

Hi CEE Graduate Students,

Please see this week's announcements below:

Fellowships and Scholarships

2024 UC-National Lab In-Residence Graduate Fellowship Opportunity Now Available

Fulbright Application Now Available

2023-24 UC Guru Gobind Singh Fellowship Competition

Professional Development

Guest Speaker Donald Ingber, Founding Director of the Wyss Institute for Biologically Inspired Engineering at Harvard University

Data Science Focused R Programming - Beginner Short Course

Graduate Teaching Community

MCB 198: Systemic Bias in Bioethics (Spring 2023)

First Year Aggie Connections

EVENT: Arab American Studies NOW!

Job Opportunities

Summer Internship at Nissan

Engineering Opportunity at Ducks Unlimited

Tenure-track faculty position at Carroll College

Remote IT Adjunct Opportunity - California Institute of Arts and Technology

DWR Hydrodynamic/Water quality modeling position

EKI at 4/19 UCD job fair

City of Davis - Engineering and Transportation Internship

Fellowships and Scholarships

2024 UC-National Lab In-Residence Graduate Fellowship Opportunity Now Available

UC Research Initiatives is pleased to announce the release of the Request for Proposals (RFP) for the 2024 UC-National Laboratory In-Residence Graduate Fellowship (UC NLGF), a funding opportunity for UC graduate students in any field of study that aligns with the missions of Los Alamos and Lawrence Livermore National Laboratories. The RFP for this opportunity is available on our website. Please circulate this RFP through your campus networks.

The RFP includes the following:

- Program goals, guidelines, submission deadlines, and eligibility requirements;

- Program contacts at the UC Laboratory Fees Research Program and National Laboratories;
- Frequently Asked Questions (FAQs); and
- Instructions for submitting the required Letter of Intent.

We will hold two Program Information Sessions, featuring current fellows and national laboratory liaisons, to provide interested applicants with more information about the Program. Interested applicants are encouraged to attend one of the available sessions listed below.

Key Dates

Program Information Sessions:

Tuesday, April 25, 9-10am Pacific Time ([Register here](#))

Friday, April 27, 11am-12pm Pacific Time ([Register here](#))

Letters of Intent (LOI) due: Thursday, June 1, 2023 at 12:00 noon Pacific Time

Full proposals due: Thursday, September 7, 2023 at 12:00 noon Pacific Time

Graduate Fellowship start date: April 1, 2024

You may contact us at UCRI@ucop.edu for additional guidance. Please check our website periodically for Program announcements throughout the application cycle:

<http://ucop.edu/research-initiatives/programs/lab-fees/index.html>

Fulbright Application Now Available

Applications are now being accepted for the Fulbright U.S. Student Program and you can register as an applicant [here](#).

What is Fulbright?

Fulbright is a post-graduate opportunity for U.S. citizens to conduct independent research, implement an arts project, study for a Master's degree, or serve as an English Teaching Assistant (ETA) in one of over 150 participating countries worldwide. Applicants can be undergraduates who will complete their bachelor's degrees by summer 2024, UC Davis alumni, and current graduate students. UC Davis has recently been recognized as a Fulbright Top Producer, which you can read about [here](#).

Award Information

- Approximately 2,200 awards will be made from the total applicant pool. In 2022, roughly 8,500 applications were submitted nationally for these awards.
- Award amounts vary by country and program, but all include: round-trip airfare, limited health insurance, and a monthly stipend. Additional benefits such as tuition and fees (MA programs), language lessons, dependent support, etc., may also be available.

Applicant Resources

- There will be a Program Overview webinar on Tuesday, April 11th at 12:00pm PST and you can [RSVP here](#).
- You can also access video playlists where we have short (around 5 minutes) videos focused on specific topics and application components. Click on the following pertinent link to view playlists for research (includes arts), study, and ETA candidates.

- You may schedule advising with Scott Palmer to discuss the program, your candidacy, and to answer any questions you have. Please email Scott Palmer (scpalmer@ucdavis.edu) your full availability, CV/resume, along with your program(s) and country(ies) of interest.

