From admission to graduation, the units in the Office of Undergraduate Studies at the University of Utah provide every student with an exceptional educational experience that empowers them to lead transformational lives wherever their educational and professional futures take them.

The mission of the University of Utah Office of Undergraduate Research is to facilitate and promote undergraduate student-faculty collaborative research and creative works in all disciplines throughout the University of Utah campus.
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**END NOTES** ................................................................ 50
Since 1998, the Boyer Commission recognized undergraduate research as a standard practice in undergraduate education.\textsuperscript{1} The University of Utah was fostering this practice well before the report came out; the Undergraduate Research Opportunity Program was formed in 1987. Since our early beginnings, research at the U has involved undergraduate students and in 2012 the commitments to support campus-wide endeavors across the disciplines were solidified with the growth of the program into an office: the Office of Undergraduate Research (OUR). In partnership with campus-wide efforts, the OUR continues to further the philosophy that research at the U is a public good by supporting faculty and student collaborations. Our student researchers solve problems, innovate, and are at the forefront of discoveries. As an R1 institution and flagship for the state of Utah, our students are a central part of the research enterprise. Faculty, staff, leadership, and students who participate in research support the “importance of intellectual, scholarly inquiry.” And our faculty mentors are vital for the teaching and learning process. Recognizing the integral role of faculty-student collaborations in the research process, reflecting on 2023-2024, a key theme that manifested is “connections and collaborations” where our early researchers make connections that emerge into collaborations across the disciplines. Research begins with a connection. Researchers are linked to one another by doing research, participating in research communities, finding time to meet, and connecting with the communities that benefit from research. But not all connections are collaborations - it is when faculty, mentors, staff, and students meaningfully work together, they co-labor to support the research process, when a connection shifts into being a collaboration.

2023-2024 undergraduate research was an exciting year for the office and our research community with fostering early connections. OUR piloted a new scholarship program, the Early Exploration Scholars Program, which prioritized supporting students in the first 60 credits of their academics. The program was not only about connecting students to research early in their academic journey, but also supporting research connections with faculty through programming, research tours, and resourcing students with information. In addition to a new pilot program we launched the Office of Undergraduate Research Advisory Council to continue to ensure that at all stages of our processes, we are collaborating with campus partners - truly connecting, working together. This was in addition to the OUR Program Partners that will continue to work in consort to support undergraduate research programming through resource partnerships. OUR also began to widen our national visibility, and this work is notable through the record high number of applications we received for summer programs.

This annual report provides a narrative of the programs and activities from 2023-2024. This work is not possible without the co-laboring of our campus partners across the 18 colleges comprising of deans, associate deans, directors, chairs, faculty, students, and staff. We thank all of our campus and state-wide partners for being part of OUR’s journey, and look forward to ongoing connections and collaborations.

Annie Isabel Fukushima, Ph.D.
Associate Dean, Undergraduate Studies &
Director of the Office of Undergraduate Research
Objective 1:
Enhancing the teaching, learning, research, and innovation environments through supporting undergraduate research.

Objective 2:
Supporting graduation rates with high impact practices of undergraduate research.

Objective 3:
Creating a positive research environment where undergraduates across the disciplines can thrive.

Objective 4:
Supporting the university’s $1 billion in research goals through fundraising and grant application.
Data in Brief 2023-2024

686 Students Funded
1,012 students applications for UROP
SPUR, Scholarships, Travel and Small Grants

158 Students Recognized
OUR Awards Ceremony, prizes, & URSD
16 mentors recognized

794 Student Presenters
in URS, ROCH, UCUR, NCUR
and Sponsored Symposia

266 Submissions Published
in RANGE: Undergraduate Research Journal

4,271 Education Series Attendees

391 Students received Research Advising
from Peer-Mentors and Staff Connections

474 Research Mentors
Faculty and Graduate Students

3,607 People reached In-person

121,409 People outreached on Social Media

233,855 Views of the OUR Website
OUR 2024-2025 Goals

Grow National Visibility

- During the 2023-2024 academic year, OUR grew the number of students applying for summer research at the U for the summer 2024 through proactive promotion. This coming year OUR leadership will continue to grow engagement with other offices across the country.

- OUR will continue to apply for federal grants to grow national visibility of the undergraduate research programs at the U and continue to foster support of research teams hiring undergraduate researchers.

Promote the U as the Premier Place for Research

- OUR will work in collaboration with campus partners to promote undergraduate research at the University of Utah as a seminal experience for students.

- OUR will collaborate with campus partners to learn about and promote the relationship between undergraduate research in the classroom and beyond.

- OUR will begin to facilitate discussions needed to support and promote research at satellite campuses and global research opportunities.

Sustain a Culture of Undergraduate Research Collaboration

- OUR will continue to sustain what was created in 2023 - 2024, the OUR advisory council and long-standing campus-wide partnership through the OUR Program Partners.
OBJECTIVE 01
Enhancing the Teaching, Learning, Research, and Innovation Environments

Grants and Awards

- Undergraduate Research Opportunities Program (UROP)
- Summer Program for Undergraduate Research (SPUR)
- Small and Travel Grants
- Scholarships

OUR enhances the teaching, learning, research, and innovation environments by funding undergraduate researchers to work with a faculty mentor. During the 2023-2024 academic year, OUR funded 686 undergraduate researchers at the University of Utah.

