2021 Summer Purdue BigCare Workshop Schedule (Online via Zoom, June 7th - 20th, 2021)

(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	**Session 0**	
	Pre-course Activities	**Opening**
Time (EDT)	**Tue**	**Sat**
	June 1, 2021	**June 5, 2021**
	1. Enroll in Piazza, post introductions; 2. Build project teams (4-5 people); 3. Watch pre-course videos; 4. Setup computing environment and run pre-course Jupyter Notebooks.	
1:00 - 1:30 PM		**Opening Remarks and Introduction** (Jenna Rickus, Andrew Mesecar, Mark Kelley, Dennis Lin, Min Zhang)
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		**Forming teams for project**

	WEEK 1						
Session	**Session 1**		**Wrap-up Day**	**Session 2**		**Wrap-up Day**	**Break**
	RNA-seq	**scRNA-seq**		**ChIP-seq**			
Time (EDT)	**Monday**	**Tuesday**	**Wednesday**	**Thursday**	**Friday**	**Saturday**	**Sunday**
	June 7, 2021	**June 8, 2021**	**June 9, 2021**	**June 10, 2021**	**June 11, 2021**	**June 12, 2021**	**June 13, 2021**
8:00 AM - 12:00 PM	Watch Video Lectures (Self-paced) / Virtual Office Hours	Watch Video Lectures (Self-paced) / Virtual Office Hours	Virtual Office Hours	Watch Video Lectures (Self-paced) / Virtual Office Hour	Watch Video Lectures (Self-paced) / 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. Rebecca Doerge, Carnegie Mellon Univ.)	Special Lecture (Dr. John Quackenbush, Harvard Univ.)	Special Lecture (Dr. Stephen Chanock, NCI) **1:30 - 3:00 PM**	Special Lecture (Dr. James Mohler, Purdue Univ.)	Virtual Office Hours	Group Discussion/ Virtual Office Hours 1-5PM	
2:30 - 3:00 PM	Break	Break		Break	Break		
3:00 - 5:00 PM	bulk RNA-seq Hands-On Session (Jupyter Notebook & bulk RNA-seq Notebook)	scRNA-seq Hands-On session (scRNA-seq Notebook)	Group Discussion/ Virtual Office Hours	ChIP-seq Hands-On session (Jupyter Notebook Part1)	ChIP-seq Hands-On session (Jupyter Notebook Part2)		
5:00 - 6:00 PM	Break	Break	Break	Break	Break	Break	
6:00 - 8:00 PM	Group Discussion/ Virtual Office Hours	Group Discussion/ Virtual Office Hours	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		
Deadlines							

WEEK 2											
Session	**Session 3**				**Wrap-up Day**	**Session 4**				**Wrap-up Day**	**Presentation Day**
	GWAS				Wrap-up Day	**Gene Regulatory Network**				Wrap-up Day	Presentation Day
Time (EDT)	**Monday**		**Tuesday**		Wednesday	**Thursday**		**Friday**		Saturday	**Sunday**
	June 14, 2021		**June 15, 2021**		June 16, 2021	**June 17, 2021**		**June 18, 2021**		June 19, 2021	**June 20, 2021**
8:00 AM - 12:00 PM	Watch Video Lectures (Self-paced)	Virtual Office Hours	Watch Video Lectures (Self-paced)	Virtual Office Hours	Virtual Office Hours	Watch Video Lectures (Self-paced)	Virtual Office Hours	Watch Video Lectures (Self-paced)	Virtual Office Hours	Virtual Office Hours	
12:00 - 1:00 PM	Break		Break		Break	Break		Break		Break	Project Presentation 12 - 5 PM
1:00 - 2:30 PM	Special Lecture (Dr. Hongzhe Li, Univ. of Pennsylvania)		Special Lecture (Dr. Warren Kibbe, Duke Univ.)		IPA training (tentative)	Special Lecture (Dr. Mark Kelley, Indiana Univ.)		Special Lecture (Dr. Sean Davis, Univ. of Colorado)		Group Discussion/ Virtual Office Hours 1-5PM	Project Presentation 12 - 5 PM
2:30 - 3:00 PM	Break		Break		Break	Break		Break			
3:00 - 5:00 PM	GWAS Hands-On Session. (Jupyter Notebook & GWAS Basics)		GWAS Hands-On Session (GWAS Notebooks)		Group Discussion/ Virtual Office Hours	Network Hands-On Session (Jupyter Notebook Baiscs & Network Part 1)		Network Hands-On Session (Network Part 2)		Group Discussion/ Virtual Office Hours 1-5PM	Project Presentation 12 - 5 PM
5:00 - 6:00 PM	Break		Break		Break	Break		Break		Break	Happy Hour 5:00 - 6:00 PM
6:00 - 8:00 PM	Group Discussion/Virtual Office Hours		Group Discussion/Virtual Office Hours		Virtual Office Hours	Group Discussion/Virtual Office Hours		Group Discussion/Virtual Office Hours		Virtual Office Hours	Happy Hour 5:00 - 6:00 PM
8:00 - 10:00 PM	Virtual Office Hours		Virtual Office Hours		Virtual Office Hours	Virtual Office Hours		Virtual Office Hours		Virtual Office Hours	
Deadlines										Completion of post-course survey	