



UCI BioSci Student Affairs

BIO SCI ANNOUNCEMENTS & EVENTS S'24 - Week 7

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1. Specialized Change of Major Workshop - May 15 (Zoom)

Interested in specializing in the School of Biological Sciences?

CHANGE OF MAJOR WORKSHOP

Date: Wednesday, May 15th from 1 PM - 2 PM
Zoom Link: <https://uci.zoom.us/j/93553708649>

Come speak with professors and peers involved in the specialized majors in the School of Biological Sciences!

2. Study Abroad Workshops for Bio Majors

Want to Study Abroad but don't know where to start?

Please join us for a workshop for Bio Sci majors to go over the process of selecting a program, best timelines, programs to consider, and to hear experiences from Bio Sci students who have participated in Study Abroad/UCEAP!

Please RSVP with this link [here](#) for a Workshop below. There are remote and in-person options:

- Zoom: Fri, May 17th, 11-11:50AM
- Zoom: Wed, May 22nd, 10-10:50AM
- In-person: Wed, May 22nd, 2-2:50PM, **NS1 3116**



Studying Abroad As Bio Sci Majors

Please RSVP for a workshop:

Via Zoom*:
FRIDAY, MAY 17TH @11AM
WEDNESDAY, MAY 22ND @ 10AM

-OR-

In-person:
TUESDAY, MAY 14TH @ 11AM
WEDNESDAY, MAY 22ND @ 2PM

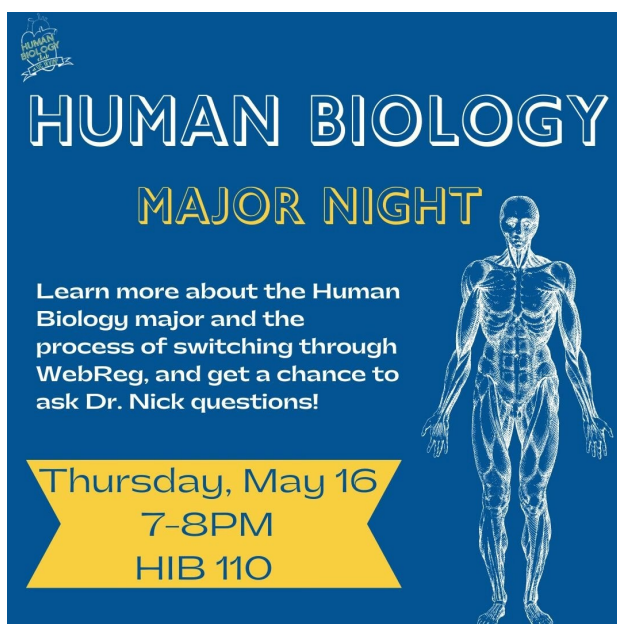
* Zoom link provided after RSVPing

Attend an informational workshop on how to choose a program, apply, and receive course credit abroad!

RSVP: <https://forms.gle/XJmpQ7AuEGeXaJYA>

The poster features a green background with a globe, a camera, a laptop, a suitcase, and a hat. The text is in white and yellow, with some words in italics.

3. Human Biology Major Night: May 16



HUMAN BIOLOGY MAJOR NIGHT

Learn more about the Human Biology major and the process of switching through WebReg, and get a chance to ask Dr. Nick questions!

Thursday, May 16
7-8PM
HIB 110

The poster features a blue background with a white anatomical drawing of a human body. The text is in white and yellow. There is a small logo in the top left corner.

4. Research Opportunities

Seeking Undergraduate Researcher(s) Interested in Structural Biology and Immunology

Our lab studies how novel proteins function in the context of innate immunity. Pertaining to this position, we study how proteins originating in bacteria which are now in fungi have since been repurposed by their new organisms. An undergraduate researcher(s) in the lab would assist in the preparation, expression, and purification of these proteins as well as their structural determination (figuring out how they look in the cell) via X-ray crystallography.

We're looking for 1-2 students who would be available to come to the lab for somewhere between 5 to 10 hours per week for stretches of at least 3 hours at a time. Previous protein science experience would of course be preferred, but is definitely not required. Priority will be given to students with prior lab experience!

If you are interested, please contact Ali Nabhani at nabhania@uci.edu. **The deadline to apply is May 20th.**

Bio 199 Research Opportunity to Study Diabetes, Obesity, and Gene-Environment Interactions

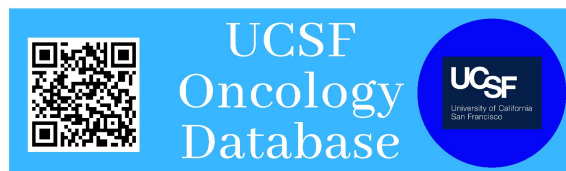
The Department of Developmental and Cell Biology's Blumberg Lab is seeking driven, enthusiastic Bio-199 undergraduate researchers with strong interests in gene-environment interactions, epigenetics, obesity, diabetes and metabolic disease. More information about the lab can be found here: <https://blumberg-lab.bio.uci.edu/>.

