UC SAN DIEGO

BIOMEDICAL ENGINEERING SOCIETY

2025-2026

General Body Meeting #1

Fall 2025

October 1st, 2025





Please fill out the form. PLEASE
WRITE DONUTS IN FOOD
RECEIVED!!! PIZZA IS
TECHNICALLY NOT PART OF THIS
EVENT. Thanks!!



Scan Here!





EXECUTIVE BOARD



VP External

Jenna Cecil she/her 4th | 7th BTCH jececil@ucsd.edu



EXECUTIVE BOARD







ABOUT US

BMES is an org first and foremost centered around creating a community of students passionate about bioengineering. As a team, we aim to prepare our members for their professional lives while having a fun time doing it!







SOCIALS



Mailing List



Discord



Instagram





ICE BREAKERS

- 1. How was your summer/what did you do?
- 2. If you could go to any universe, where would you go to?
- 3. If you were an animal, what animal would you be?





OFFICERS AND COMMITTEES











Anika Yogi Lab Expo

Jade Lee Lab Expo







Aiden Burgueño Medical Innovation Conference



Theo Hirsch



Rithika Sathish Outreach



Nikaash Bahl VP Internal

Ben Bridgelal VP Finançe,

BMFS

Abby Babikian Outreach

Ananya Kharya Outreach

Martin Hawks Webmaster

Internal

Kate Reimold Co-President





Houston Harding Bioengineering Day



Vriz Bestafa Bioengineering Day



Thejo Tattala Project Team



Maggie Lau New Student Committee





LAB EXPO

A

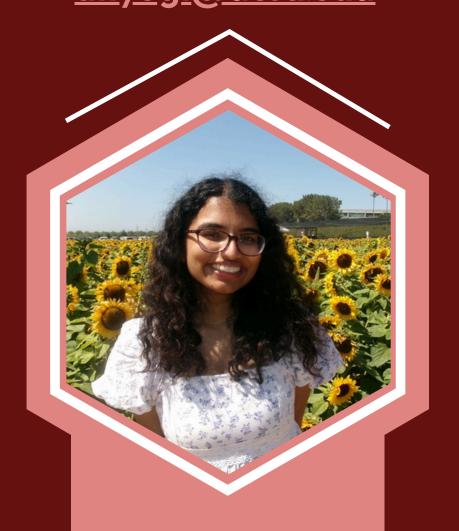
Jade

she/hers
2nd Year | Seventh
BENG: BTECH
jll010@ucsd.edu





Anika Yogi
she/her
2nd Year | Marshall
BENG: BENG
anyogi@ucsd.edu





About Us!

Lab Expo is an annual research symposium, organized by undergraduates for undergraduates, that aims to showcase the work of labs on and around campus.

Our mission is three-fold:

- Develop Scientific Literacy
- Promote Interdisciplinary Collaboration
- Encourage Scientific Advocacy







What can Lab Expo

do for you?

- Discover cutting edge research
- Explore different fields of studies
- Network with:
 - Professors + Faculty Members
 - Researchers
 - Industry Reps
- Develop communication and networking
- Join labs, internships, jobs!!



- Gain valuable professional skills
- Gain impressive leadership and communication skills
- Meet student leaders, make friends, have fun!

Joining Lab Expo Committee:





We want YOU to be involved in Lab Expo!

Sub-Lead positions will be available to ensure that everyone is able to contribute their voice to the event!!



^^ Scan QR code for more details on each position!

Sub-Lead Positions

- Advertising
- Collaboration Contact
- Department Contact
- Grad Student Panel
- Networking
- Poster Session





OUR FIRST MEETING

Tuesday, OCT 7th from 6-7 PM in PFBH

FREE CHIPOTLE





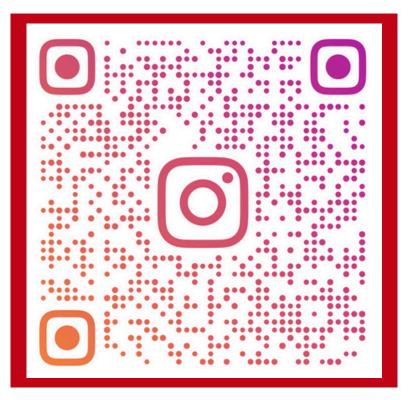


Join our Discord!



https://discord.gg/XRz6WGPvzu

Follow us on Instagram!