2023-24 UC Guru Gobind Singh Fellowship Competition

Vice Provost and Dean of Graduate Studies, Peter Biehl, UC Santa Cruz has invited UC Davis to nominate one candidate for the 2023-2024 Guru Gobind Singh Fellowship

Description

In 1988 the University of California received a bequest from the late Mr. Karam Singh Maughan to establish an endowment to support a graduate fellowship named for the Sikh religious leader, Guru Gobind Singh. This fellowship opportunity is open to university graduates from a specific area of India and Pakistan (see attached map) pursuing graduate study at the University of California.

Award Stipend: \$30,000

Eligibility

Applicant must:

- be a graduate of an Indian or Pakistani university in designated area (see attached map).
- be committed to returning to her or his country of origin after receiving degree.
- not have engaged previously in graduate study at any other institution of higher learning in the United States.
- have a commitment from their graduate program or faculty sponsor to pay one half the fees and one-half nonresident tuition for 2023/24. Graduate Studies will pay the remaining half if the student is awarded this fellowship as part of the Matching Commitment Program.

Preferences of nominee: currently has master's degree; has reached dissertation stage; have exhausted normal sources of financial support.

Application

The student must submit the following application documents:

- Letter of introduction, asserting desire and eligibility for the award including a statement as to how one will propose to use their graduate education in their home country. Please also include whether or not you have advanced to candidacy and your planned completion date.
- Up to 3 letters of reference emailed directly to externalfellowships@ucdavis.edu. One letter must be from the student's faculty sponsor*).
- University transcripts (undergraduate and graduate – copies will be accepted)
- Curriculum Vitae (CV).
- Optional other documents that applicant feels may serve to support his/her candidacy.

* The sponsor letter should include the following, addressed to "Guru Gobind Singh Fellowship Committee":

- Statement of financial need (explain that all other funding for full support of the student are exhausted)
- Verification that the student meets the eligibility requirements

- Reflection on how the student proposes to use his/her graduate education in their home country.
- Statement that student's full fees and tuition will be covered during the 2023-24 academic year. (Note: if awarded, graduate program or faculty sponsor will pay one half nonresident tuition for 2023/24. Graduate Studies will pay the other half.)

Please submit complete application materials via email to externalfellowships@ucdavis.edu by 5pm, April 28, 2023.

Professional Development

Guest Speaker Donald Ingber, Founding Director of the Wyss Institute for Biologically Inspired Engineering at Harvard University

2023 Research Expo Keynote Address

Biologically Inspired Engineering to Advance Healthcare: Creating Human "Organs-on-Chips" for Disease Modeling, Drug Development, and Personalized Medicine

Donald Ingber, M.D., Ph.D.

- Founding Director of the Wyss Institute for Biologically Inspired Engineering at Harvard University
- Judah Folkman Professor of Vascular Biology at Harvard Medical School and the Vascular Biology Program at Boston Children's Hospital

Professor Ingber is a pioneer in the field of biologically inspired engineering. He currently leads scientific and engineering teams that cross a broad range of disciplines to develop breakthrough bioinspired technologies to advance healthcare and to improve sustainability. His work has led to major advances in mechanobiology, cell structure, tumor angiogenesis, tissue engineering, systems biology, nanobiotechnology and translational medicine. Through his work, Ingber also has helped to break down boundaries between science, art and design.

One of his innovations, Human Organs-on-Chips lined by living human cells, are being used to replace animal testing for drug development and personalized medicine. Ingber's Organ Chip technology was named one of the Top 10 Emerging Technologies by the World Economic Forum and Design of the Year by the London Design Museum. It was also acquired by the Museum of Modern Art (MoMA) in New York City for its permanent design collection.

>>>Register Today<<<

This event is part of the Research Expo at UC Davis on May 16, 2023

Data Science Focused R Programming - Beginner Short Course

Join us for a virtual two-day course focusing on hands-on R programming for reproducible data analysis.

Learn how to:

- Get up and running with R using the Rstudio
- Understand R data types and functions
- Use data frame manipulation to wrangle data
- Visualize and plot with ggplot2 and plotly
- Put it all together by creating a reproducible data analysis report

The registration fee for this course is \$300 for University of California students, postdocs, staff and faculty, \$400 for other academics and \$500 for industry/other participants.

