



FOOTHILL COLLEGE

SCIENCE LEARNING INSTITUTE

Opportunities in STEM Newsletter

Happy Week 2!

We have an exciting new list of opportunities for you all!

Our newsletter will be posted weekly, every Friday.

Foothill & SLI Opportunities

SCIENCE LEARNING INSTITUTE



STEM Equity Seminars for Owls

FALL 2022 sponsored by the STEM Division and the Science Learning Institute

MICROFLUIDICS AS A VEHICLE TO INCREASE EQUITY, DIVERSITY, AND INCLUSION IN STEM



Jennifer Ortiz Cárdenas
Director and Outreach Coordinator, Microfluidics Foundry, Stanford University

Dr. Jennifer Ortiz Cárdenas is the Director and Outreach Coordinator of the Microfluidics Foundry at Stanford University. She received her B.A. in Chemistry from Binghamton University and earned her Ph.D. in Chemistry at the University of Virginia under the supervision of Dr. Rebecca R. Pompano. In her research, she developed biomimetic photo-patterned 3D cultures to recreate the spatial organization of tissue on microfluidic chips. In her current role, she is in charge of the Microfluidics Foundry and supports nearly 30 users in integrating microfluidics in their research. Additionally, she is passionate about improving diversity and inclusion in STEM and has developed outreach programming to increase the representation of Latinx and other URM's in the microfluidics field. She is a first-gen latinx scientist.

Friday, October 21, 2022
1pm - 2:30pm talk and discussion
Room 4502 & Zoom

Join us for
pizza at 12pm,
Rm 4502




<https://foothill.edu/sli/events/seo.html>
Contact Soohia Kim (soohiakim@foothill.edu) for more information

Jennifer Ortiz Cárdenas

October 21, 1:00 - 2:30 pm, Room 4502 & Zoom

Dr. Ortiz Cárdenas will discuss her thesis work on integrating 3D cultures in microfluidic devices, lessons learned from nearly a decade in academic and research environments, and the programming available for community college students to become involved in microfluidics-based research opportunities




Foothill Chemistry Club

In-person meetings
Friday at 12pm

Hosting club
officer elections soon!

Connect with us on our discord:
<https://discord.gg/gbBxW7jBCb>



First Foothill Chemistry Club Meeting

October 14, 1:00 pm, Room 4812

Join the first in-person Foothill Chemistry Club (Foothill American Chemistry Society Club) meeting next Friday

Join us for pizza at 12:00 pm, at Room 4502 before the seminar!

Connect Here!

Read More!



Transfer Fair 2022

October 19, 2022 (11am - 2pm)
On Campus (Rm 2500)

Meet over 50 college and university representatives from . .

- University of California (UC)
- California State University (CSU)
- Private/out-of-state universities
- International Universities

Read More!

Apply to be a Volunteer!
October 19, 10:00 am - 3:00 pm

Contact the Transfer Center for availability

Contact here!

FOOTHILL COLLEGE | SCIENCE LEARNING INSTITUTE

Scholarship for your participant!

SLI STEM MICRO-INTERNSHIPS

WINTER 2023

Never had an internship and looking for experience?
Interested in working on a research project using skills and knowledge from your STEM classes?

"This internship provided me the confidence that I was missing. [It] provides you the safe space and community to build that internal validation, but it allows you time to practice it so that you can carry it out in the world." - Foothill intern.

Through the Science Learning Institute (SLI), Foothill College students will have an opportunity to engage in a RESEARCH INTERNSHIP, under the guidance of a mentor/ supervisor.

Institutions include **Stanford University, San Jose State University, and research institutions in the Bay Area.** Please see the Project Catalog before you fill out the application.

Some important info:

- Part-time - 6 - 7 hours per week for 11 weeks in winter quarter.
- Must be a Foothill student taking no more than 15 units in the winter.
- \$1300 scholarship for fulfilling all requirements.
- Priority consideration given to students who have demonstrated financial need and who have not had a prior internship.

APPLY BY: Monday, Nov 7, 2022, 11:59pm

For more information, contact slif@foothill.edu
Also check <https://foothill.edu/slif/microships/schbodyssat.html> for information

SLI STEM Micro-Internships Winter 2023

Apply by Nov 7, 2022

The internship application is not yet ready, but find out more about getting started with the scholarship application. Don't wait for the internship application – start now!