@labexpo.at.ucsd



MEDICAL INNOVATION CONFERENCE

K

Theo

He/Him
2nd Year | Sixth
BENG BTEC
thhirsch@ucsd.edu





Aiden
He/Him
2nd Year | ERC
BENG BENG
aburgueno@ucsd.edu





The Medical Innovation Conference (MIC) highlights the translation of scientific and engineering discoveries into clinical applications. By convening leaders from academia and industry, the conference exposes undergraduates to the breadth of opportunities in translational medicine and inspires them to pursue impactful careers. Through panels, keynote lectures, and networking opportunities, MIC fosters an informed community of future innovators dedicated to advancing healthcare.







Mark Your Calendar!

MIC 2026 is scheduled for:

WEDNESDAY

FEB. 11th

2026





MIC 2026 Keynote Speaker

Dr. Mireille Kamariza is an Assistant Professor in the Department of Bioengineering at UCLA, where she leads research focused on developing chemical biosensing tools for infectious diseases. She earned her Ph.D. in Biology from Stanford University, where she worked under the mentorship of Nobel laureate Carolyn Bertozzi. Her doctoral research led to the creation of a novel diagnostic molecule for tuberculosis, a project that culminated in the founding of OliLux Biosciences, Inc., a company dedicated to providing low-cost diagnostic solutions for global health challenges. Dr. Kamariza's work has been recognized by Fortune magazine, which named her one of the world's most powerful women in 2017, and by Chemical & Engineering News, which included her in its "Talented 12" in 2020. Her innovative approach to diagnostics continues to impact public health strategies worldwide.



Dr. Mireille Kamariza







Join Our Discord!

Our First Meeting

+ Free Costco Snacks

(Mark Your Calendar Again)

THURSDAY OCT. 9th

6 - 7 pm PFBH 291



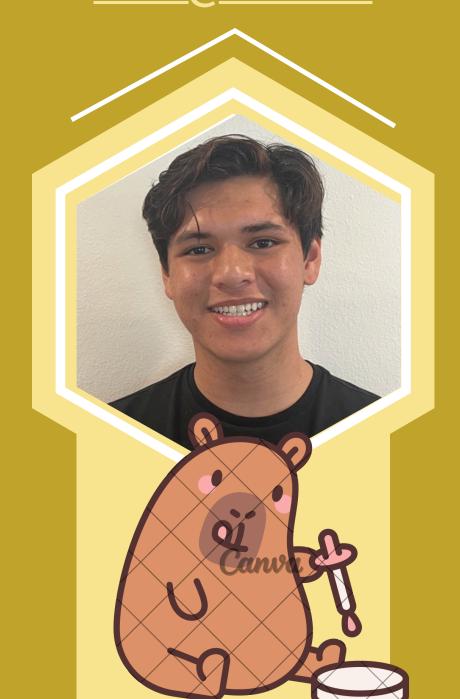








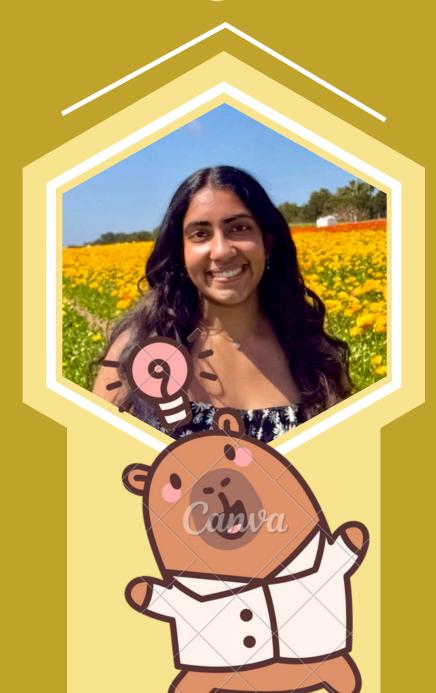
Connor Uhre he/him/his 5th Year | Warren Biotechnology cuhre@ucsd.edu



SOCIAL



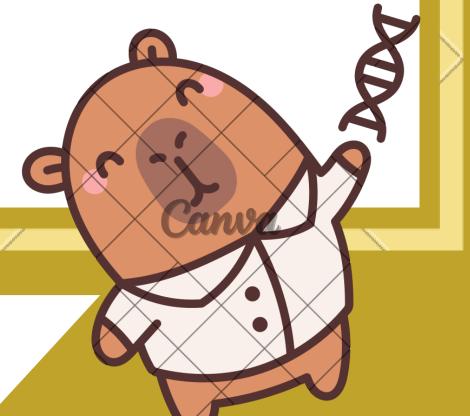
Anjali Tholudur
she/her/hers
2nd Year | Marshall
Bioengineering
atholudur@ucsd.edu





About Us!