The Blumberg Lab is broadly interested in the study of gene regulation and intercellular signaling during embryonic development. They are studying the relationship between exposure to endocrine-disrupting chemicals and obesity/diabetes and the epigenetic processes underlying the effects. Students will have the opportunity to work with animals and at the bench, and will have the autonomy to start personal research projects in the future.

Students would start this summer and are expected to commit **20 hrs/wk** throughout the summer and the academic year. Nearly all students who work in the lab for an extended period of time have co-authored publications.

If interested, please submit a short personal statement and why you want to join the lab, a CV, and an unofficial transcript to blumberg@uci.edu.

5. UCSF Oncology Database Project Opportunity



[About Us](#)

UCSF MD/PhD graduate building a clinical oncology drug database for FDA approved and non-approved treatments to serve as an educational and research tool to instruct treatment decisions and future/ongoing oncology trials.

[Project Goal](#)

To assemble a comprehensive database of clinical trials in all oncologic indications. This database will directly be accessed by clinicians and other stakeholders to understand the treatment landscape, standard of care, as well as molecules actively under clinical development.

[Internship Opportunity](#)

This is a completely remote research opportunity. We are looking for candidates who are interested in learning about clinical oncology, detailed oriented, responsible and good communicators. Possible to provide recommendation letters.

By the end of the internship, you will:

- Become experts in reading journal articles and abstracts related to clinical oncology
- Accurately extract and report information from journal articles onto the database
- Critically analyze trends and patterns based on data from the database
- Communicate and present said trends from the data and integrate that knowledge in the context of clinical practice and treatment

[Didactics](#)

Dr. Ryan Chang, MD/PhD, will be hosting biweekly didactics sessions in which Dr. Chang will go through a case presentation and outline the process by which a physician identifies, diagnoses, and recommends treatment for patients with cancer. This is a fantastic opportunity to both directly hear a physician's thoughts and see how the database can be used in a clinical setting.

[Application](#)

Application link (or scan QR code): <https://forms.gle/UqDoGz6nZFhVL7o8>

Priority deadline: May 29, 2024; Final deadline: June 3, 2024

Email Nicholas Tien at ntien@ucla.edu with any questions or concerns.

Hi everyone!

My name is Nicholas (UCLA Class of 2024!) and I am the current Data Lead Associate for the UCSF Oncology Database. We are a fully remote group working to compile an oncology database of relevant clinical trials related to all cancer indications to instruct treatment decisions and future/ongoing oncology trials for physicians and other stakeholders. The project is led by Dr. Ryan Chang, an MD/PhD clinical fellow currently

working at UCSF. You will get to consistently interact with him through case presentation didactic sessions throughout the course of the internship. Attached is a flier with more details about the internship and the link to the application (also available by scanning the QR code). The priority deadline is Wednesday, May 29 at 11:59 PM. Please message me at ntien@g.ucla.edu with any questions!

Link to application: <https://forms.gle/nQBAANp2nt5caYSJ8>

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Nicholas Tien

6. Samuel Merritt University, College of Podiatric Medicine Summer Enrichment Program - Apply by June 14

If you are considering a career in podiatric medicine and surgery (or know someone who is), then I'd like to invite you to [the 2024 CPM Experience](#), a summer enrichment program. During this three-day workshop, you'll get a chance to explore the profession of podiatric medicine, shadow faculty and students in a variety of settings, learn how to cast and suture, and participate in organized lectures covering the correlation between podiatric medicine and the basic sciences. We'll also spend some time covering the DPM application and admission process.

The CPM Experience: Summer Enrichment Program

July 17-19, 2024

Samuel Merritt University
College of Podiatric Medicine
3100 Telegraph Avenue
Oakland, CA 94609

To learn more about the program, including the availability of travel support, and to submit your application, visit the [CPM Experience webpage](#). Applications are due by June 14.

7. UTEACH: Develop and Teach Your Own Class at UCI, Apps due June 7

Dear students:

UTeach is a program that enables undergraduates to design, develop, and teach their own lower-division seminar at UCI.

UTeach courses can be taught by students from any major. Our current classes cover a vast and lively range of topics, including the Physiology of Superheroes; the Eco-Narratives of Studio Ghibli; Transmedia Storytelling; Shakespeare in High School; the United Nations; Treaty Design; Southeast Asian Gangs; History and "Hamilton"; Warfare and the Making of Modern Greece; Literature of the Vietnam War; and Reproductive Justice.

You can view descriptions of our current course offerings [here](#).

Applications for the 2024-25 UTeach cohort will open soon. If you are interested in applying, **please attend one of our upcoming information sessions**. These sessions will provide an overview of UTeach, go over the application process, and give you a chance to ask any questions you might have about the program. UTeach Info Sessions will be held on the following dates and times:



The graphic consists of several colored rectangular blocks. At the top left is a red block. To its right is a large green block containing the word "UTEACH" in large, bold, yellow letters. Below "UTEACH" is a smaller green block with the text "DEVELOP AND TEACH YOUR OWN CLASS AT UCI" in white. To the left of these green blocks is a dark blue vertical block containing a white downward-pointing arrow. Below the green blocks are two smaller blocks: a red one on the left with the text "info sessions are strongly recommended for prospective applicants" in white, and a dark blue one on the right with the text "APPS FOR 2024-25 DUE JUNE 7" in white. At the very bottom, there is a partial view of a green block with the text "INFO SESSIONS" in white.

