Phage Discovery Workshop
@ University of Maryland Baltimore County

	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday		Friday
6:00 AM	Pre-Arrival Assignment:	7:00 | Breakfast | Springhill Suites Hotel	6:00 | Breakfast | Springhill Suites Hotel	6:00 | Breakfast | Springhill Suites Hotel	6:00 | Breakfast | Springhill Suites Hotel	6:00 | Breakfast | Springhill Suites Hotel		6:00 | Breakfast | Springhill Suites Hotel
8:00 AM	p5.1	8:00 | Shuttle to UMBC | Springhill Suites Hotel		8:00 | Shuttle to UMBC | Springhill Suites Hotel	8:00 | Shuttle to UMBC | Springhill Suites Hotel	8:00 | Shuttle to UMBC | Springhill Suites Hotel		8:00 | Shuttle to UMBC | Springhill Suites Hotel
8:30 AM		8:30 | Lab Meeting | Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff		8:30 | Lab Meeting |Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff	8:30 | Lab Meeting | Vic Sivanathan & Pushpa Ramakrishna | 201 Meyerhoff	8:30 | Lab Meeting | Vic Sivanathan & Pushpa Ramakrishna | 201 Meyerhoff		8:30 | Lab: Amplification III - Webbed Plates | SEA Team | 201 Meyerhoff
8:45 AM		8:45 | Lec: Isolation - Direct Isolation, Plaque Assay | Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff		8:45 | Lec: Purification - Collecting Plate Lysates, Spot Titer, Full Plate Titer | Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff	8:45 |Demo: Characterization - Gel Electrophoresis | Nick Peters | 201 Meyerhoff p10.3: Gel Electrophoresis of Restriction Enzyme Digests	8:45 | Lab: Microscopy - Grid Setup & Imaging | Christa Bancroft, Nick Peters | 201 Meyerhoff p8.1a&b: Mounting Phage Samples for TEM	8:45 | Lab: Amplification - Webbed Plates | Kissaou Tchedre, Urszula Golebiewska | 201 Meyerhoff p7.1: Making Webbed Plates	
9:00 AM					9:00 | Lab: Characterization - Gel Electrophoresis | Kissaou Tchedre, Urszula Golebiewska | 201 Meyerhoff p10.3: Gel Electrophoresis of Restriction Enzyme Digests			9:00 | Lab Meeting | SEA Team | 201 Meyerhoff
9:15 AM		9:15 | Demo: Isolation - Direct Isolation, Plaque Assay | Christa Bancroft | 201 Meyerhoff		9:15 | Demo: Purification - Collecting Plate Lysates: Flood, Spot Titer, Full Plate Titer | Nick Peters | 201 Meyerhoff				
9:30 AM		9:30 | Lab: Isolation - Direct Isolation, Plaque Assay | Christa Bancroft, Nick Peters | 201 Meyerhoff p5.2:Direct Isolation; p5.3: Plaque Assay		9:30 | Lab: Purification - Collecting Plate Lysates (Flood ONLY) | Nick Peters, Christa Bancroft | 201 Meyerhoff p6.3: Collecting Plate Lysates				
9:45 AM								
10:00 AM			10:00 | Shuttle to UMBC | Springhill Suites Hotel					
10:15 AM		10:15 | Break | 145 Meyerhoff	10:15 | Break | 145 Meyerhoff	10:15 | Break | 145 Meyerhoff	10:15 | Break | 145 Meyerhoff	10:15 | Break | 145 Meyerhoff		10:15 | Break | 145 Meyerhoff
10:30 AM		10:30 | continue, Lab: Isolation - Direct Isolation, Plaque Assay | Christa Bancroft, Nick Peters | 201 Meyerhoff	10:30 | Lab Meeting | Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff	10:30 | Lab: Purification - Spot Titer, Full Plate Titer | Nick Peters, Christa Bancroft | 201 Meyerhoff p6.4: Spot Titer, p6.5: Full Plate Titer	10:30 | Group Photo | Meet at 201 Meyerhoff	10:30 | Lab: Microscopy - Grid Setup & Imaging | Christa Bancroft, Nick Peters | 201 Meyerhoff	10:30 | Lab: Amplification - Webbed Plates | Kissaou Tchedre, Urszula Golebiewska | 201 Meyerhoff	10:30 | Lab Clean-Up | 201 Meyerhoff
