

SEA-PHAGES Advanced Bioinformatics Workshop

Howard Hughes Medical Institute Headquarters | Chevy Chase, MD

June 14-17, 2015

LEARNING OBJECTIVES

Participants will be able to:

- Characterize and investigate mycobacteriophage genomes through bioinformatic comparative analyses. We will use a variety of tools that include but may not be limited to Splitstree, DotPlots, sequence alignment programs, and DNA Master comparison tools;
- Use current literature to help identify areas of future investigations; and
- Identify the basic concepts that underpin the bioinformatics of phage biology that is relevant to their students.

PRIOR TO YOUR ARRIVAL

A link to readings will be sent shortly. If you have not read the papers prior to your arrival at the symposium, please enjoy them Sunday evening!

Sunday, June 14th

<i>Time</i>	<i>Topic</i>	<i>Location</i>
3:00 – 5:00 pm	Check-In	<i>Lobby</i>
6:30 – 7:30 pm	Dinner	<i>Dining Room</i>
7:30 – 9:30 pm	Dessert & Drinks	<i>The Pilot</i>

Monday, June 15th

<i>Time</i>	<i>Topic</i>	<i>Location</i>
8:15 – 9:00 am	Breakfast	<i>Dining Room</i>
9:00 – 10:30 am	Objectives and Review of Current Literature <i>Deborah Jacobs-Sera</i>	<i>D124/D125</i>
10:30 – 10:45 am	Break	
10:45 am – 12:30 pm	Lecture <i>Graham F. Hatfull</i>	<i>D124/D125</i>
12:30 – 1:30 pm	Lunch	<i>Dining Room</i>
1:30 – 2:15 pm	Identifying the Areas of Investigation <i>Welkin H. Pope</i>	<i>D124/D125</i>
2:15 – 3:15 pm	Overall Genome Comparisons <i>Welkin H. Pope</i>	<i>D124/D125</i>
3:15 – 3:30 pm	Break	
3:30 – 6:00 pm	Introduction to Tools <i>Pope, Jacobs-Sera, Steve Cresawn</i>	<i>D124/D125</i>
6:00 – 7:00 pm	Dinner	<i>Dining Room</i>
7:00 – 8:00 pm	Groups: Practice with tools <i>Scaffolding by all</i>	<i>D115, D116, D124/D125</i>
8:00 – 9:30 pm	Dessert & Drinks	<i>The Pilot</i>

Tuesday, June 16th

<i>Time</i>	<i>Topic</i>	<i>Location</i>
8:15 – 9:00 am	Breakfast	<i>Dining Room</i>
9:00 – 9:30 am	Questions & Answers	<i>D124/D125</i>
9:30 – 10:15 am	Assess the data, Determining the next step	<i>D124/D125</i>
10:15 – 10:30 am	Break	
10:30 am – 12:30 pm	Groups: Collecting Data	<i>D115, D116, D124/D125</i>
12:30 – 1:30 pm	Lunch	<i>Dining Room</i>
1:30 – 2:15 pm	Assess the data, Determining the next step	<i>D124/D125</i>
2:15 – 3:15 pm	Groups: Additional comparative analysis	<i>D115, D116, D124/D125</i>
3:15 – 3:30 pm	Break	
3:30 – 5:30 pm	Groups: Annotation and Analysis of Genome	<i>D115, D116, D124/D125</i>
5:30 – 6:00 pm	Assess the data, Determining the next step	<i>D124/D125</i>
6:00 – 7:00 pm	Dinner	<i>Dining Room</i>
7:00 – 8:00 pm	Groups: Putting it all together	<i>D115, D116, D124/D125</i>
8:00 – 9:30 pm	Dessert & Drinks	<i>The Pilot</i>

Wednesday, June 17th

<i>Time</i>	<i>Topic</i>	<i>Location</i>
8:15 – 9:00 am	Breakfast <i>(Room check-out, store luggage in Conf. Center)</i>	<i>Dining Room</i>
9:00 – 10:15 am	Presentation Preparation	<i>D115, D116, D124/D125</i>
10:15 – 10:30 am	Break	
10:30 – 12:00 pm	Group Presentations	<i>D124/D125</i>
12:00 – 12:30 pm	Discussion: What's next? <i>Graham F. Hatfull</i>	<i>D124/D125</i>
12:30pm	Lunch & Adjournment	<i>Dining Room & Conf. Center</i>