INFO SESSIONS

Monday 4/29 @ 3pm
Tuesday 4/30 @ 2pm
Wednesday 5/1 @ 12pm and 2pm
*all info sessions will be in HG 1002

FOR MORE INFORMATION, VISIT [UTEACH.DUE.UCI.EDU](https://uteach.due.uci.edu)
OR CONTACT PROF. THEODORE MARTIN @ THEODOJM@UCI.EDU

8. Trauma Research Associates Program (T-RAP), Apply by May 15

BIO 199 Clinical Research Opportunity!

The Trauma Research Associates Program (T-RAP) at the UCI Medical Center is currently looking for bright and motivated UCI undergraduates to join our research team! The application deadline to submit is **May 15th, 2024 at 11:59 pm** after which interview invites will be sent out. T-RAP requires a minimum 1-year commitment and 4 units of Bio Sci 199 credit during the school year. To learn more or to apply to our program, please visit our website to fill out an application! Students of sophomore or junior standing are preferred.

Website: <https://ucitrap.wixsite.com/home>



Trauma Research Associates Program (T-RAP)

Bio 199 Clinical Research (4 units)

T-RAP provides UC Irvine undergraduate students the opportunity to conduct clinical research studies in Orange County's only Level-1 Trauma Burn Center.

Under mentorship from UCI trauma surgeon Dr. Allen Kong, students become well versed in the workings of trauma surgery and critical care. The T-RAP experience involves a unique blend of each of the following:

- First-hand clinical exposure in Department of Surgery's Division of Trauma/Critical Care/Burns
- Patient Interaction
- Guidance and development of IRB protocols
- OR Presentations
- Attending medical grand rounds
- Individual Projects/Presentations
- OR Training and shadowing surgeries

QR Code for our website!  QR Code for the application! 

Application Link: <https://tinyurl.com/TRAP2024>
Application Deadline: May 15, 2024 at 23:59

9. UC Berkeley - MS in Biotechnology

University of California, Berkeley

Master of Biotechnology

Program at a Glance

- One-year, 30-unit accelerated program.
- Courses begin in early July and are designed to train students on CRISPR-Cas9 genome editing, stem cell culture, and bioinformatics.
- Our internship program connects students with local biotech companies and academic labs, where they gain crucial research experience.
- We prioritize our students' professional development to ensure their success after graduation.

Admissions Requirements

- BA/BS in Biological Sciences or related field
- Minimum 3.00 GPA
- Relevant undergraduate coursework
- Minimum 90 internet-based TOEFL or 7.0 IELTS score (if applicable)

Application Materials

- Undergraduate transcript(s)
- Personal History Statement
- Statement of Purpose
- Two letters of recommendation
- TOEFL/IELTS (if applicable)

Timeline to Graduation

Summer Session D	Fall Semester	Spring Semester
Coursework <ul style="list-style-type: none">• Core lab course	<ul style="list-style-type: none">• Core lab course• Biotech primer course• Career development course• Electives	<ul style="list-style-type: none">• Drug discovery course• Internship and capstone courses
	Internships <ul style="list-style-type: none">• Biotech company visit• Internship applications and matching	<ul style="list-style-type: none">• 3 - 4 month internship



Capstone Project

- Independent research project
- Capstone presentation

Master of Biotechnology

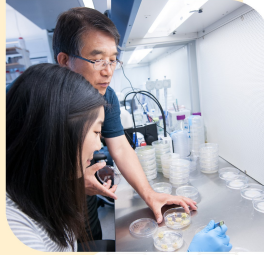
Internship Program

Our program's signature component, a 3-4 month internship, takes place each Spring semester. Our internship placement and selection process ensures that each student is placed at a local biotech company or campus lab that fits their scientific interests and career goals.

During their internship, students will perform full-time research, while working closely with their internship mentor to develop their capstone project.

An internship course brings students together on Fridays to meet and discuss their internship projects, progress, and receive feedback on their work.

Check out our internship partners at:
mcb.berkeley.edu/masters/partners



Capstone Project

Each student's internship will culminate in the completion of their capstone project, which is an independent research project that the student has been working on during their internship.

Students will put together a written report and present their capstone project at a one-day research symposium attended by their cohort and faculty.



Program Outcomes

- Students learn and work with state-of-the-art technologies used in biomedical research.
- Career development courses build students' communication skills, prepare for interviews, and help polish their resumes.
- Internships give students the opportunity to gain valuable experience working at a biotech company or academic lab.
- Connections with local biotech companies and the broader campus provide students with a strong professional network.

10. UCSF - MS in Biomedical Imaging

