### Sunday, July 11, 2010
**5:00 – 9:00 pm**
- Keys Residential Housing check-in 2-4pm
- Evening 5pm-9pm

*Location: McKnight Brain Institute, Room LG 110 A & B*
- Welcome, introductions and dinner
- Presentation: *Emerging Pathogens and Pandemics: Things that Go Bump in the Night* Dr. Glenn Morris, Director, Emerging Pathogens Institute
- Program overview
- Visit HHMI Undergraduate Laboratory

### Monday, July 12, 2010
#### 8:30am – 5:00pm
- **All day 8:30am-5:00pm**
- **van shuttle available at 8:15am**

*Location: HHMI Undergraduate Lab, Biomedical Sciences Building*
- GatorLink account set-up, campus computing orientation
- Pretest assessments, reflective journaling (Prompt 1): Dr. Tracy Irani
- Gator One Cards
- Presentation: *Mission Biotech: Virtual Gaming* Dr. Troy Sadler, Associate Professor, College of Education
- Presentation: *Transmission and Management of Tomato Spotted Wilt Virus* Dr. Joe Funderburk, Professor, Department of Entomology
- UF-EMI CT disposition assessment, critical thinking / Pedagogy, active and problem based learning strategies, Dr. Tracy Irani

*Evening*
- Free!!

### Tuesday, July 13, 2010
#### 8:30am – 5:00pm
- **All day 8:30am-5:00pm**
- **van shuttle available at 8:15am**

*Location: HHMI Undergraduate Lab, Biomedical Sciences Building*
- Lab Experience Overview: Tomato Spotted Wilt Virus (TSWV)
- Lab Experiment 1: Detecting TSWV using an ImmunoStrip; discussion
- Lab Experiment 2: DNA extraction TSWV N gene
- Presentation: *Transgenic Citrus with Immunity to Citrus Greening Disease* Dr. Dean Gabriel, Professor, Plant Pathology
- Lab Experiment 2 cont: PCR TSWV N gene
- Presentation: *Viruses and the Immune System: Who is the Pupil and who is the Teacher?* Dr. Grant McFadden, Professor, Department of Microbiology and Molecular Genetics
- Classroom extensions: Southern blot simulation with Dr. Charles Lawrence

*Evening 7pm-9pm*
- Location: Rhines Hall, Room 125
- **walking distance from Keys**
- Best practice sharing session

### Wednesday, July 14, 2010
#### 8:30am – 5:00pm
- **All day 8:30am-5:00pm**
- **van shuttle available at 8:15am**

*Location: HHMI Undergraduate Lab, Biomedical Building*
- Reflective journaling: Prompt 2
- Complete Lab Experiment 2: Verification of PCR using gel electrophoresis
- Brainstorm TSWV experiment
- Bioinformatics activity
- Lab Experiment 3: Proteomics
- Presentation: “Omics” of Proteins Dr. Sixue Chen, Associate Professor, Department of Biology
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<th>Date</th>
<th>Time &amp; Activities</th>
<th>Location &amp; Details</th>
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| Thursday, July 15, 2010 | **Evening 7pm-9pm**<br>
**Location: Rhines Hall, Room 125**<br>
**walking distance from Keys**<br>
• Best practice sharing session | All day: 8:30am-5pm<br>
**Location: HHMI Undergraduate Lab, Biomedical Building**<br>
**van shuttle available at 8:15am**<br>
• Reflective journaling: Prompt 3<br>
• Lab Experiment 3 cont: Proteomics<br>
• Presentation: *Protein Analysis with Mass Spectrometry* Dr. Nick Polfer, Assistant Professor, Department of Chemistry<br>
• Brainstorm proteomics in the classrooms |
| Friday, July 16, 2010   | All day 8:30am-4:00pm<br>
**Location: Entomology/Nematology Building, Room 3118**<br>
**Drive self/carpool to Entomology Building**<br>
• Action Proposal information session<br>
• Interactive session: *Insect-vectors and Florida’s Public Health* Dr. Roxanne Connelly, Associate Professor, Florida Medical Entomology Laboratory<br>
• Classroom applications and action proposal brainstorming | No scheduled program activities.<br>
If in town, consider a visit to one of our local springs, gardens, or the UF Cultural Plaza (Florida Museum of Natural History and Harn Art Museum) |
| Saturday, July 17, 2010 | Morning 8:30am-12:30pm<br>
**Location: Emerging Pathogens Building Room 150**<br>
**van shuttle available at 8:15am**<br>
• Presentation: *Malaria: Measuring, Mapping, and Mitigating* Dr. Andy Tatem, Assistant Professor, Department of Geography/Emerging Pathogens Institute<br>
• Site visit to Emerging Pathogens Institute with Dr. Glenn Morris | Afternoon 1pm-4pm (Drive self/carpool to Alachua)<br>
**Location: Progress Park in Alachua**<br>
• Center of Excellence in Regenerative Health Biotechnology: *Translational research and manufacturing aspects*, Ms. Tammy Mandell and Dr. Richard Snyder |
| Sunday, July 18, 2010   | Evening 7:00-9:00pm<br>
**Location: HHMI Undergraduate Lab, Biomedical Building**<br>
• Mission Biotech, virtual gaming: Dr. Troy Sadler | |
| Tuesday, July 20, 2010  | Morning 8:30am-12:30pm<br>
**Location: HPNP Building, Room G301**<br>
**van shuttle available at 8:15am**<br>
• Presentation: *Adolescent HIV-AIDS in Florida*, Dr. Robert Lawrence, Clinical Associate Professor, Department of Pediatrics<br>
• Presentation: *The Evolution of HIV*, Dr. Marco Salemi, Associate Professor, Department of Pathology, Immunology, and Laboratory Medicine/Emerging Pathogens Institute | Afternoon 1pm-5pm<br>
**Location: HHMI Undergraduate Lab, Biomedical Building** |
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<td><strong>Wednesday, July 21, 2010</strong>&lt;br&gt;8:00am – 4:30pm</td>
<td>Reflective journaling: Prompt 3 / 4&lt;br&gt;Laboratory experiment 4: ELISA&lt;br&gt;Presentations: <em>Biochemistry of HIV Drugs</em>, Dr. Ben Dunn, Distinguished Professor, Department of Biochemistry and Molecular Biology&lt;br&gt;Classroom extensions with Dr. Charles Lawrence&lt;br&gt;&lt;br&gt;Evening 6:00-8:00pm&lt;br&gt;<strong>Location:</strong> HHMI Undergraduate Lab, Biomedical Building&lt;br&gt;• Mission Biotech, virtual gaming: Dr. Troy Sadler</td>
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