

Module 0: Welcome!!

BMES Cell Team

Fall 2020



Outline

- Introductions
 - Goals of Cell Team
 - Current Plan for this Quarter
 - Contact Information
- Things to Consider
 - Pre-Assessment
 - Feedback
 - Optional Trainings
- Announcements
 - Module 1 & Journal Club 1
- Lab Tour
- Social



Housekeeping

Since this is not a formal course, the following are allowed:

- Log in from wherever is most convenient and comfortable for you
- Have a coffee / tea / snack during Zoom sessions if you wish
- Occasional interruptions by cute pets or small children are welcome



Housekeeping

There are also some guidelines and rules:

- We **encourage** you to turn on your video so everyone can get to know each other better!

- However, if you want to turn your video off, you are free to do so

Skipping
school in 2019:



Skipping
school in 2020:



- **Mute** yourself during “lecture” portions
 - We want to reduce background noise as much as possible
- Please be **kind** and **respectful** to each other

Welcome to Cell Team!

2020-2021 PM's



Justin Chen

BE 3rd Year

justinxchen22@gmail.com



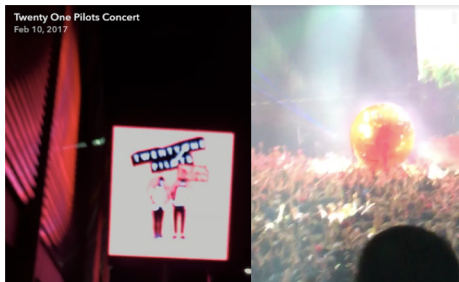
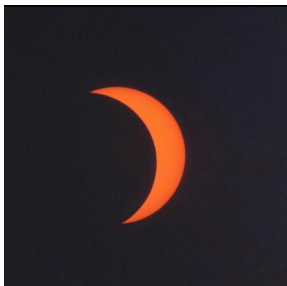
Anya Bekhtel

BE 4th Year

abekhtel@gmail.com

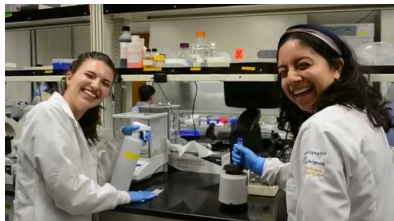
18 & Under

- Breakout Rooms
- Name, Hometown, Major
- One accomplishment before you turned 18?



Goals of Cell Team

- Learn the basics of wet-lab research:
 - In a low-stress environment
 - With plenty of time and resources
- Attain confidence in your technical skills
- Participate in discussions of current breakthroughs in biotechnology
- Gain exposure to bioengineering research conducted at UCLA

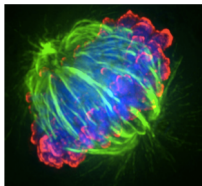


Structure of Cell Team

- Divided into **modules** and **labs**

Modules (Fall & Winter)

- Modules are similar to lectures
 - Accompanied by worksheets
- You will learn everything you need in order to be successful in labs



Labs (Winter & Spring)

- Hands-on applications of the materials you learned in modules

Cell Team events will typically be **after 6:00 PM PST** throughout the year

Attendance is **mandatory**

- We will schedule our events outside of common exam dates
- **Let us know in advance** if you can't make it (review session, etc.)

Current Schedule for this Quarter

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 4				Module 0 Introductions	
Week 5	Module 1 Cell Basics 7:00 PM			Journal Club ¹ 6:00 PM	
Week 6	Module 2 Western Blot 7:00 PM		Veteran's Day	Journal Club ² 6:00 PM	
Week 7	Module 3 Immunostaining 7:00 PM			Journal Club ³ 6:00 PM	
Week 8	Module 4 Intro to Cell Culture 7:00 PM			Thanksgiving	
Week 9	Module 5 Cell Counting & Viability Assays 7:00 PM			Journal Club ⁴ 6:00 PM	

Group Communication



Snapchat

- Add us on snapchat, and we will add you to the group!
- @jcheno21 and @anyabekhtel
- Will be used for informal communication



Slack

- Join the Slack at `bmes-hq.slack.com`
- We will add you to the Cell Team channel
- Turn on notifications!
- Will be used for formal communication



Website

- We will be using a website to post module powerpoints, module worksheets, journal articles, and (hopefully) lab protocols
- The link to the website is:

<https://bmescellteam.github.io>

BMES CELL TEAM

SPONSORED BY THE UCLA BIOMEDICAL ENGINEERING SOCIETY

Things to Consider

Real Time Feedback

- We want to create a version of Cell Team that can effectively help you prepare for your next steps at UCLA
- If there are any concerns you have throughout the year, feel free to submit feedback anonymously to this Google Forms Link
- <https://forms.gle/5KX7sgd2v43kZ48d8>
- At any time, you can provide suggestions on how we can improve
- Your response will be anonymous to us

Things to Consider

Pre-Cell Team Assessment

- Please fill out this form before our next meeting
- <https://forms.gle/Tg7xxEWmeUnduHL79>
- You will complete a similar form at the end of the year
- For us:
 - Allows us to see what you already know
 - Helps us better tailor what we cover to your interests, backgrounds, and experiences
- For you:
 - Gives you a brief overview of what you can expect to learn in Cell Team this year

Things to Consider – If We Do In-Person Experiments

Lab Coat

- When we return to campus, you will need a lab coat to conduct experiments
- You have two options for acquiring a lab coat :
 - Purchase a flame-resistant lab coat from AXΣ for \$53 located at 1275 Young Hall
 - Borrow one for free through the BMES Lending Library
- If you choose to take Chemistry 20L or 30AL in person, you will need a flame-resistant lab coat anyways

Things to Consider – If We Do In-Person Experiments

Lab-Safety Course

- You need to be lab certified before conducting experiments in the Boelter Teaching Lab
- Go to worksafe.ucla.edu and complete the following courses:
 - Lab Safety Fundamentals
 - Chemical Hygiene Plan
- For this year, you *might* have to complete a COVID-19 Return to Work Training as well
- You can finish these whenever you have time, but they must be completed before conducting on-campus research

Reminders and Announcements

- BMES Membership

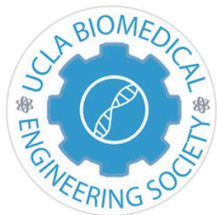
- Venmo \$6 Annual Membership Fee

- Module 1: Cell Basics

- Monday 11/2 at 7:00 PM

- Journal Club 1: Your Choice!

- Thursday 11/5 at 6:00 PM
- Vote on one of the following topics:
 - **COVID-19:** Vaccines In Development
 - **Dr. Chen:** Engineering CAR-T Cells for Next-Generation Cancer Therapy
 - **Dr. Meyer:** The AXL Receptor Is a Sensor of Ligand Spatial Heterogeneity



BMES UCLA TREASURER
@BMESUCLA