Register Here: <https://forms.gle/cSsYhNSft9GDR1tM9>

Prerequisites

See detailed installation instructions: <https://github.com/CreativeDataSolutions/CDS.courses>

Required tools:

R programming language 4.2.1 or higher: <https://cran.r-project.org/>

R Studio Desktop: <https://www.rstudio.com/products/rstudio/>

Graduate Teaching Community

Attention: Any graduate student with an interest in teaching.

Do you want to enrich your teaching and develop strategies that lead to better learning outcomes?

Are you interested in learning more about evidence-based research on teaching and learning?

Are you new to teaching and want to develop your teaching knowledge?

Do you want to build a competitive CV?

Do you want to collaborate with a group of interdisciplinary graduate student peers?

If you answered YES to any of these questions, join the Graduate Teaching Community. The Graduate Teaching Community (GTC) is a peer-led weekly discussion group where graduate students discuss a variety of topics related to teaching. The GTC is a program developed by grad students, for grad students!

This quarter, GTC will explore topics related to Active Learning and Inclusion.

Program Details:

- Weekly Meeting Time: Tuesdays, 12:00-1:00 p.m.
- First Meeting: Tuesday, April 11, 2023
- Location: The Grove 1353 or on Zoom
- Facilitators: Ian Lim (itlim@ucdavis.edu) and Jeff Nichols (jsnichols@ucdavis.edu)
- Registration: Complete this form

What occurs in Graduate Teaching Community (GTC) meetings?

GTC meetings are informal, discussion-based gatherings geared toward enhancing the teaching skills of graduate student instructors. Every meeting begins with a check-in from participants about their teaching practices and classroom experiences, followed by a presentation on evidence-based teaching and learning strategies facilitated by GTC participants. In Spring 2023, GTC will discuss the themes of active learning and inclusion.

What are the benefits of joining the Graduate Teaching Community?

Participants gain confidence in the classroom and a deeper understanding of learner-centered, inclusive teaching practices. Participation in the Graduate Teaching Community is also a great feature to include on a CV to demonstrate professional development in teaching. Participants can receive a GradPathways Microcredential by attending a required number of sessions, facilitating a discussion, and writing a blog post reflecting on the quarter.



Click here to learn more about the Graduate Teaching Community. Hope to see you there!

MCB 198: Systemic Bias in Bioethics (Spring 2023)

Systemic Bias in Bioethics Seminar Course

Class Information: Tuesdays 1:10-2:00 PM in Storer 2342

Next Meeting: Tuesday, April 11, 2023

Grading Option: P/NP (1-credit)

Course Description: We will read and discuss selected chapters from the award-winning book, *Medical Apartheid: The Dark History of Medical Experimentation on Black Americans from Colonial Times to the Present* by Harriet Washington while working through prominent case studies of racism and systemic bias in bioethics throughout American history (e.g., the Tuskegee Syphilis Experiments, antebellum medical experimentation on enslaved Black women, radiation experiments on Black Americans). We will explicitly frame our discussions through an anti-racist lens and weigh the human costs of perpetuating systemic bias and injustice in American healthcare in modern times.

This course is open to upper division undergraduate students and graduate students; it can also be audited by graduate students, postdocs, faculty, and staff. Students taking the course for credit are required to co-lead discussion for one lecture period. Please contact Alexis Roberts Huggins for the course CRN, to sign-up as an auditor, or with any additional questions.

First Year Aggie Connections

Support new students in their first-year at UC Davis!

Creating connections both in and out of class is an essential part of the first-year student experience and for building success at UC Davis.

Right now we are looking ahead to the newest wave of undergraduate scholars preparing to arrive at UC Davis by different paths. Becoming a First-Year Aggie Connections facilitator is your opportunity to help foster an inclusive environment, promote a sense of belonging, and be a part of a unique program at UC Davis to help new student succeed.

Facilitator Highlights:

- Facilitators are UC Davis faculty, staff, or graduate students
- Oversee a Connection made up of 25 students or fewer that share a common interest/theme for one academic quarter
- Commit to facilitating a minimum of 6 sessions during the quarter with your Connection (20 hour average commitment)
- Click here for full details about becoming a facilitator

Submit a proposal to lead a Connection group for fall 2023

New facilitators are asked to fill out the Connection proposal form to propose a new idea. Get creative! Themed Connections should appeal to a diverse student body. Full guidelines along with the proposal form can be found on our website. Returning facilitators can skip the proposal form and contact FYAC directly to renew an existing or previous Connection theme. We ask that proposals are submitted by the priority deadline: Friday, April 28th.