Recognition of Undergraduate Research Excellence

- Outstanding Undergraduate Researcher Awards (OURA) Ceremony
- Undergraduate Research Scholar Designation
- Monson Essay Prize

In pursuit of excellence, we recognize outstanding undergraduate researchers during an annual awards ceremony that comprises of recognizing the Outstanding Undergraduate Researcher Awardees, Outstanding Undergraduate Research Mentor Awardees, and scholars funded by OUR in partnership with our donors of the Dee Foundation, the Francis Family Fund, and the Parent Fund. Students also earn the Undergraduate Research Scholar Designation on their transcripts.

Research Education Beyond the Classroom

The learning environment is further enhanced with educational opportunities beyond the classroom through the Undergraduate Research Education Series; 4,271 students attended the OUR education series (2023-2024).

Faculty and Student Collaborations

- Faculty Mentors
- OUR Program Partners
- OUR Advisory Council
- Faculty Affiliates

Supporting faculty and student partnerships are central to OUR. This is made possible by faculty who mentor students through our awarding, granting, and scholarships. Faculty mentors become affiliated with the Office of Undergraduate Research when mentoring undergraduates who receive funding from OUR through SPUR and UROP. Additionally, undergraduate research is thriving across the campus - and this is in thanks to the many partners that make this work possible. For 2023 - 2024, OUR worked with 423 research mentors.
Dissemination of Knowledge Through Presentations and Publication

- Undergraduate Research Symposia (URS)
- Research on Capitol Hill (ROCH)
- Utah Conference on Undergraduate Research (UCUR)
- National Conference on Undergraduate Research (NCUR)
- Sponsored Conferences
- Range: Undergraduate Research Journal

OUR fosters research innovation and dissemination through facilitating and supporting publication and student presentations. The office organizes an Undergraduate Research Symposium every semester (Summer 2023-in-person; Fall 2023-virtual; Spring 2024-in-person) and collaborates with the U’s Government Relations office and Utah State University to host Research Day on Capitol Hill. OUR also supported students presenting research at the statewide Utah Conference on Undergraduate Research (UCUR) and at the National Conference on Undergraduate Research (NCUR). This year 998 students were supported with presenting their research and 266 entries were published in the RANGE: Undergraduate Research Journal including abstracts, articles, and research reflections.

Peer Mentoring and Staff Support

- Faculty mentors
- Peer and staff support through Funding Fridays, IRB Lab, and research advising appointments

OUR provides research advising to students at all stages of their research journey with 391 students receiving peer and staff research advising. Central to the office’s philosophy on mentoring are faculty, staff, and peers.

Outreach and Communication

Tabling, presenting at classrooms, social media, newsletters, and OUR’s website all serve a vital function of communicating about OUR to the public, students, faculty, and staff.
Grants and Awards

Between 2023 and 2024, the Office of Undergraduate Research awarded 686 awards and scholarships to student researchers with Undergraduate Research Opportunity Program (UROP), Summer Program for Undergraduate Research (SPUR), travel and small grants, and scholarships. This was a 12% growth from the previous academic year.

Undergraduate researchers funded by OUR represent a diversity of majors. These majors represent research fostering civic responsibility and quality of life for Utahns, including STEM fields, health and medicine, global issues, politics, society and belonging, and the environment.
Undergraduate Research Opportunity Program (UROP)

Undergraduate Research Opportunity Program is OUR’s oldest and largest program, supporting student research at the University of Utah since 1987. UROP student researchers work with faculty mentors, where 16 colleges participate in mentoring scholars. Every semester UROP scholars are awarded at the University of Utah.

In 2023-2024, **500 UROP scholars** received a $1,200 stipend for their research experience. The demand for UROP continues to grow; there were **29% more applicants compared to the previous academic year**. OUR moved its online application platform for UROP to Infoready.

UROP scholars experienced programming of activities such as OUR’s Education Series (workshops and educational content) and opportunities to present their findings. UROP scholars successfully met OUR’s learning objectives by working collaboratively with faculty, articulating research questions, identifying appropriate methodologies, utilizing previous research to substantiate their findings, effectively presenting research, meeting discipline standards for responsible research, and reflecting on the research process. We are proud to share the positive outcomes of UROP scholars for 2023-2024.

“My semester as a UROP scholar was the most significant educational experience I have had thus far. I had to apply my still nascent programming skills to achieve outcomes that before the program started I thought were beyond my ability. Additionally, the experience required me to advance critical life and profession, including negotiating the unexpected, time management, exercising patience and extending understanding, and maintaining professional courtesy. “

- UROP Scholar, Senior Computer Science

“I feel that my undergrad research experience has opened my eyes so much. Prior to my research experience I had no desire or knowledge about research. Now that I have built up my experience I can confidently say I learned a lot about the research field and strongly believe that anyone can find something in research they are interested in, that they themselves might not even know.”

- UROP Scholar, Sophomore Bioscience

“Doing undergraduate research has not only helped me to determine where I want to go, but has helped me to get there, providing letters of reference which have led me to my dream job for this coming summer. It has been quite possibly the most foundational thing I have done in my undergraduate experience and is something I will always be grateful for. It has helped me apply my coursework, discover new ideas, and learn how to present myself and my work in a formal and passionate manner.”

- UROP Scholar, Junior Chemical Engineering
UROP Successful Learning Outcomes

OUR’s UROP is successful because of the learning outcomes demonstrated by participants. This data is collected every semester in a close-out report submitted by participants and their faculty mentors.