Social Committee aims to unite the various committees of BMES on both professional and personal levels through social events as well as our yearly mentorship program!









Mentorship Program

- BMES prides itself on a mentorship program meant to aid new students in making research, industry, and social connections.
- During the next 5 weeks, all of our social events will be geared towards letting potential mentees and mentors socialize and possible pair up
- We encourage all of our members to sign up!



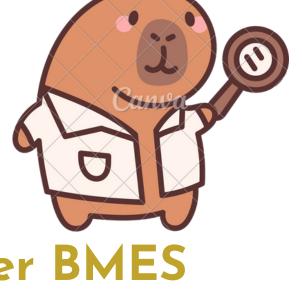
Sign Up Here!





BMES Beach Day!

- Free Snacks!
- Beach Activities!
- Mingle and get to know other BMES members!





Beach Day Directions







Upcoming BMES Events

- Beach Day THIS SATURDAY 2-5pm @ La Jolla Shores
- Mentorship Mixer #1 on Wed, Oct. 8 @ 6-7pm in PFBH 291
- BMES SocialxNSC Barbeque on Sat. Oct. 18 @ 2-5pm in PCW

Later in the Quarter:

- San Diego Zoo Trip
- Halloween Party
- Mentorship Mixers and Reveal in Week 6!





NEW CHALLENGER APPROACHING



BIOWORKS



Emily Pan
she/her
3rd | Sixth
BENG: BTECH
e2pan@ucsd.edu





Finn McRae
he/him
4th | ERC
BENG: BTECH
fmcrae@ucsd.edu





The BioWorks Committee aims to make scientific discovery accessible by providing hands-on experimental experience to all students. We provide students with research opportunities through immersive workshops, seminars, and real-world exposure to laboratory and industry environments. By fostering a community of curious minds equipped with tangible skills, we empower students to transform ideas into discoveries.





Brief Overview

Fall Quarter:

- Project Cycles mentored research opportunities and get matched into a research lab
- Networking opportunities with industry leaders and graduate students
- Introduction to research, journal clubs, and more

Winter Quarter:

- New Project Cycles!
- Hands-on wet lab workshops

Spring Quarter:

- Bioinformatics-centered workshops
- Biotech BENGathon
- and a new set of Project Cycles!





Hands-on Workshops

4 Wet-Lab Workshops

- Winter Quarter weeks 2, 4, 6, and 8
- Will take place in new Undergraduate Instructional Lab (PFBH Floor O)
- Learn Experimental Design, basic biological research techniques (PCR, plasmid cloning, etc.)
- Obtain a Certificate of Achievement demonstrating your proficiency to potential Pls
- Geared toward Non-BTECH majors interested in Wet Lab and BTECH underclassmen looking to get a head start on these skills

Fill out Interest Form ASAP!

Limited Spots Available







Upcoming Events

Weekly committee meetings: Tuesdays 7-8PM in PFBH 291

Week 2: Introduction to our committee with FREE Mendocino Farms!

Week 3: Workshop on tips to joining a research lab

Week 4: Project cycle mixer with mentors from the Metallo & Xu labs

Week 5: Introduction to Journal Clubs and scientific literature

Week 6: Industry Panel: Illumina, Philips, Thermo Fisher - FREE

FOOD

illumına®



Thermo Fisher S C I E N T I F I C





Apply to be a Sublead

- Wet Lab Sublead (2) Enhance your technical skills and understanding as a co-leader during workshops
- Workshops Sublead (2) Present on related topics and improve your presentation and educational skills
- Bioinformatics Sublead (2) Further your dry lab skills by assisting in development of Bioinformatics workshops
- Biotech BENGathon Sublead (2) Lead the Biotech BENGathon in Spring, great for networking!
- Advertising Sublead (1) Garner excitement about the committee by managing our socials!



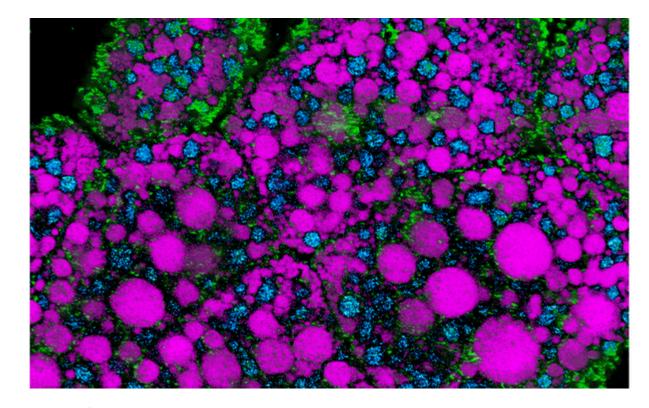
Application due Friday
October 10





Shi Lab

- Develop and apply advanced optical imaging to study metabolism, aging, neurodegeneration, and cancer
- Gain hands-on experience in microscopy and spectroscopy, cell culture, tissue processing, and image analysis
- Time commitment: 10-12 hours/week



