

Lectures schedule: Week 1

		Morning	Afternoon	Guest Speaker
Monday	June 16	Safety Training	The biology of the cell Eukaryotes/prokaryotes (Part 1)	
Tuesday	June 17	The biology of the cell Eukaryotes/prokaryotes (Part 2)	DNA RNA. Central dogma of biology.	
Wednesday	June 18	DNA Replication. PCR	Proteins. Mutations. Control of gene expression	12:00-1:30p.m.
Thursday	June 19	Juneteenth		
Friday	June 20	Microbiome. 16S significance. Posters	How to sequence DNA	

Week 2

		Morning	Afternoon	Guest Speaker
Monday	June 23	Bacteria Evolution	Viruses	
Tuesday	June 24	Emerging infectious diseases	Nipah Virus activity	
Wednesday	June 25	Immunity and SPR	Immunity	
Thursday	June 26	Memory and vaccines	Zika Vaccine	12:00-1:00 p.m.
Friday	June 27	HIV	Poster Research	

Week 3

		Morning Lab	Afternoon Lab	Guest Speaker
Monday	June 30		Memory and Vaccines	
Tuesday	July 1	SimBio simulation	HIV	
Wednesday	July 2	Poster prep	"Contagion" the Movie	
Thursday	July 3	Presentation		

Lab schedule:**Week 1**

		Morning Lab	Afternoon Lab	Guest Speaker
Monday	June 16	Introduction Safety Training 16S Swab	Bright field microscopy	
Tuesday	June 17	Microscopy Fluorescence	Three-way streak	
Wednesday	June 18	16S PCR	Sickle cell Hb lab.	12:00-1:30 p.m.
Thursday	June 19	Juneteenth		
Friday	June 20	Run 16S gels.	Set up 16S sequencing reaction.	

Week 2

		Morning Lab	Afternoon Lab	Guest Speaker
Monday	June 23	Serial Dilutions	16S Gram Stain	Poster Project
Tuesday	June 24	ABR Count and PCR	Coronavirus spread Bats activity	
Wednesday	June 25	ABR Sequence analysis CRISPR transform	CRISPR plate	
Thursday	June 26	CRISPR PCR	CRISPR Gel	12:00-1:00 p.m.
Friday	June 27	T4 plating	HIV evolution. Poster prep	

Week 3

		Morning Lab	Afternoon Lab	Guest Speaker
Monday	June 30	T4 analysis	ELISA	
Tuesday	July 1	ELISA	Ab Neutralization	
Wednesday	July 2	Poster prep		
Thursday	July 3	Presentations		

Other Activities: SimBio, HIV Evolution, Flu Vaccine, Nipah Virus