UROP SCHOLARS AGREE because of the research experiences, they can:

- **96%** Articulate a research question or creative objective
- **97%** Identify appropriate methodologies
- **98%** Identify & utilize previous research
- **97%** Meet the field’s standard for responsible conduct in research
- **94%** Work collaboratively and effectively communicate with other researchers
- **87%** Effectively present and publish research
- **96%** Reflect on research and make future plans because of this experience

431 Students completed the Closing Report

UROP MENTORS AGREE because of the research experiences, their mentees are able to:

- **96%** Articulate a research question or creative objective
- **97%** Identify appropriate methodologies
- **97%** Identify & utilize previous research
- **97%** Meet the field’s standard for responsible conduct in research
- **97%** Work collaboratively and effectively communicate with other researchers
- **89%** Effectively present and publish research
- **97%** Reflect on research and make future plans based on their experiences

97 Mentors completed the Closing Report

Likert Scale self-reporting: Strongly Disagree to Strongly Agree
Summer Program for Undergraduate Research (SPUR)

Summer Program for Undergraduate Research provides students with competitive summer research opportunities where students are paid for ten weeks to immerse themselves in a fulltime summer research experience with a University of Utah faculty mentor. Students come to Utah to conduct research from universities across the United States. Students participating in SPUR successfully acquire OUR learning objectives where they are able to articulate a research question or creative objective; identify appropriate methodologies; identify & utilize previous research; meet the fields standard for responsible conduct in research; work collaboratively with other researchers; effectively present research and make future plans because of this experience. To successfully support summer research activities, OUR collaborates with campus partners. For summer 2023, OUR grew the percentage of summer undergraduate researchers funded by the Office by 40%. Students conducting research at the University of Utah through program partnerships represented 79 universities from across the U.S. For summer 2024, OUR grew the number of SPUR applicants by 122% with a record high number of 650 applicants.

14 Program Partners
186 Students
150 Faculty

53 SPUR SCHOLARS
280 SPUR applicants

- 5 for the Fight Cancer Research Internship
- The Beckman Scholars Program
- Chemistry Research Experience for Undergraduates (REU) Chemical Engineering
- Genomics Summer Research for Magnificents (GSRM) Internship
- Haumana ‘O Pasifika Program (Joined recently)
- Health, Air Pollution and Population Initiative in Education and Science Training (HAPPIEST)
- Materials Research Science & Engineering Centers REU
- Native American Summer Research Internship (NARI)
- PathMaker Scholars Cancer Research Program
- Pathology Summer Program
- Physics & Astronomy REU
- Research Experiences to Advance the Careers of HBCU Undergraduates at the University of Utah (REACH U2) in Health Disparities Research
- Research Experience in ALpine Meteorology (REALM) REU
- Research Experience in Utah for Sustainable Materials Engineering (ReUSE) REU
- RUUTE Summer Undergraduate Research Experience (SURE)
- Summer Undergraduate Research Internship in Pharmaceutics and Drug Delivery (NSF REU)

“SPUR was a wonderful experience that was the perfect introduction to undergraduate research. It provided me with a clear pathway for developing, working on, and ultimately completing a project. The faculty that I had the chance to work with were more than happy to help with every step of the process and were there to answer my questions. I think this experience was key to my education as it helped me to gain skills I didn’t have before, and to reinforce the ones I already had. I also think it will be instrumental in helping me with the transition from being an undergraduate to entering graduate school.”

– SPUR Scholar
Psychiatry

2 partners joined during the academic year in preparation for summer 2024
OUR’s summer undergraduate research is successful because of the learning outcomes demonstrated by participants. Participants (Mentors and mentees) submit a closing report after the end of the summer experience.

**SPUR SCHOLARS AGREE** because of the research experiences, they can:

- **94%** Articulate a research question or creative objective
- **92%** Identify appropriate methodologies
- **96%** Identify & utilize previous research
- **94%** Meet the field’s standard for responsible conduct in research
- **90%** Work collaboratively and effectively communicate with other researchers
- **92%** Effectively present and publish research
- **94%** Reflect on research and make future plans based on their experiences

**SPUR MENTORS AGREE** because of the research experiences, their mentees are able to:

- **95%** Articulate a research question or creative objective
- **95%** Identify appropriate methodologies
- **95%** Identify & utilize previous research
- **100%** Meet the field’s standard for responsible conduct in research
- **95%** Work collaboratively and effectively communicate with other researchers
- **100%** Effectively present and publish research
- **95%** Reflect on research and make future plans based on their experiences

Likert Scale self-reporting: Strongly Disagree to Strongly Agree

Students completed the Closing Report
Total of 53 SPUR Mentees 2023

Mentors completed the Closing Report
20
Travel and Small Grants

Research can be costly - not only for the time needed to conduct research, but also because of the supplies required to effectively conduct research, the cost of travel to research sites, and the expenses required to participate in professional gatherings. Presenting one’s findings at national or even international conferences is a transformative experience for students and their acquisition of skills needed in research dissemination. OUR’s Travel & Small Grants program supports undergraduate researchers with the costs associated with research networking and research costs as a way to address the barriers in research.\(^2\) Every month OUR’s committee reviews student applications for travel and small grants awarding students with travel and small grants of $500. For 2023-2024, OUR funded 54 students with Travel and Small Grants; increasingly the grants are more competitive, where the percentage of applicants increased by 20% from the previous academic year.