Lipid Diversity in fruit fly Fat Tissue

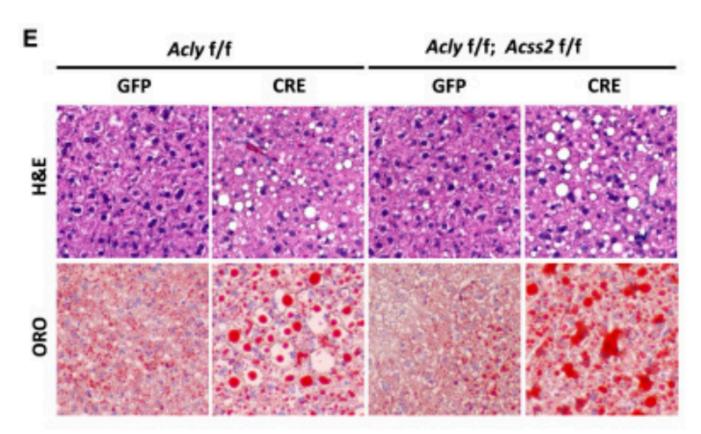




Project Cycles

Metallo Lab

- Study how metabolism contributes to human disease
- Gain hands-on experience in cell culture, western blot, immunostaining, mass spectrometry, and microscopy
- Seeking juniors for a 2-year
 commitment (1 year for course credit;
 1 year volunteer)



Histological Staining of Liver cells to assess fat quantity (Liu et al, 2025)

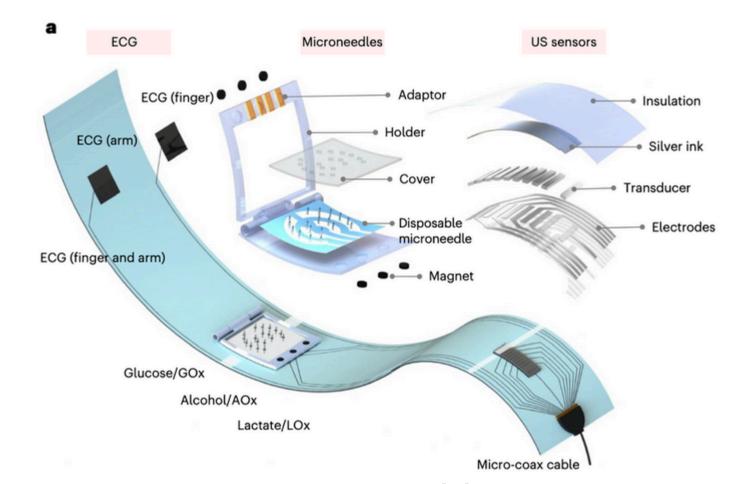




Project Cycles

Xu Lab

- Develop wearable devices that capture biological signals for long-term monitoring.
- Gain hands-on experience in materials science, fabrication of ultrasonic transducers, hardware development, and signal/image processing.
- Time commitment 15 hours/week



Continuous glucose and heart rate monitor for Diabetes Management (Chang et al, 2025)

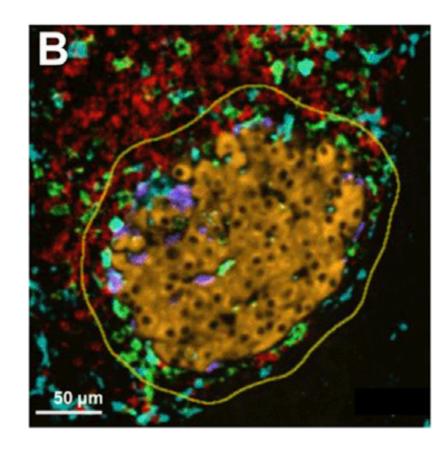


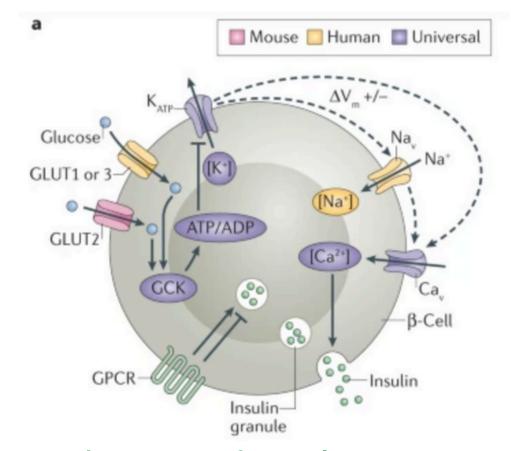


Kravets Lab

• Details Coming Soon!

