

2005 Summer Science Institute, Biotechnology Techniques and Applications

June 19-25, 2005

All activities take place in room CG-029, Health Science Center Communicore Building (EdCore Lab) except where noted

SUNDAY, JUNE 19	TUESDAY, JUNE 21	WEDNESDAY, JUNE 22
<p>2:00pm Keys Residence Facility check-in</p> <p><i>There are no scheduled activities this evening.</i></p>	<p>8:30am Review of laboratory goals Continue experiment 2 (dismount transfer, UV-crosslink, hybridize, expose to film) Continue experiment 1 (electrophoresis)</p>	<p>8:30am Discuss results of Southern blots 9:00am Hands-on: Bioinformatics HSC computer lab <i>Dr. Bill Farmerie</i> <i>Dr. Michele Tennant, Bioinformatics Librarian</i></p>
<p>MONDAY, JUNE 20</p>	<p>11:30 Lecture: Wildlife Forensics <i>Ms. Ginger Clark, Scientific Research Manager, BEECS Genetic Analysis Laboratory, ICBR</i></p>	<p>10:15am Lecture: Flow Cytometry <i>Mr. Neal Benson, Scientific Director, Flow Cytometry Core Laboratory, ICBR</i></p>
<p>9:00am Program registration Welcome Staff and participant introductions <i>Dr. Mary Jo Koroly, Director</i> <i>Center for Precollegiate Education and Training and</i> <i>Associate Scientist, Department of Biochemistry and Molecular Biology, College of Medicine</i></p>	<p>12:30pm Lunch on your own 1:30pm Discussion of results 2:15pm Site visit: Forest Biotechnology and Molecular Biology Location: Room 376 Newins-Ziegler Hall <i>Dr. John Davis, Associate Professor</i> <i>School of Forest Resources and Conservation, Institute of Food and Agricultural Sciences</i></p>	<p>11:00 Laboratory visit Group A: ARB R4-233, <i>Mr. Neal Benson, Scientific Director, Flow Cytometry Core Laboratory, ICBR</i> Group B: ARB R2-152, <i>Mr. Robert Lyons, Graduate student, College of Medicine, Mentor: Dr. Wesley Reeves</i></p>
<p>10:30am Lecture: Dengue Virus and PCR <i>Dr. Bill Farmerie, Assistant Director and Scientific Advisor</i> <i>Interdisciplinary Center for Biotechnology Research (ICBR)</i></p>	<p>3:30pm Free time 5:30pm Best Practice Sharing Session (light dinner served)</p>	<p>11:30 Laboratory visit Group A: ARB R2-152 Group B: ARB R4-233</p>
<p>12:00pm Lunch on your own</p>	<p><i>See you tomorrow at 8:30am in the EdCore Lab!</i></p>	<p>12:00pm Lunch on your own</p>
<p>1:00pm Begin experiment 1: Southern Blot Analysis of a Human Polymorphic DNA Locus <i>Julie Bokor, Coordinator</i> <i>Center for Precollegiate Education and Training</i></p>		<p>1:00pm Lecture: Microarray Technology Location: Health Professions, Nursing, & Pharmacy Building (HPNP) Room G210 <i>Dr. Henry Baker, Professor and Interim Chair, Department of Molecular Genetics and Microbiology, College of Medicine</i></p>
<p>1:40pm Lecture: Southern Blot Analysis <i>Ms. Nina Mayer, Medical student</i> <i>UF College of Medicine</i></p> <p>2:20pm Begin experiment 2: Using Polymerase Chain Reaction for Detection and Typing of Dengue Virus</p> <p><i>See you tomorrow at 8:30am in the EdCore Lab!</i></p>		<p>2:30pm Lecture and site visit <i>Ms. Christine Pacak, Graduate student, College of Medicine, Mentor: Dr. Barry Byrne</i></p> <p><i>See you tomorrow at 8:30am in the EdCore Lab!</i></p>

THURSDAY, JUNE 23

8:30am Begin ELISA experiment
 9:00am Lecture: Enzyme Linked Immunosorbent Assays
Ms. Linda Green, Technical Director, Hybridoma Core Laboratory
 10:00am Continue ELISA experiment
 12:00pm Lunch on your own
 1:15pm Lecture: Variation on an ELISA
Ms. Joanna Joyner Matos, Graduate student, Department of Zoology, College of Liberal Arts and Science, Mentor: Dr. David Julian
 2:30pm Laboratory visit:
 Location: ARB RG-191
Dr. Richard Snyder, Director, Center of Excellence in Regenerative Health Biotechnology (CERHB) Assistant Professor, Department of Molecular Genetics and Microbiology, College of Medicine
 4:00 – Classroom applications

Please meet tomorrow morning at 8:30am in the circle drive by the HPNP to load the bus.

FRIDAY, JUNE 24

8:30am Load bus to travel to Alachua
 9:00am Sid Martin Biotechnology Development Incubator
Ms. Patti Breedlove, BDI Manager
 11:00am Regeneration Technologies, Inc.
Ms. Jenny Wills, Corporate Communications Specialist, RTI
 11:45am CERHB
Dr. Richard Snyder
 12:30pm Return to campus for lunch on your own
 1:45pm Discussion: The Politics of Science: Stem Cells
Ms. Jani Sherard, Associate Director, ICBR
 2:45pm Discussion: Biomedical ethics
 Location: HPNP Room G210
Dr. Ray Moseley, Associate Professor, Community Health & Family Medicine, Bioethics, Law, and Medical Professionalism
 4:30pm Action Plans
 Location: TBA (either Room G210 or G312)
 6:00pm Dinner
 Location: HPNP Room G312

SATURDAY, JUNE 25

Please check out of the dorm by 12:00pm.

 Drive safely home and have a wonderful rest of the summer.

 Don't be a stranger! Keep us up to date on how you are able to use the workshop information in your classroom.

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