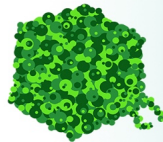




# SEA PHAGES



## Phage Discovery Workshop @ University of Maryland Baltimore County

	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
7:30 AM	Pre-Arrival Assignment: Protocol p5.1	7:30   Breakfast   Hyatt Hotel	7:30   Breakfast   Hyatt Hotel	7:30   Breakfast   Hyatt Hotel	7:30   Breakfast   Hyatt Hotel	7:30   Breakfast   Hyatt Hotel	7:30   Breakfast   Hyatt Hotel
8:30 AM		8:30   Lab Meeting   Vic Sivanathan   120 Meyerhoff	8:30   Lab Meeting   Vic Sivanathan   120 Meyerhoff	8:30   Lab Meeting   Vic Sivanathan   120 Meyerhoff	8:30   Lab Meeting   Vic Sivanathan   201 Meyerhoff	8:30   Lab Meeting   Vic Sivanathan   201 Meyerhoff	8:30   Lab: Amplification III - Webbed Plates   SEA Team   201 Meyerhoff
8:45 AM		8:45   Lec: Isolation III - Direct Isolation, Plaque Assay   Vic Sivanathan   120 Meyerhoff	8:45   Lec: Ordering, Preparing Reagents, Resources   Vic Sivanathan   120 Meyerhoff	8:45   Lec: Purification III - Collecting Plate Lysates, Spot Titer, Full Plate Titer   Vic Sivanathan   120 Meyerhoff	8:45   Demo: Characterization - Gel Electrophoresis   Mary Ayuk   201 Meyerhoff	8:45   Lab: Microscopy - Grid Setup & Imaging   Andy Beyer, Kathleen Cornely   201 Meyerhoff	8:45   Lab: Amplification II - Webbed Plates   Mary Ayuk, Bob Harms   201 Meyerhoff
9:00 AM					9:00   Lab: Characterization - Gel Electrophoresis   Mary Ayuk, Bob Harms   201 Meyerhoff		9:00   Lab Meeting   SEA Team   201 Meyerhoff
9:15 AM		9:15   Demo: Isolation III - Direct Isolation, Plaque Assay   Andy Beyer   201 Meyerhoff		9:15   Demo: Purification III - Collecting Plate Lysates: Flood, Spot Titer, Full Plate Titer   Kathleen Cornely   201 Meyerhoff	9:15   Demo: Purification III - Collecting Plate Lysates: Flood, Spot Titer, Full Plate Titer   Kathleen Cornely   201 Meyerhoff		
9:30 AM		9:30   Lab: Isolation III - Direct Isolation, Plaque Assay   Andy Beyer, Kathleen Cornely   201 Meyerhoff	9:15   Lec: Working with Bacteria & Phage   Vic Sivanathan   120 Meyerhoff	9:30   Lab: Purification III - Collecting Plate Lysates (Flood ONLY)   Kathleen Cornely, Andy Beyer   201 Meyerhoff	p10.3: Gel Electrophoresis of Restriction Enzyme Digests	p8.1a&b: Mounting Phage Samples for TEM	p7.1: Making Webbed Plates
10:00 AM		p5.2: Direct Isolation; p5.3: Plaque Assay		p6.3: Collecting Plate Lysates	10:00   Group Photo   Depart from 201 Meyerhoff		
10:15 AM		10:15 - 10:30   Break   145 Meyerhoff	10:15 - 10:30   Break   145 Meyerhoff	10:15 - 10:30   Break   145 Meyerhoff	10:15 - 10:30   Break   145 Meyerhoff	10:15 - 10:30   Break   145 Meyerhoff	10:15 - 10:30   Break   145 Meyerhoff