Various Cell types of the Pancreatic Islet (Balasenthilkumaran et al, 2024)





Mechanism of insulin secretion by pancreatic ß cells (Benninger et al, 2022)





Project Cycle Selection

- You MUST be a paid BMES member to apply (more info later tonight from eboard)
- Applications are DUE Friday of Week 4 (October 24th at 11:59PM)
- Interviews will take place during week 5
- Initial interviews will be with the BioWorks Co-Chairs, and top candidates will be chosen to be interviewed by the labs
- · Project cycle mentor mixer during our week 4 committee meeting
 - Tuesday, October 21st 7PM in PFBH 291





Project Cycle Application







Coming Soon!

Shi Lab

Metallo Lab

Xu Lab

Kravets Lab





Join us on Tuesdays from 7-8PM in PFBH 291



Workshop Interest Form Again!
It is important we get an accurate count to report to the Bioengineering department





Join our Discord!

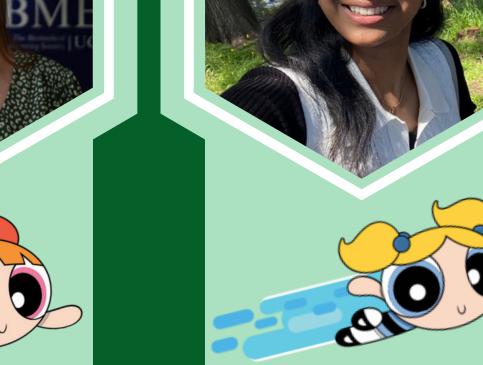


OUTREACH

Abby Babikian
she/her
2nd year | Seventh
BENG: BTECH
ababikian@ucsd.edu











Ananya Kharya
she/her
2nd year | Marshall
BENG: BTECH
akharya@ucsd.edu





About Us

The Outreach committee focuses on giving back to the community through volunteer events and various skills workshops. Through providing an accessible STEM education and creating opportunities for collaboration, we hope to foster a sense of community within BMES, K-12 students, STEM educators and enthusiasts in the greater San Diego region because engineering is for everyone!



Officers, past & present!





Outreach last year...

- Volunteering with Feeding San Diego,
 Light the Night, and Father Joe's Soup
 Kitchen
- Presenting the Continuing STEM
 Education Project at SDFSE, Deer Canyon
 STEAM Night, and Imperial Valley STEAM
 Day
- Workshops and collaborations, including EDGE Girls Day Out





Outreach this year...

- Building community by volunteering with local organizations, including Feeding San Diego & Light the Night
- Developing engaging projects to present at STEM education fairs for local youth
- Facilitating mentorship between UCSD undergraduates & high school students
- Organizing workshops and hands-on projects using Arduino, CAD, etc.





Feeding San Diego



Light the Night



Arduino Workshop

and more.....





Join Outreach!



Monday 5:30pm **PFBH 391**



Help us share the joys of bioengineering with our local communities!

Be a part of:

K-12 outreach

Community service programs
Tech skills like Arduino & CAD
Fun STEM events

+ friendships



Join us for our first meeting! Monday, Oct. 6th, 2025 5:30 PM in PFBH 391 FREE COSTCO SNACKS!



Discord!





All

communications on Discord!



BE DAY

BE

Avriza Bestafa
he/him
3rd-year | Warren
BENG:BENG
abestafa@ucsd.edu





2nd-year | warren BENG:BTEC hharding@ucsd.edu







We are the largest bioengineering event at UCSD! We host a variety of industry demos, presentation of the senior design projects, a keynote speaker, the last round of quizbowl, presentation of the project team project, and networking galore!

And we put it all together!





