Phytophthora* Databases (Brett Tyler-VBI)
- 1:45 pm Other Resources (Brett Tyler-VBI)
- 2:30 pm Break
- 2:45 pm Domain shuffling and fusion events has created novel metabolic and regulatory

pathways in the *Phytophthora* genomes: so what is "common" about *Phytophthora* ?

(Paul Morris-Bowling Green University)

- 3:30 pm Ortholog Detection in *Hyaloperonospora parasitica* (Marcus Chibucos - VBI)
- 5:00 pm On Your Own

Thursday, July 17th and Friday July 18th, 2008

Hands-On: Comparative Genomics of Oomycete Genomes