"I started late in my academic career with undergraduate research. I only first started to work on research in my last year as an undergraduate. However, in that small amount of time, I helped conduct a replication study that will be published in Studies in Second Language Acquisition, joined the Speech Acquisition Lab in the Linguistics department, and start working on a research project with a smaller group. Both studies I have worked on have been accepted to conferences and I have and will attend both conferences to present. I have learned how to think critically, collaborate, and think about the effects of my work as a researcher. I have learned that I value the research process and am interested in continuing work in research. The knowledge and networking opportunities I have been able to develop have been extremely beneficial for my education and future plans."

– OUR Travel Grant Recipient
Linguistics

"Learning to write an abstract and create a poster, and then present my research in front of experienced professionals, was an extremely valuable experience to me, and something I feel will make me stand out among my peers. My experience at the conference affirmed my passion for this line of work, and has encouraged me to continue pursuing education and experiences that will allow me to make a career in this field."

– OUR Travel Grant Recipient, Anthropology
Scholarships

OUR is successful because of the donors supporting our scholarships. In the spring of 2024, the Office of Undergraduate Research launched the Early Exploration Scholars program through the support of Undergraduate Studies advancement. For the 2023-2024 year, OUR grew the number of scholarships awarded by 276% awarding 79 students scholarships for 2023-2024 academic year.

OUR’s scholarships are supported through a variety of state and private funds. Donors include the Lawrence T. Dee and Janet T. Dee Foundation, and the Francis Family Foundation, the Parent Fund, and Undergraduate Studies.

Early Exploration Scholarship

In the summer of 2023, the Office of Undergraduate Research launched the Early Exploration Scholars Program. The goal of the program is to garner earlier interest in undergraduate research opportunities. Therefore, eligible students are undergraduate students in the first 60 credits of their academic journey at the University of Utah. For the first time ever the program was launched, leading to funding of 59 scholars during the spring 2023 semester. These students experienced research tours, educational content, and an overview of the research opportunities and funding available to them.

Research tours were organized to support early connections to research opportunities. Diverse research tours included: Art with Professor V. Kim Martinez, Computing with Dr. Vineet Pandey, Geography with Dr. Peter Lippert, Robotic Solutions with Dr. Haohan Zhang, Sound and Speech with Drs. Rachel Hayes-Harb and Shannon Barrios, and a library tour with Dale Larsen.

Aysha Ahma
Mustafa Alani
Autumn Anderson
Conner Anderson
Brandon Batjav
Bhagya Bhujel
Brandi Bitsie
David Brown
Sydney Burt
Collin Campbell
Ashley Carras
Valentina Cespedes
Cosette Charles
Sarah Choe
Liv Christensen
Lucy Christensen
Makinzee Cortes Zarate
James Davis
Nicole De Lara
Nicholas Delquadro
Lexie Durfee
Cassandra Ellett
Alison Galindo
Lynasi Gapelu
Lena Gardner
Ramon Guadiana
Meikayah Hall
Precious Harrison
Jonny Hernandez
Esmeralda Higuera Flores
Franklin Huerta
Beau Jackson
Daisy Jessop
Chandler Jones
Albert Kim
Sydney Kiphbaine
Elijah Kramer
Liberty Lyman
Michael Mai
Samuel Makin

Brady Mccone
Auzja Morse
Nelson Navarro
Mya Oetingter
Amelia Robinson
Kaylee Salazar
Maria Seage
Jia Shim
Mariko Shinn
Quinne Shultz
Simran Sidhu
Kaylee Stark
Lusia Tamala
Justin Tan
Roan Thomas
Kieran Tran
Anjali Vieira
Jasmine Yath
Scarlett Zarate Cortes
Dee Foundation Scholarship

The Lawrence T. Dee and Janet T. Dee Foundation was established by Lawrence Taylor and Janet Teller Dee in 1971 for the purpose of promoting charitable activities in Ogden and the surrounding area. It remains a family foundation dedicated to furthering the growth and well-being of the people of northern Utah. OUR appreciates the ongoing commitment to support undergraduate research through scholarships.

- **Aksel Anderson**, Three-Dimensional Mapping of Ischemic Zones and Coronary Perfusion  
  Faculty Mentor: Rob MacLeod, College of Engineering
- **Cassandra Burdick**, Box and Blocks-Virtual Reality Environment  
  Mentor: Caleb Thomson, College of Engineering
- **Kyle Harshany**, The effect of the gain & loss of neuronal ceramides on behavior in an early onset Alzheimer’s mouse model  
  Faculty Mentor: William Holland, College of Health
  Faculty Mentor: Rob MacLeod, College of Engineering
- **Maddie Lodico**, Evaluating the response sensitivity of axons, from realistic geometries of axon trajectory, to optimize contact location for deep brain stimulation  
  Faculty Mentor: Chuck Dorval, College of Engineering
- **Irvane Nelson**, The efficacy of the novel somatostatin receptor 2 antagonist, ZT-01, given via an osmotic pump to restore glucagon secretion in diabetic rats  
  Faculty Mentor: Owen Chan, School of Medicine
- **Elizabeth Russo**, Dear Sister Letter Campaign  
  Faculty Mentor: Annie Fukushima, School for Cultural & Social Transformation
- **Nick Thomson**, Investigating Sex Differences in Arteriovenous Fistula Maturation  
  Faculty Mentor: Yan-Ting Shiu, School of Medicine
Francis Family Fund Scholarship

The John A. and Irene F. Francis Endowment Fund was established by John A. Francis in memory of his wife, Irene F. Francis, and to acknowledge the work of his son, John G. Francis, professor of political science at the University of Utah. The Francis Endowment Fund recognizes outstanding undergraduate researchers in the arts, social sciences, and the humanities, prioritizing students who are entering a third semester of research or graduating.