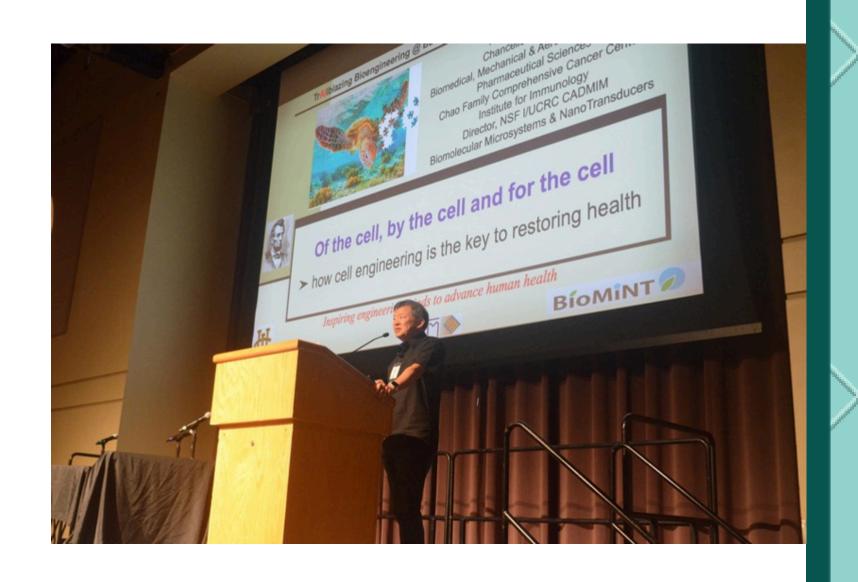
Sublead Postions

Keynote

Contact, acquire, and manage BE Day's keynote speaker

Industry Demo & Judges:

Contact industry professionals to set up tables for demos, as well as judging the senior design projects







Sublead Postions

Finance

Create sponsorship packages and secure funding for the event

Media & Advertising:

Create posters, manage our IG page, and run our website







Sublead Positions Con't'

Quizbowl:

Manage our annual
Quizbowl tournament,
with the final round at
BE-Day





Sublead Applications!





Pull up!!!!
Monday 10/6
PFBH 291
7-8 PM

FREE Mendocino Sandwiches!

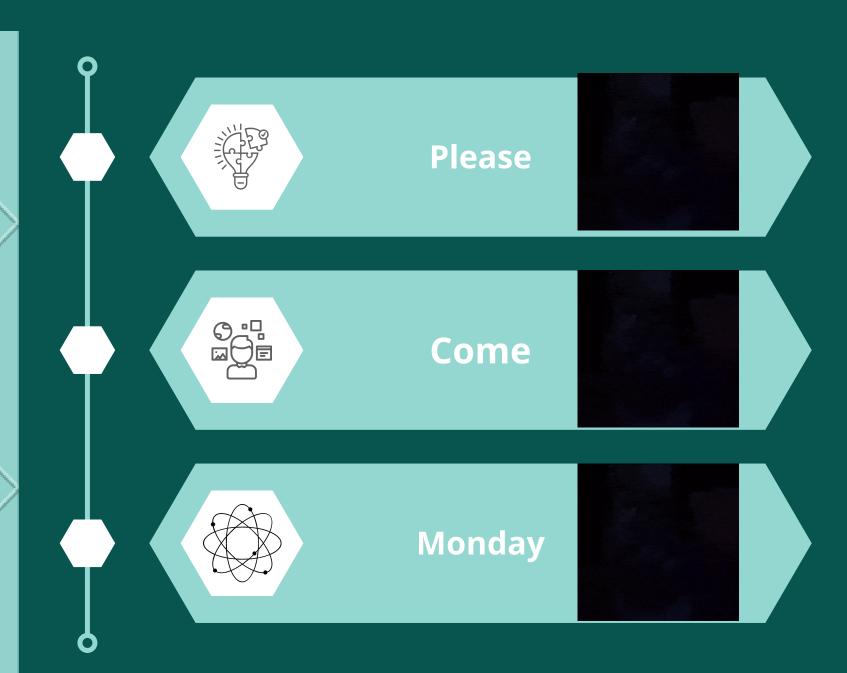






Thank You!!!







PROJECT TEAM

Thejo Tattala she/her/hers 2nd year | Sixth College Mechanical Engineering thejotattala@gmail.com Rohan Kumar
he/him/his
4th year | ERC
BENG: BENG
rgkumar@ucsd.edu













About Us

The Project Team Committee equips students with the skills and mentorship to bring ideas to life through engineering design and innovation. Throughout the year, members gain hands-on experience in CAD, coding, Arduino, circuit design, and fabrication, while collaborating on long-term projects and creative design challenges. We also host skillbuilding workshops that ensure there is no barrier to entry for new learners. By blending teamwork, creativity, and technical mastery, we empower students to develop impactful projects and showcase their work at BE Day and beyond.