10:30 AM		10:30   continue, Lab: Isolation III - Direct Isolation, Plaque Assay   Andy Beyer, Kathleen Cornely   201 Meyerhoff	10:30   Lab: Working with Bacteria   Vic Sivanathan, SEA Team   201 Meyerhoff	10:30   Lab: Purification III - Spot Titer, Full Plate Titer   Kathleen Cornely, Andy Beyer   201 Meyerhoff	10:45   Open Lab, Collecting Plate Lysates from 48 hr Enrichments SEA Team   201 Meyerhoff	10:30   Lab: Microscopy - Grid Setup & Imaging   Andy Beyer, Kathleen Cornely   201 Meyerhoff	10:30   Lab: Amplification II - Webbed Plates   Mary Ayuk, Bob Harms   201 Meyerhoff
11:30 AM			11:30   Lec: Purification II - Picking Plaques, Plaque Assay   Vic Sivanathan   120 Meyerhoff	11:30   Lec: Purification II - Picking Plaques, Plaque Assay   Vic Sivanathan   120 Meyerhoff			10:45   Final Exam   201 Meyerhoff
11:45 AM				p6.4: Spot Titer, p6.5: Full Plate Titer			11:30   Award Ceremony   201 Meyerhoff
12:00 PM		12:00 - 1:00   Lunch   145 Meyerhoff	12:00 - 1:00   Lunch   145 Meyerhoff	12:00 - 1:00   Lunch   145 Meyerhoff	12:00 - 1:00   Lunch, Implementation Discussion   145 Meyerhoff	12:00 - 1:00   Lunch   145 Meyerhoff	12:00   Board Lunches For Departure   145 Meyerhoff
1:00 PM		1:00   Lec: Isolation IV - Enriched Isolation, Spot Test   Vic Sivanathan   201 Meyerhoff	1:00   Lab Meeting - Review Isolation & Purification   plates   SEA Team   201 Meyerhoff	1:00   Lec: DNA Extraction   Vic Sivanathan   120 Meyerhoff	1:00   Lec: Amplification I - Calculate Titer & Preparing Webbed Plates   Vic Sivanathan   201 Meyerhoff	1:00   Lab: Microscopy - Grid Setup & Imaging   Mary Ayuk, Bob Harms   201 Meyerhoff	
1:30 PM		1:30   Demo: Isolation IV - Enriched Isolation, Spot Test   Andy Beyer   201 Meyerhoff	1:30   Demo: Purification II - Picking Plaques, Plaque Assay   Kathleen Cornely   201 Meyerhoff	1:30   Demo: DNA Extraction   Mary Ayuk   201 Meyerhoff	1:30   Lab: Amplification I - Calculate Titer   SEA Team   201 Meyerhoff	p7.1: Making Webbed Plates	p8.1a&b: Mounting Phage Samples for TEM
1:45 PM		1:45   Lab: Isolation IV - Enriched Isolation, Spot Test   Andy Beyer, Kathleen Cornely   201 Meyerhoff	1:45   Lab: Purification II - Picking Plaques, Plaque Assay   Kathleen Cornely, Andy Beyer   201 Meyerhoff	1:45   Lab: DNA Extraction   Mary Ayuk, Bob Harms   201 Meyerhoff			
2:30 PM				p9.1: Phage DNA Extraction	2:00   Lab Meeting: Data Analyses   SEA Team   201 Meyerhoff		
2:30 PM	2:30   Shuttle to UMBC & Registration   145 Meyerhoff	p5.5: Enriched Isolation; p5.6: Spot Test			p6.4: Spot Titer; p6.5: Full Plate Titer; p10.5: Analyzing Restriction Enzyme Gels		
2:45 PM							
3:00 PM	3:00   Welcome   Vic Sivanathan   120 Meyerhoff						
3:15 PM		3:15 - 3:30   Break   145 Meyerhoff	3:15 - 3:30   Break   145 Meyerhoff	3:15 - 3:30   Break   145 Meyerhoff	3:15 - 3:30   Break   145 Meyerhoff	3:15 - 3:30   Break   145 Meyerhoff	
3:30 PM		3:30   Lec: Isolation I - Phage Extraction   Vic Sivanathan   120 Meyerhoff	3:30   Lec: Purification I - Serial Dilution, Plaque Assay   Vic Sivanathan   120 Meyerhoff	3:30   Lec: Characterization - Restriction Enzyme Digest   Meyerhoff	3:30   Lec: Microscopy   Vic Sivanathan   120 Meyerhoff	3:30   Lec: Archiving   Vic Sivanathan   120 Meyerhoff	
