

2022 Summer Purdue BigCare Workshop Schedule (May 13 - 27, 2022)

(All times are in EDT.)

(This daily schedule is subject to change. We'll announce the final schedule before workshop starts.)

WEEK 0: Pre-course activities		
Session	Pre-course Activities	BigCare Kickoff Day
Time (EDT)	May 2- May 12, 2022	Friday May 13, 2022
1:00 - 1:30 PM	<ol style="list-style-type: none"> 1. Enroll in Piazza, post introductions; 2. Build project teams (6-7 people); 3. Watch pre-course videos; 4. Setup computing environment and run pre-course Jupyter Notebooks. 	Opening Remarks and Introduction
1:30 - 3:30 PM		Introduction to Linux and Cluster Computing (Doug Crabill)
3:30 - 4:30 PM		Happy Hour and Q&A
4:30 - 5:00 PM		Form Teams for Group Projects

WEEK 1											
Session	Unit 1				Unit 2				Wrap-up Day	Presentation Day	Break
	1a. RNA-seq		1b. scRNA-seq		ChIP-seq				Group Project		
Time (EDT)	Monday		Tuesday		Wednesday		Thursday		Friday	Saturday	Sunday
	May 16, 2022		May 17, 2022		May 18, 2022		May 19, 2022		May 20, 2022	May 21, 2022	May 22, 2022
8:00 AM - 12:00 PM	Watch Video Lectures (Self-paced)	Virtual Office Hours	Watch Video Lectures (Self-paced)	Virtual Office Hours	Watch Video Lectures (Self-paced)	Virtual Office Hour	Watch Video Lectures (Self-paced)	Virtual Office Hours	Virtual Office Hours	Virtual Office Hours	
12:00 - 1:00 PM	Break		Break		Break		Break		Break	Break	
1:00 - 2:30 PM	Special Lecture (Dr. Timothy Ratliff, Purdue Univ.)		Special Lecture (Dr. James Mohler, Purdue Univ.)		Special Lecture (Dr. Sean Davis, Univ. of Colorado)		Special Lecture (Dr. Jill Barnholtz-Sloan, NCI)		Special Lecture (Dr. Eric Stahlberg, Frederick National Laboratory)	Group Presentations 1-5 PM	
2:30 - 3:00 PM	Break		Break		Break		Break		Break		
3:00 - 5:00 PM	Bulk RNA-seq Hands-On Session		scRNA-seq Hands-On Session		ChIP-seq Hands-On Session (Part 1)		ChIP-seq Hands-On Session (Part 2)		Group Discussion/ Virtual Office Hours		
5:00 - 6:00 PM	Break		Break		Break		Break		Break		
6:00 - 8:00 PM	Group Discussion/ Virtual Office Hours		Group Discussion/ Virtual Office Hours		Group Discussion/ Virtual Office Hours		Group Discussion/ Virtual Office Hours		Virtual Office Hours		
8:00 - 10:00 PM	Virtual Office Hours		Virtual Office Hours		Virtual Office Hours		Virtual Office Hours				

WEEK 2							
Session	Unit 3			Unit 4		Wrap-up Day	Presentation Day
	GWAS			Gene Regulatory Networks		Group project	
Time (EDT)	Monday	Tuesday		Wednesday		Thursday	Friday
	May 23, 2022	May 24, 2022		May 25, 2022		May 26, 2022	May 27, 2022
8:00 AM - 11:00 PM	Watch Video Lectures (Self-paced)	Virtual Office Hours	Watch Video Lectures (Self-paced)	Virtual Office Hours	Watch Video Lectures (Self-paced)	Virtual Office Hours	Virtual Office Hours
11:00-12:00 PM	CGC Webinar		IPA Training (10:30-12pm)				
12:00 - 1:00 PM	Break		Break		Break		Break
1:00 - 2:30 PM	Special Lecture (Dr. Warren Kibbe, Duke Univ.)		Special Lecture (Dr. Xihong Lin, Harvard Univ.)		Special Lecture (Dr. Bin Yu, Univ. of California, Berkley)		Special Lecture (Dr. Mark Kelley, Indiana Univ.)
2:30 - 3:00 PM	Break		Break		Break		Group Project Presentations 1-5 PM
3:00 - 5:00 PM	GWAS Hands-On Session (Part 1)		GWAS Hands-On Session (Part 2)		Network Hands-On Session		
5:00 - 6:00 PM	Break		Break		Break		Break
6:00 - 8:00 PM	Group Discussion/Virtual Office Hours		Group Discussion/Virtual Office Hours		Group Discussion/Virtual Office Hours		Virtual Office Hours
8:00 - 10:00 PM	Virtual Office Hours		Virtual Office Hours		Virtual Office Hours		