Brief Overview

Fall Quarter

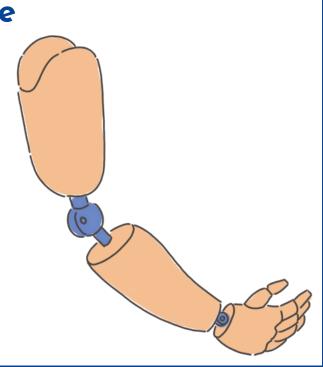
- Hands-on introductory workshops (Intro to CAD, coding, circuits, etc.)
 (To be continued for the remaining quarters)
- Brainstorming, research, and early design development
- Participate in Biomedical Device Design Challenge

Winter Quarter

- Detailed design and modeling
- Iteration and team check-ins

Spring Quarter

- Fabrication and prototyping
- Refinement and testing
- Final presentations at BE Day!









Upcoming Events

- First Committee Meeting 10/8 Meet the team & enjoy free Mendocino Farms!
- CAD Workshop 10/15 Learn the basics and start building your design skills
- First Workday 10/19 Kick off our project with hands-on collaboration







Apply to be a Sublead

- Develop leadership skills by mentoring team members
- Strengthen technical expertise
- Gain project management experience
- Collaborate with peers and faculty while building lasting connections in engineering and design.









Discord

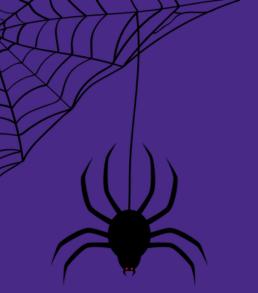


Instagram

Commitee
Meetings
WED 7-8pm
PFBH 291

Pull up!





WEBMASTER



Ivy Hawks
They/She
4th | Revelle
Data Science
mahawks@ucsd.edu



viission Staten.

The Biomedical Engineering Society (BMES) at the University of Department of Bioengineering and for those interested in Biome undergraduates to get involved with their education and start many

Our linktree for other related links, including how

Committees

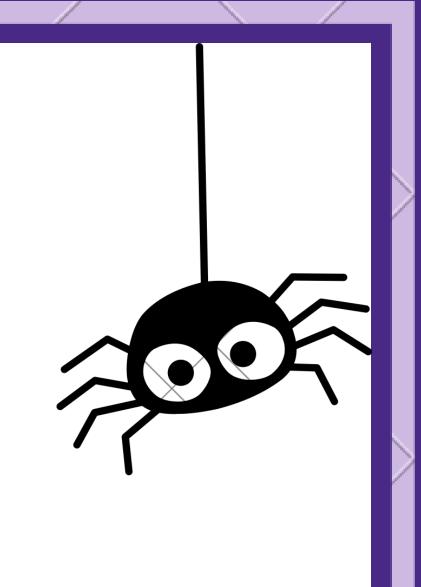






New Website!

- Events
- Committee Meeting Times
- GBM Times
- Org Wide Info
- ...And more to come
- Member Portal
 - Edit Profile, Sublead Roles





BMESATUCSD.ORG



NEW STUDENT COMMITTEE

Ava Van Damme She/Her

> 2nd | Revelle BENG: BSYS

avandamme@ucsd.edu







mal099@ucsd.edu







NSC is dedicated to connecting and engaging freshmen and first year transfer students with fellow peers, BMES, and the Bioengineering Campus community.







Why Join NSC?

- We host professional development workshops, socials, and many cool bioengineering-centered events
- Create lasting connections and gain valuable skills!
- Lots of opportunities for personal development and networking
- Leadership opportunities as a NSC sublead





Overview of Events

- Workshops Course selections
 - BENG Degree Flowchart
 - Upperclassmen Q&A Session
- Major Events
 - Fall Switching into Bioengineering
 - Winter Bengathon
 - Spring The Bioengineering Experience
- Socials (collab with Social Committee)
 - Mentorship program + mixers





Sublead Positions

Interested in leadership?

Apply to be a NSC Sublead!

- Switching Into Bioengineering (2)
- Bengathon (2)
- The Bioengineering Experience (2)
- Advertising/Marketing (1)





Committee Meetings

Weekly Meetings

- Wednesdays
- 5-6pm
- PFBH 291

1st Committee Meeting:

- Oct 8 (Wk 2)
- In-depth overview of committee
- Sublead positions





Join us!