10:45 AM					10:45 |Open Lab | SEA Team | 201 Meyerhoff			10:45 | Final Exam | 201 Meyerhoff
11:00 AM			11:00 | Lec: Purification - Picking Plaques, Plaque Assay | Vic					
11:30 AM								11:30 | Award Ceremony | 201 Meyerhoff
12:00 PM		12:00 | Lunch | 145 Meyerhoff	12:00 | Lunch | 145 Meyerhoff	12:00 | Lunch | 145 Meyerhoff	12:00 | Lunch, Implementation Discussion | 145 Meyerhoff	12:00 | Lunch | 145 Meyerhoff		12:00 | Boxed Lunches For Departure | 145 Meyerhoff
1:00 PM		1:00 | Lec: Isolation - Enriched Isolation, Spot Test | Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff	1:00 | Lab Meeting - Review Isolation & Purification plates| SEA Team | 201 Meyerhoff	1:00 | Lec: DNA Extraction | Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff	1:00 | Lec: Amplification - Calculate Titer & Preparing Webbed Plates | Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff	1:00 | Lab: Amplification II - Webbed Plates | Kissaou Tchedre, Urszula Golebiewska | 201 Meyerhoff p7.1: Making Webbed Plates	1:00 | Lab: Microscopy - Grid Setup & Imaging | Christa Bancroft, Nick Peters | 201 Meyerhoff | 201 Meyerhoff p8.1a&b: Mounting Phage Samples for TEM	12:00 | Shuttle to Springhill Suites | Fine Arts Loop
1:30 PM		1:30 | Demo: Isolation - Enriched Isolation, Spot Test | Christa Bancroft | 201 Meyerhoff	1:30 | Demo: Purification - Picking Plaques, Plaque Assay | Nick Peters | 201 Meyerhoff	1:30 | Demo: DNA Extraction | Kissaou Tchedre | 201 Meyerhoff				
1:45 PM		1:45 | Lab: Isolation - Enriched Isolation, Spot Test | Christa Bancroft, Nick Peters | 201 Meyerhoff p5.5: Enriched Isolation; p5.6: Spot Test	1:45 | Lab: Purification - Picking Plaques, Plaque Assay | Nick Peters, Christa Bancroft | 201 Meyerhoff	1:45 | Lab: DNA Extraction | Kissaou Tchedre, Urszula Golebiewska | 201 Meyerhoff p9.1: Phage DNA Extraction				
2:00 PM					2:00 | Lab: Amplification - Calculate Titer | SEA Team | 201 Meyerhoff			
2:30 PM	2:30 | Shutttle to UMBC | Springhill Suites Hotel				2:30 | Lab Meeting: Data Analyses | SEA Team | 201 Meyerhoff p6.4: Spot Titer; p6.5: Full Plate Titer; p10.5: Analyzing Restriction Enzyme Gels			
3:00 PM	3:00 | Welcome | Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff							
3:15 PM		3:15 | Break | 145 Meyerhoff	3:15 | Break | 145 Meyerhoff	3:15 | Break | 145 Meyerhoff	3:15 | Break | 145 Meyerhoff	3:15 | Break | 145 Meyerhoff		
3:30 PM	3:30 | Lec: Isolation I - Phage Extraction | Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff	3:30 | Lec: Purification - Serial Dilution, Plaque Assay | Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff	3:30 | Lec: Working with Bacteria & Phage| Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff	3:30 | Lec: Characterization - Restriction Enzyme Digest | Vic Sivanathan & Pushpa Ramakrishna| 120 Meyerhoff	3:30 | Lec: Microscopy | Vic Sivanathan & Pushpa Ramakrishna| 120 Meyerhoff	3:30 | Lec: Archiving | Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff		
