

Molecular Biology Camp

SAMPLE SCHEDULE

Date and Time	Activity	Location
Monday		
3:00-5:00 p.m.	Camp Check In	Dorm
5:00-6:00 p.m.	Dinner	Stevens Student Center (SSC) Dining Hall
6:00 p.m.	Welcome to Molecular Biology Camp: The Era of Genetic Medicine is Here!	Engineering and Science Center (ENS)
7:00 p.m.	Admissions Presentation	SSC
7:30 p.m.	Academic Camp Kick Off Party!	The Block
10:00 p.m.	Devotions with Counselors	Dorm
Tuesday		
8:00-9:00 a.m.	Introduction to Gene Editing	SSC Dining Hall
9:10 a.m.	Camp Photo	Outside SSC
9:30 a.m. - 12 p.m.	CRISPR Bacteria	ENS
12:00-1:00 p.m.	Lunch	SSC Dining Hall
1:00-4:00 p.m.	Lab Time - activities could include: <ul style="list-style-type: none"> • Intro to Tumor Suppressors • Microscopic Examination of Cancer Cells • Using an experimental cancer drug (BAY-293) to block mitosis • Biohacker Beginnings: Making 'living canvas' plates & growing bacteria for 'art exhibit' 	ENS
4:00-5:00 p.m.	Repairing Oncogenes with Gene Therapy	ENS
5:00-6:00 p.m.	Dinner	SSC Dining Hall
6:00-8:00 p.m.	Movie Night:	ENS
8:00-10:00 p.m.	Free Time	ENS
10:00-11:00 p.m.	Devotions with Counselors	Dorm
Wednesday		
7:00-8:00 a.m.	Breakfast	SSC Dining Hall
8:00-9:00 a.m.	Introduction to Vaccines	ENS
9 a.m.-12 p.m.	Lab Time - activities could include: <ul style="list-style-type: none"> • Tracking the Spread of Disease • Painting 'Living Canvas' with Transformed Bacteria 	ENS
12:00-1:00 p.m.	Lunch	SSC Dining Hall

Date and Time	Activity	Location
Wednesday (cont.)		
1:00-4:00 p.m.	Fun Activity	Off Campus
4:00-5:00 p.m.	Free Time	Campus/Dorm
5:00-6:00 p.m.	Dinner	SSC Dining Hall
6:00-7:00 p.m.	Vaccine Q and A	ENS
7:00-8:30 p.m.	Beneficial Microbes: Making Yogurt!	ENS
8:30-10:00 p.m.	Free Time	Campus/Dorm
10:00-11:00 p.m.	Devotions with Counselors	Dorm
Thursday		
7:00-8:00 a.m.	Breakfast	SSC Dining Hall
8:00-9:00 a.m.	Recombinant Proteins in Medicine	ENS
9 a.m. - 12 p.m.	<ul style="list-style-type: none"> • Native and Denaturing Gels of Recombinant Proteins • Check CRISPR cultures to see if experiment worked 	ENS
12:00-1:00 p.m.	Lunch	SSC Dining Hall
1:00-2:00 p.m.	Living Canvas Art Exhibit and Immortalization	ENS
2:00-3:00 p.m.	Did We Stop Mitosis?	ENS
3:00-4:00 p.m.	On Campus Field Trip: Microbes are Everywhere	ENS
4:00-5:00 p.m.	How to Biohack in Your Garage:	Campus
5:00 p.m.	All Academic Camp Picnic	The Block
6:00 PM	Games & Activities	Outside
8:30 p.m.	All Academic Camp Bonfire	Outside
10:00-11:00 p.m.	Devotions with Counselors	Dorm
Friday		
7:00-8:00 a.m.	Breakfast	SSC Dining Hall
8:00-9:00 a.m.	<ul style="list-style-type: none"> • Doudna Ted Talk • How CRISPR Gene Editing Works 	ENS
9:00-11:30 a.m.	<ul style="list-style-type: none"> • Gene Therapy & Biohacking Ethics Discussion 	ENS
11:30-12:30 p.m.	Lunch	SSC Dining Hall
12:30 p.m.	Check Out	Dorm