- **Nia Brooks**, Investigating the Role of Microglia in Experimental Cerebral Malaria
  Faculty Mentor: Tracey Lamb, School of Medicine

- **Cameron Davis**, Probing the Role of Nup50 in the DNA Damage Response
  Faculty Mentor: Douglas Mackay, School of Medicine

- **Gabriel Hammond**, Genomic Analysis of Male Reproductive Skew in Bornean and Sumatran Orangutans
  Faculty Mentor: Timothy Webster, College of Social & Behavioral Sciences

- **Halisha Knipe**, Correcting a Bioinformatic Alignment Error in Archaic Genomes
  Faculty Mentor: Timothy Webster, College of Social & Behavioral Sciences

- **Clara Kramer**, Temperature-Dependent Effects of Nanoparticle Addition on the Performance of an Alternative Polymer Ski Base Material
  Faculty Mentor: Jeffrey Bates, College of Engineering

- **Haley Parsons**, Cultural Adaptations and Modifications to Behavioral Interventions: Application to Diabetes Prevention for Latine Adults
  Faculty Mentor: Katie Baucom, College of Social & Behavioral Sciences

- **Rachel Ricks**, Does Dietary Blueberries Modulate Tau Aggregates and Prevent Alzheimer’s Disease Complications in PS19 Mice?
  Faculty Mentor: Anandh Babu Pon Velayutham, College of Health

- **Maddox Riewald**, Characterization of an Anti-Fungal Natural Product Produced by Methylobacter tundripaludum strain 21/22
  Faculty Mentor: Aaron Puri, College of Science

Parent Fund Scholarship

The Parent Fund is sustained by parents and supports student centered programs and initiatives. The Parent Fund plays an integral role in the University of Utah’s ability to provide students with exceptional opportunities inside and outside the classroom.

- **Libby Brooks**, Nutrient Release of Tumor Stroma is Controlled by Glucocorticoid
  Faculty Mentor: Natasha Pavlova, School of Medicine

- **Logan Lancaster**, Using OpenSim to Model, Simulate, and Improve Gait Symmetry in Stroke Survivors
  Faculty Mentor: Haohan Zhang, College of Engineering

- **Carmen Nieznanski**, Kinetics of Vibrio Cholerae Antibody Responses among Cholera Patients in Goma, DRC, Frequency Distribution of Cholera Antibody Responses in Females vs Males in Haiti
  Faculty Mentor: Daniel Leung, School of Medicine

- **Alison Nopper**, Deaminative contraction chemistry for the synthesis of [2.2]paracyclophane and asymmetric derivatives
  Faculty Mentor: Andrew Roberts, College of Science
Recognition

Outstanding Undergraduate Researcher and Research Mentor Awards

Recognizing outstanding researchers and mentors is vital to a positive research culture. Every year, the Office of Undergraduate Research’s annual Awards Ceremony recognizes undergraduate student researchers and faculty mentors. This celebration is made possible by the important partnership with the 18 colleges. For the 2024 awards ceremony held on April 1, 2024, OUR recognized a total of 32 awardees. The OUR Mentor Awards are presented to faculty mentors who embody excellence in mentoring undergraduate researchers. The Outstanding Undergraduate Researcher Awardee is awarded to student researchers who represent sustained engagement and contributions to research. Awardees are selected leadership and committees, with the awards provided by OUR.

18 STUDENTS RECOGNIZED
15 COLLEGES & SCHOOLS
14 MENTORS RECOGNIZED
2024 Outstanding Undergraduate Researchers

College of Architecture + Planning
Tae Eun Ko (Faculty Mentor: Andy Hong)

School for Cultural & Social Transformation
Jorge Jimenez (Faculty Mentor: Edmund Fong)

College of Education
Michael Molenaar (Faculty Mentors: Frankie Laanan and Jason Burrow-Sanchez)

College of Engineering
Ethan Gallup (Faculty Mentor: Kody Powell)
Andrew Tolton (Faculty Mentor: Zlatan Aksamija)

College of Fine Arts
Alix Wright (Faculty Mentor: Mosses Williams)

College of Health
Maren Curtis (Faculty Mentor: Adriana M Coletta)

Honors College
Nehal Bakshi (Faculty Mentor: Melissa Watt)

College of Humanities
Pierce Christoffersen and Kalista Leggitt, Joint award (Faculty Mentor: Matt Haber)

School of Medicine
Alejandra Michelle Huerta Hernandez (Faculty Mentor: Jennie Hill)

College of Mines & Earth Sciences
Autumn Hartley (Faculty Mentor: Sarah Lambart)

College of Nursing
Michaella Halweg (Faculty Mentor: Rebekah Perkins)

College of Pharmacy
Kylee McManus (Faculty Mentor: Shreya Goel)

College of Science
Dua Azhar (Faculty Mentor: Sophie Caron)

College of Social & Behavioral Sciences
Andrew Clothier (Faculty Mentor: Tabitha Benney)

College of Social & Behavioral Sciences
Haley Parsons (Faculty Mentor: Katie Baucom)

College of Social Work
Xochitl Juarez (Faculty Mentor: Theresa Martinez)