4:00 PM		4:00   Demo: Lab Safety   Vic Sivanathan   201 Meyerhoff	4:00   Demo: Purification I - Serial Dilution, Plaque Assay   Bob Harms   201 Meyerhoff	4:00   Demo: Characterization - Restriction Enzyme Digest   Mary Ayuk   201 Meyerhoff	4:00   Demo: Microscopy - Grid Setup   Andy Beyer, Vic Sivanathan   201 Meyerhoff	4:00   Lec: Assessment   Vic Sivanathan   120 Meyerhoff	
4:00 PM			p5.6: Spot Test Media & Lab Prep Tour / Q&A				
4:15 PM		4:15   Demo: Sterile Technique, Isolation I - Phage Extraction   Bob Harms   201 Meyerhoff	4:15   Lab: Purification I - Serial Dilution, Plaque Assay   Bob Harms, Mary Ayuk   201 Meyerhoff	4:15   Lab: Characterization - Restriction Enzyme Digest   Mary Ayuk, Bob Harms   201 Meyerhoff	4:15   Lab: Characterization - Restriction Enzyme Digest   Mary Ayuk, Bob Harms   201 Meyerhoff		
4:30 PM		4:30   Lab: Isolation I - Phage Extraction   Bob Harms, Mary Ayuk   201 Meyerhoff	4:30   Review "Models of CRE Instruction" & "Models of CRE Assessment" + Free Time			4:30   Lab: Microscopy - Grid Setup   Andy Beyer, Vic Sivanathan   201 Meyerhoff	4:30   Phage Nomination & Voting   SEA Team   120
4:45 PM		p5.5: Enriched Isolation	p6.2: Serial Dilution; p5.3: Plaque Assay	p10.1: Setting Up Restriction Enzyme Digests		p8.1a&b: Mounting Phage Samples for TEM	
5:00 PM		5:00   Lec: Phage Biology Primer   Vic Sivanathan   120 Meyerhoff			Note: Course Prep & Implementation Strategy Development, Phage Nomination		5:00   Implementation Q&A   SEA Team   120
5:15 PM		5:30   Lec: Isolation II - Enriched Isolation   Vic Sivanathan   120 Meyerhoff					
5:30 PM		6:00 - 7:00   Dinner   145 Meyerhoff	6:00 - 7:00   Dinner   145 Meyerhoff	6:00 - 7:00   Dinner   145 Meyerhoff	6:00 - 7:00   Dinner   145 Meyerhoff	6:00 - 7:00   Dinner   145 Meyerhoff	6:00 - 7:00   Dinner   145 Meyerhoff
6:45 PM		7:00   Demo: Isolation II - Enriched Isolation   Bob Harms   201 Meyerhoff	7:00   Faculty Talk   Kathleen Cornely   120 Meyerhoff	7:00   Faculty Talk   Mary Ayuk   120 Meyerhoff	7:00   Faculty Talk   Andy Beyer   120 Meyerhoff	7:00   Faculty Talk   Bob Harms   120 Meyerhoff	7:00   Advance Phage Biology   Danielle Hettler   120 Meyerhoff
7:00 PM		7:15   Lab: Isolation II - Enriched Isolation   Bob Harms, Mary Ayuk   201 Meyerhoff					
7:15 PM		p5.5: Enriched Isolation					
8:00 PM	8:00   Debriefing & Social   Commons Game Room Homework	8:00   Debriefing & Social   Commons Game Room Homework	8:00   Debriefing & Social   Commons Game Room Homework	8:00   Debriefing & Social   Commons Game Room Homework	8:00   Debriefing & Social   Commons Game Room Homework	8:00   Debriefing & Social   Commons Game Room Homework	8:00   Final Exam Prep   Commons Game Room Homework