4:00 PM	4:00 | Demo: Lab Safety | Vic Sivanathan & Pushpa Ramakrishna | 201 Meyerhoff	4:00 | Demo: Purification - Serial Dilution, Plaque Assay | Christa Bancroft | 201 Meyerhoff	4:00 | Lab: Working with Bacteria & Phage| Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff	4:00 |Demo: Characterization - Restriction Enzyme Digest | Kissaou Tchedre | 201 Meyerhoff	4:00 |Demo: Microscopy - Grid Setup | Vic Sivanathan & Pushpa Ramakrishna | 201 Meyerhoff	4:00 | Lec: Assessment | Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff		
4:15 PM	4:15 | Demo: Sterile Technique, Isolation - Phage Extraction | Urszula Golebiewska | 201 Meyerhoff	4:15 | Lab: Purification - Serial Dilution, Plaque Assay | Christa Bancroft, Nick Peters | 201 Meyerhoff p6.2: Serial Dilution; p5.3: Plaque Assay		4:15 | Lab: Characterization - Restriction Enzyme Digest | Kissaou Tchedre, Urszula Golebiewska | 201 Meyerhoff p10.1: Setting Up Restriction Enzyme Digests				
4:30 PM	4:30 | Lab: Isolation - Phage Extraction | Urszula Golebiewska, Kissaou Tchedre | 201 Meyerhoff p5.5: Enriched Isolation	4:30 | Lec: Ordering, Preparing Reagents, Resources | Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff	4:30 | Review "Models of CRE Instruction" & "Models of CRE Assessment" + Free Time		4:30 | Lab: Microscopy - Grid Setup | SEA Team | 201 Meyerhoff p8.1a&b: Mounting Phage Samples for TEM	4:30 | Phage Nomination & Voting | SEA Team | 120 Meyerhoff		
5:00 PM	5:00 | Lec: Phage Biology Primer | Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff					5:00 | Implementation Q&A | SEA Team | 120 Meyerhoff		
5:30 PM	5:30 | Lec: Isolation - Enriched Isolation | Vic Sivanathan & Pushpa Ramakrishna | 120 Meyerhoff	5:30 | Review Implementation Sheet + Free Time						
6:00 PM	6:00 - 7:00 | Dinner | 145 Meyerhoff	6:00 | Dinner & Faculty Talk | Urszula Golebiewska | Skylight Lounge	6:00 | Dinner & Faculty Talk | Christa Bancroft | Skylight Lounge	6:00 | Dinner & Faculty Talk | Nick Peters | Skylight Lounge	6:00 | Dinner & Faculty Talk | Kissaou Tchedre | Skylight Lounge	6:00 | Dinner & Advance Phage Biology | Danielle Heller | Skylight Lounge		
7:00 PM	7:00 | Demo: Isolation - Enriched Isolation | Urszula Golebiewska | 201 Meyerhoff							
7:15 PM	7:15 | Lab: Isolation - Enriched Isolation | Urszula Golebiewska, Kissaou Tchedre | 201 Meyerhoff p5.5: Enriched Isolation							
7:30 PM		7:30 | Debriefing & Social | Commons Game Room	7:30 | Debriefing & Social | Commons Game Room	7:30 | Debriefing & Social | Commons Game Room	7:30 | Debriefing & Social | Commons Game Room	7:30 | Final Exam Prep | Commons Game Room		
8:00 PM	8:00 | Debriefing & Social | Commons Game Room							
8:30 PM	8:30 | First Shuttle to Hotel | Commons Loop	8:30 | First Shuttle to Hotel | Commons Loop	8:30 | First Shuttle to Hotel | Commons Loop	8:30 | First Shuttle to Hotel | Commons Loop	8:30 | First Shuttle to Hotel | Commons Loop	8:30 | First Shuttle to Hotel | Commons Loop		
9:30 PM	9:30 | Second Shuttle to Hotel | Commons Loop	9:30 | Second Shuttle to Hotel | Commons Loop	9:30 | Second Shuttle to Hotel | Commons Loop	9:30 | Second Shuttle to Hotel | Commons Loop	9:30 | Second Shuttle to Hotel | Commons Loop			
10:00 PM						10:00 | Second Shuttle to Hotel | Commons Loop		
10:15 PM	Homework	Homework	Homework	Homework	Homework	Homework		