Discord

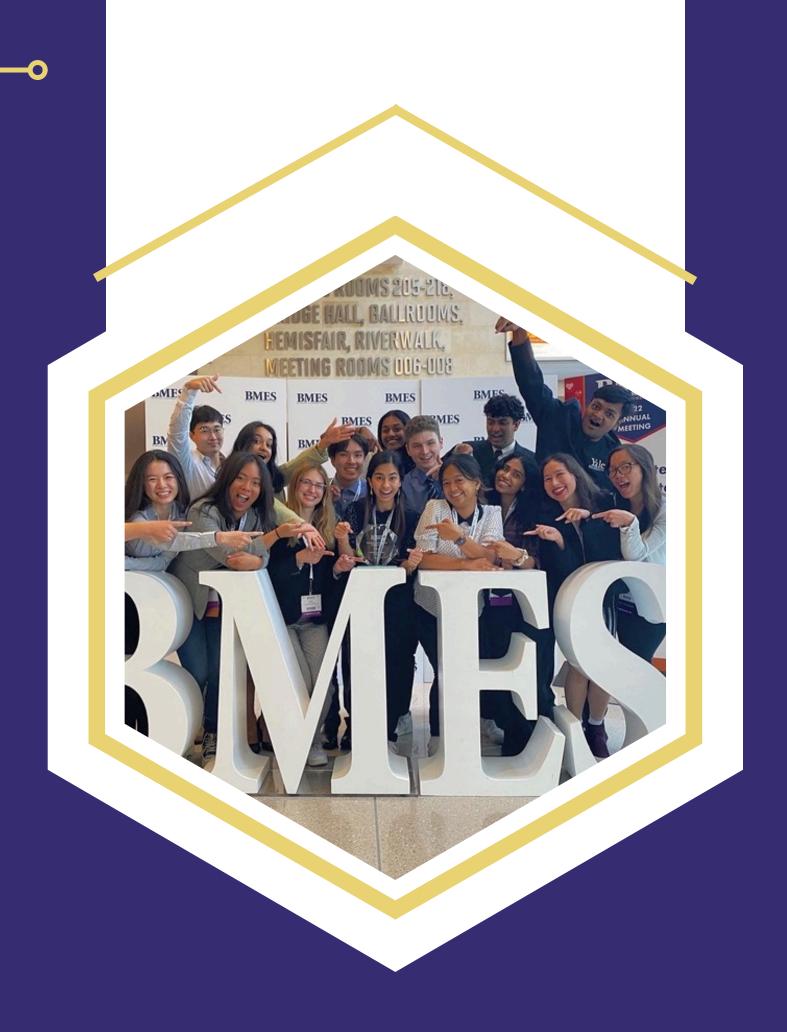


Instagram



ORG-WIDE UPDATES







OPPORTUNITIES

- 20 limited seats!
- First come first serve
- Must be a paid member!

JCSD BMES PRESENTS

Johnson&Johnson site visit



NOVEMBER 10, 2025 1:00 - 3:30 PM







FIRST COME FIRST SERVE APPLY BY OCTOBER 3RD!

CONTACT BMES.UCSANDIEGO@GMAIL.COM FOR QUESTIONS





Grad Series Workshops!

BIOMEDICAL ENGINEERING SOCIETY

DETAILS:

Time: 7:30-7:30 PM

Where: PFBH 161



GRAD SERIES WORKSHOPS

DETAILS:

Dates:

Oct 8th - What to Prepare for Grad School with BEGS Oct 29th - How to Strategically Apply with Dr. Brian Aguado Nov 12th - Personal Statement or Statement of Purpose Review Dec 3rd - Interview Tips/Practice

We're excited to share our upcoming Grad Application Series, designed to support students through every stage of the application process. The series kicks off on Oct 8 with What to Prepare for Grad School in collaboration with BEGS, followed by Oct 29 with How to Strategically Apply led by Dr. Brian Aguado. On Nov 12, we'll host a session dedicated to Personal Statement or Statement of Purpose Review, and we'll wrap up on Dec 3 with Interview Tips and Practice, which is open to anyone interested in participating.

BECOME A PAID MEMBER



Funds projects for **Project Team**

Supports the Mentorship Program

WHERE DOES YOUR MONEY GO?

Funds
workshops
hosted by the
committees

Funds events for **Outreach**

Elevates conference experiences

Ultimately, it goes to **YOU** and the **ORG**





BMES MEMBERSHIP

NON-PAID

PAID

	MEMBER	MEMBER
Join committees		
Attend Info Sessions		
Attend Socials		
BMES T-shirt	_	
Mentorship Program	_	
Apply for Officer Posititions	_	
Apply for Project Cycles	_	
End of the Year Banquet	_	
BMES Olympics	_	



BECOME A PAID MEMBER





T-SHIRTS!!







THANK YOU,





UCSD BMES LINKTREE