2024 Outstanding Undergraduate Researcher Mentors

College of Architecture + Planning
Andy Hong, Ph.D

School for Cultural & Social Transformation
Lisa Diamond, Ph.D

College of Education
Lauren Liang, Ph.D

College of Engineering
Jacob George, Ph.D

College of Fine Arts
Hubbel Palmer

College of Health
Will Holland, Ph.D

College of Humanities
Maureen Mathison, Ph.D

School of Medicine
Melissa Watt, Ph.D

College of Mines & Earth Sciences
Sarah Lambart, Ph.D

College of Nursing
Sara Simonsen, Ph.D

College of Pharmacy
Hamid Ghandehari, Ph.D

College of Science
Sophie Caron, Ph.D

College of Social & Behavioral Sciences
Shane Macfarlan, Ph.D

College of Social Work
Lindsay Gezinski, Ph.D
Undergraduate Research Scholar Designation (URSD)

The Undergraduate Research Designation was created in 2006 to recognize undergraduate researchers engaging in sustained research. The designation appears in the awards section of the transcripts for graduating students, where awardees receive research cords from the Office of Undergraduate Research to wear during convocation and commencement ceremony. Students are recognized during the commencement. 129 students earned an Undergraduate Research Scholar Designation during the 2023-2024 academic year.

Congratulations to 2023-2024 Undergraduate Research Scholar Designation Recipients*

Aksel Anderson
Noah Armstrong
Dua Azhar
Sooyoun Bae
Nicholas Baker
Amelia Ballard
Daniel Steven Barrera
Austin Bender
Hannah Berrett
Arnel Besic
Addison Bethards
Radhika Bhakta
Adriana Bibo
Lexie Bingman
Whitney Blanchard
Dustin Breakfield
Amber Brooks
Sia Chauhan
Aidan Cheney
Alisha Chong
Pierce Christoffersen
Collin Clark
Andrew Clothier
Clara Coffey
Sarah Crago
Benjamin Creer
Pablo Cruz-Ayala
Alyssa Curtis
Caleb Curtis
Maren Curtis
Hailee Davis
Luis Lorenzo Delos Reyes
Cindy Diaz Rey
Eliza Diggins
Samuel Enke
Gabriela Eyring
Emriya Fanæian
Hailee Fell
MiKaela Field
Tanner Frahm
David Furness
Julia Clista Galecki
Kiersten Gardner
Danaya Geer
Marina Gerton
Anna Gilstrap
Dhruvan Gopinath
Alexa Gormick
Anisa Habib
Gabriel Hammond
Kylene Haslam
Emily Hernandez Alzamora
Joshua Hill
Phoenix Hines
Hailey Hollins
Amanda Holt
Akow Ibrahim
Lauren Isom
Anna Jacobsen
Amy Jamison
Rui Jin
Caroline Joung
Caroline Keller
Michael Keyser
Jennifer Kim
Terry Kim
Jonas Knochelmann
Mia Kowalczyk
Clara Kramer
Sydney Larsen
Olivia Lee
Clara Lindley
Grace Liu
Benvin Lozada
Grace Makassa Agnes
Caroline Martin
Abigail McDonald
Victoria Medvedeva
Carl Mellor
Angelina Miller
Raina Miller
Natalie Morgan
Krystan Morrison
Riley Murray
Samantha Nestel
Emma Norris
Elsa Osborne
Brandon Osgan
Taylor Otterness
Natasha Pagel-Aprill
Michael Palmer
Andrew Parker
Haley Parsons
Hetvi Patel
Raquel Perry
Nicholas Poll
Zoe Putnam
Alicia Quick
April Radford
Brooklyn Rapp
Kayla Rebentisch
Craig Reid
Emily Rhodes
Rachel Ricks
Lauren Rives
Alexander Romano
Emily Sageser
Lauren Shields
Morgan Smoot
Nancy Sohlberg
Lorelei Sole
Theadora Soter
Matthew Storie
Halle Taylor
Maegan Thomas
Ceyda Ural
Josie Valerius
Rene Valles
Chanel Van Ginkel
Anya Weglarz
Rachel Whipple
Elizabeth Winterholler
Alix Wright
DingBang Wu
Milo Yeates
Tyler Yoklavich
Bailey Young
Jakub Ziembicki
Jared Zollinger

* Students listed by name only - their majors/minors is achieved in disciplines across the 18 colleges.
Monson Prize

The Charles H. Monson Essay Prize honors Charles H. Monson Jr., a distinguished member of the University Philosophy Department from 1958 to 1974. Professor Monson earned both his bachelor’s and master’s degrees from the University of Utah and received his Ph.D. from Cornell University. During his years at the university, he served as chair of the Philosophy Department and Associate Vice President for Academic Affairs. He received the University’s Distinguished Teaching Award in 1970. In his honor, an annual prize is awarded to an undergraduate who writes an outstanding paper on a subject having to do with social change. We are grateful to the faculty committee members who served on this year’s selection committee: Amos Guiora and Akiko Kamimura.

2024 Monson Prize Awardee

Pablo Cruz-Ayala (Mentor: John Erickson, College of Fine Arts)

Non-Objective and Subject Matter Dependent Visual Stimulus in Artwork: Investigating Accessible Art Therapies for Vulnerable Populations

“This study investigates the impact of art-based interventions on heart rate variability (HRV) and emotional regulation among undocumented immigrant populations. Utilizing a community-based participatory research (CBPR) approach, objective and non-objective artworks were presented in a public gallery setting. Pulse oximetry wearable devices were employed for HRV analysis. Results show a statistically significant improvement in HRV among participants exposed to immigrant subject matter-based artwork, suggesting the potential of art-based therapies for emotional regulation. Despite limitations in sample size and ethnic diversity, these findings contribute to the literature on art therapy.”