Read More!

Project and Mentor Catalog is available

Project & Mentor Catalog

External Opportunities



Job Opportunity in VEX Robotics Program

ASAP

Are you a female engineering student? Girl Scouts of Northern California (GSNorCal) is hiring a Robotics Program Instructor to support the Google-sponsored GSNorCal VEX Robotics Program at a Google facility in Palo Alto, CA for GSNorCal middle school and high school members and families. Two (evening and weekend) work positions are available.

[Apply Here!](#)

[Apply Here!](#)



2022 Waterman Lecture: Past climates inform our future

October 11, 01:00 pm (EST)

Dr. Jessica Tierney will discuss her research reconstructing past climate change in order to better understand what the future might hold. By studying past climates on Earth, such as "greenhouse worlds," Dr. Tierney is improving our understanding of what a warmer world looks like and how weather and climate behave as carbon dioxide levels rise.

[RSVP Here!](#)

UC Application Workshop (Transfer Students)

October 11, 4:00 - 5:15 pm (PDT)

Join this UC Application workshop to earn important information about the transfer application, transfer-specific Personal Insight Questions, and more. This will be a chance for you to make personal contact with admissions officers to ask your questions about transferring to UC Santa Cruz

[Register Here!](#)

Transfer Student Panel

October 12, 7:00 – 8:00 pm

Join this Transfer Student Panel to hear from the Engineering Transfer Ambassadors about their experience on campus, including participating in classes, internships, research, etc. We will have time for participants to ask their own questions

[Register Here!](#)

SJSU B.S. in Information Science and Data Analytics Virtual Information Session

October 15, 10:00 am (PST)

Join this SJSU virtual information section for prospective students for the newly launched completely online B.S. in Information Science and Data Analytics through the School of Information with the College of Professional and Global Education at SJSU

[Register Here!](#)

`<head>
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How to use your non-tech degree to get into tech

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<h1> Speakers </h1>
<p> Ariana Guerrero </p>
<p> Joy Johnson </p>
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Welcome SFSU! We are so excited to discuss the limitless opportunities of breaking into the tech industry with a nontraditional degree.

RSVP

10.12
6:00 PM

Logos: SFSU Career Center, SFSU, P&G, COO

SFSU Career event: How to use your non-tech degree to get into tech

October 12, 6:00 pm

Join this SFSU Career event to discuss the limitless opportunities of breaking into the tech industry with a non-traditional degree

DxD HealthTech
Diversity by Doing

PATHWAYS IN HEALTH TECHNOLOGY

Are you curious about medical technology like surgical robots and wearable monitors? Discover the world of medtech with Diversity by Doing (DxD) HealthTech.

Join us for 8 weekend sessions at Stanford University and Fogarty Innovation where you can learn about the healthtech ecosystem through career panels, technology showcases and an innovation bootcamp. Work in small groups - collaborating with a local healthtech company - to tackle a clinical project by understanding a disease state, market analysis and technology, and ultimately presenting your novel ideas. Build real-world skills and make lifelong career connections!

PROGRAM INFORMATION

ELIGIBILITY

- Community college student
- Sophomore standing
- ≥ 1 year of calculus, chemistry, biology or physics
- Interest in medical devices or health technology

PROGRAM MEETINGS

- Jan. 21-22
- Feb. 4 and 18
- Mar. 4 and 18
- Apr. 1 and 15

Participants receive a \$1,000 stipend

DEADLINE TO APPLY: **OCTOBER 30, 2022**
<http://dx.dxo.org/pathways2022>

SUPPORTED BY

AdvaMed
MedTechColor

in partnership with
fogarty innovation BIODESIGN

Diversity of Doing, Pathways in Health Technology program opportunity

Apply by:
October 30, 11:59 pm (PST)

Join the Pathways in Health Technology program for 8-weekend sessions at Stanford University and Fogarty Innovation where you can learn about the health tech ecosystem through career panels, technology showcases, and an innovation Bootcamp

[Apply Here!](#)



Visit the SLI Website!



The STEM Center Info

Science Learning Institute | 12345 El Monte Road, Los Altos Hills, CA 94022

[Unsubscribe sli.foothill@gmail.com](mailto:sli.foothill@gmail.com)

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