EVENT: Arab American Studies NOW!

Join us for Arab American Studies Now! A conversation and panel discussion on the history, importance and necessity of Arab American Studies at UC Davis on Wednesday, April 19th, for the first event of Arab American Heritage month.

Panelists include: Dr. Suad Joseph: Distinguished Research Professor of Anthropology and Gender, Sexuality, and Women's Studies at UC Davis, Dr. Sunaina Maira: Professor of Asian American Studies at UC Davis, Dr. Stacy Fahrenthold: Associate Professor of History at UC Davis, Beshara Kehdi: PhD Candidate in Cultural Studies at UC Davis, Yara Kaadan: President of Students for Justice in Palestine at UC Davis, with Discussant Dr. Julie Sze: Chair and Professor of American Studies.

When: April 19th from 5-7pm

Where: Alumni Center AGR Hall

Job Opportunities

Summer Internship at Nissan

https://alliance.wd3.myworkdayjobs.com/nissanjobs/job/Silicon-Valley/Carbon-Neutrality-Analyst-Summer-Intern_R00136096

Engineering Opportunity at Ducks Unlimited

https://workforcenow.adp.com/mascsr/default/mdf/recruitment/recruitment.html?cid=7deee1c0-b159-4fdc-8bdb-3f1d87c47510&cclId=19000101_000001&lang=en_US&jobId=458465

Tenure-track faculty position at Carroll College

Carroll College in Helena, Montana is seeking to fill a tenure-track faculty position in civil engineering starting in the fall of 2023. We are looking for candidates with the ability to teach courses in water resources and/or transportation and geotechnical engineering, but with the flexibility to teach general civil engineering courses at all undergraduate levels.

Please see the attached position announcement for more details.

If you have any questions, please contact Ted Wendt at twendt@carroll.edu or at 406-447-5455, or contact Gary Fischer, P.E., at gfischer@carroll.edu or 406-431-3724.

Remote IT Adjunct Opportunity - California Institute of Arts and Technology

California Institute of Arts and Technology need remote IT Adjuncts who are California residents. The Adjuncts need to have current certifications (within the last 3 years) in one of the subjects of CompTIA ITF+, CompTIA A+, CompTIA Net+, Microsoft Azure AZ-900, and Microsoft Azure AZ-104. Do you have recent grad students that have previous IT work experience and have their certifications? This position would be a great opportunity for a recent graduate to help the next generation of students in the IT field. The pay ranges from \$38-\$42/hour.

<https://www.mykelly.com/job/8772464-remote-it-adjunct-instructor-san-diego-ca-united-states/>

DWR Hydrodynamic/Water quality modeling position

The Delta Modeling Section at the California Department of Water Resources is seeking a talented engineer with expertise in hydrodynamics and water quality modeling to join our team. Please check the link below to learn more about this exciting opportunity and apply for the position. Deadline to apply is April 21, 2023.

<https://www.calcareers.ca.gov/CalHrPublic/Jobs/JobPosting.aspx?JobControlId=362630>

EKI at 4/19 UCD job fair

EKI is an employee-owned, full-service, engineering and environmental sciences consulting firm, serving private and public-sector clients throughout the United States. If you are interested in making a positive impact on communities and the environment and advancing your career, then EKI is the place for you.

EKI's practice areas include:

- Environmental investigation and remediation;
- Water resources management and planning; and
- Water engineering (including water, wastewater, recycled water, and stormwater planning and design projects).

Our Bay Area offices are located in Daly City, Oakland, and Davis, and our southern California location is in Irvine.

We request that resumes be sent to careers@ekiconsult.com **and** please CC me

dgandhi@ekiconsult.com so that I can ensure resumes are reviewed in a timely manner. Any questions may also be directed to me.

City of Davis - Engineering and Transportation Internship

See Attachment.

For more information or to apply, please visit:

<https://www.governmentjobs.com/careers/davis/jobs/3982611/engineering-and-transportation-internship?pagetype=jobOpportunitiesJobs>