- Pablo Cruz-Ayala
Monson Prize Awardee 2024

“Memories are Dew”
- Pablo Cruz-Ayala
Research Education Beyond the Classroom

Education Series

The Education Series is seminal for providing supplemental research content beyond the classroom. The Office recognizes that what happens in the classroom is a vital part of the academic experience. And that learning beyond the classroom through workshops and web content, is vital to supporting the research processes. In the education series, students find content where they can answer foundational questions when engaging in research. For 2023-2024, a total of 4,271 individuals attended OUR’s education series, sustaining record highs in numbers of attendees from the previous year.

875
LIVE / IN-PERSON ATTENDEES

4,271
ON-DEMAND ATTENDEES

EDUCATION SERIES TRACKS*

12
Research Basics & Skill Building

15
Social Justice & Ethics

8
Research Collaboration & Communication

4
Careers & Research

* Education series events can be listed in multiple tracks
Faculty and Student Collaborations

Central to OUR’s philosophy is a multi-level mentor model of faculty, staff, and peer support. Mentoring facilitates processes where students are able to integrate into the institution, and even, experience a sense of belonging. Mentors are central to socializing students into a research enterprise and also supporting professionalization.

OUR’s student leaders are available to support their peers in applying for IRBs, funding through Funding Fridays, facilitating workshops, and office hours to answer research questions. Staff and peer mentors assist students with questions about applying for funds, or how to finding research opportunities.

Research Mentors

Faculty and graduate students support undergraduate research as research mentors. Faculty who mentor funded OUR scholars become OUR faculty affiliates. The research mentoring process supports students with thinking like a researcher, metacognition, creating belonging, scaffolding experiences to support research processes, and incorporating students into the research enterprise. 474 faculty affiliates with the Office of Undergraduate Research.

To ensure high standards in award selection, OUR works with reviewers who evaluate OUR’s UROP projects and poster evaluators during our symposia. For 2023-2024, OUR collaborated with 207 reviewers and 161 poster-evaluators. We are so grateful to the faculty, graduate student, and staff who volunteer their time to ensure our processes are rigorous.

Finding research opportunities with faculty mentors at the U is important for student and faculty connections. Students and faculty utilize OUR’s database to “find an opportunity,” with the U’s award-winning faculty, also known as the “research database.” Opportunities posted in the database are then pushed out to social media and the link shared with faculty to share with their student networks.

<table>
<thead>
<tr>
<th>Faculty &amp; Graduate Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>161 POSTER EVALUATORS</td>
</tr>
<tr>
<td>207 REVIEWERS</td>
</tr>
<tr>
<td>480 RESEARCH OPPORTUNITIES POSTED</td>
</tr>
</tbody>
</table>
OUR Program Partners

In addition to the 18 colleges, OUR works with research teams across campus to support undergraduate students throughout the year through formal partnerships: OUR Program Partners. For 2023-2024, OUR grew the number of partners the office is collaborating with to 18 partners. The office is grateful for the enduring partnerships, the new collaborations, and the campus-wide efforts to create inclusive research environments. Our collaborations are made possible through research teams that are federally funded, privately funded, and faculty and staff research teams whose enthusiasm for undergraduate research leads them to collaborate with the office to build departmental, programmatic, and college infrastructure to support student researchers.

- Beckman Scholars Program - School of Computing
- Chemistry Research Experience for Undergraduates (REU) - Chemical Engineering
- 5 for the Fight Cancer Research Internship
- Genomics Summer Research for Magnificents (GSRM) Internship (NIH Research Education Program (R25))
- Haumana 'O Pasifika Program
- Health, Air Pollution and Population Initiative in Education and Science Training Materials Research Science & Engineering Centers (HAPPIEST)
- Medical Admission Preparatory Program (MAPP) Native American Summer Research Internship (NARI)
- PathMaker Scholars Cancer Research Program for Students
- Pathology Summer Program
- Physics & Astronomy REU
- Research Experiences to Advance the Careers of HBCU Undergraduates at the University of Utah (REACH U2) in Health Disparities Research
- Research Experience in A lpine Meteorology (REALM) REU (NSF REU)
- RUUTE Summer Undergraduate Research Experience (SURE)
- Summer Undergraduate Research Internship in Pharmaceutics and Drug Delivery (NSF REU)
- Wilkes Scholars Program

OUR Advisory Council

During the fall 2023 semester, OUR created an advisory council comprising of faculty and campus leaders. The advisory council is central to encouraging the university community to incorporate undergraduate researchers in the research enterprise. The council also approves rewarding outstanding undergraduate research mentors and outstanding undergraduate research awardees; suggests and encourage procedures through which students may improve effectiveness of the undergraduate research processes; makes recommendations concerning undergraduate research awards for early explorations, Summer Program for Undergraduate Research (SPUR), and OUR award processes. We thank 2023–2024 advisory council members:

- Vandana Ramachandran, David Eccles School of Business
- Annie Fukushima, School for Cultural & Social Transformation
- Akiko Kamimura, College of Social & Behavioral Science
- Brenda Heaton, School of Dentistry
- Sharlene Kiuhura, College of Education
- Tara Deans, John and Marcia Price College of Engineering
- Becky Zarate, College of Fine Arts
- Sean Flynn, College of Health
- J. David Symons, College of Health
- Rachel Hayes-Harb, Honors College
- Michael Middleton, College of Humanities
- Jasmine Kirby, Library
- Anne Marrow, Library
- Yan-Ting Shiu, College of Medicine
- Lauri Linder, College of Nursing
- Chris Reilly, College of Pharmacy
- Allison O’Connor, College of Social Work
- Cassie Slattery, College of Science
- Jakob Jensen, VPR’s Office
Dissemination of Knowledge Through Publication and Presentations

Publishing and presenting research is a vital part of completing the research journey. During the 2023-2024 academic year, OUR supported 794 undergraduate research presentations in the semester-based Undergraduate Research Symposia, Utah Conference on Undergraduate Research, Research on Capitol Hill, the National Conference on Undergraduate Research, and OUR sponsored symposia. To support student publications, OUR publishes student research in RANGE: Undergraduate Research Journal.

Undergraduate Research Symposia

Every semester, OUR hosts the Undergraduate Research Symposia. The first Undergraduate Research Symposium was hosted during Spring 2004. URS provides an opportunity for University of Utah students to present their work in a scholarly setting to students, faculty, and other members of the U community. Undergraduate students from all disciplines at the University of Utah are invited to present their research and creative work. To sustain diverse participation, the symposium is offered for all three semesters: 541 presenters were presented their research at OUR’s Undergraduate Research Symposium.

Additionally, OUR sponsors college and field-based symposia: College of Humanities, Math-for-All, and SACNAS. 154 students at our and our partner symposia. Sponsored symposia are promoted by OUR and receive other agreed upon support from the office.

- **235** SUMMER SYMPOSIUM PRESENTERS
  - In-person poster presentations

- **41** FALL SYMPOSIUM PRESENTERS
  - Virtual presentations

- **265** SPRING SYMPOSIUM PRESENTERS
  - In-person poster, oral, & performance presentations

- **154** OUR SPONSORED SYMPOSIAS
  - In-person poster, oral, & performance presentations
Undergraduate Research Symposia Successful Learning Outcomes

Undergraduate Researchers are evaluated during their poster presentations. This data is collected every symposia and made possible by the generous time provided by our poster evaluators.

794 POSTER PRESENTERS
656 POSTER EVALUATORS

Likert Scale self-reporting: Strongly Disagree to Strongly Agree
The Undergraduate Research Symposium 2024 poster prizes were awarded to 14 posters. The poster prizes recognized a range of disciplines and practices in poster design: citation, introduction, narrative, and visuals.

OUR is grateful for the 37 people who served as poster-evaluators from across the disciplines for the poster prizes. The poster prize committee comprised of a vital partnership between the Marriott Library and Undergraduate studies, including: Associate Dean Annie Isabel Fukushima (Undergraduate Studies and Office of Undergraduate Research), Associate Dean Joel Thornton (Marriott Library), Creativity & Innovation Services Head Greg Hatch (Marriott Library), Associate Librarian Shane Wallace (Marriott Library), Program Manager Shelly Parker, (Office of Undergraduate Research), Academic Program Coordinator Angie Leiva (Office of Undergraduate Research), and Academic Program Coordinator Jennifer Santiago (Office of Undergraduate Research).

The committee was deeply impressed by the quality of posters submitted for this competitive state-wide undergraduate research competition. The poster prizes were made possible by the bronze sponsors from Mascoff Brennan and Northrop Grumman.

### Best: Overall

**Aksel Anderson**
College of Engineering  
(Mentor: Rob MacLeod)

**Three-Dimensional Mapping of Coronary Vasculature Geometries**

---

### Best: STEM

**Clista Galecki**, College of Science, (Mentor: Joel Harris) Raman Spectroscopy Characterization of Antibody-ligand Association at Supported Phospholipid Bilayers

**Alexandra Glatz, Jennifer Kim, & CJ Reid**, College of Science, (Mentor: Ashlie Kinross) The Great Decaffeination: A Comparative Study on Removing and Quantifying Caffeine from Coffee Beans (Mentor: Ashlie Kinross)

### Best: Humanities and Fine Arts

**Lex Putnam**, College of Humanities, (Mentor: Aniello De Santo) Pre-Study Considerations: Quantifying Novel Slur Formation Through Textual Media Analysis

**Leslie Rodriguez**, School of Cultural & Social Transformation, (Mentor: Elizabeth Archuleta) Uncovering the Red Face Palm - A Decolonial Lens on MMIW (Murdered, Missing, Indigenous Women)
Anika D’Souza, School of Medicine, (Mentor: Donna Cross) Investigating the Effects of Microtubule-Stabilizing Treatment on Memory and Potentially Related Anxiety in Alzheimer’s Transgenic Mice

Chrizelle Ransom, College of Social & Behavioral Science, (Mentor: Marissa Diener) “Will They Listen to Us?” Midwives’ Perceptions of Policy Issues Relevant to their Work in Kenya

Auriana Dunn, College of Social & Behavioral Science, (Mentor: Kathryn Sokolowski, Graduate Student) Man’s best friend: Comparative osteology of Canidae species and remains at Nawthis Village, Utah

Haley Parsons, College of Social & Behavioral Science, (Mentor: Katherine Baucom) Investigating Adaptations Made by Lifestyle Coaches: An Implementation Study on Delivering the National DPP to Latine Adults

Honorable Mention: Benjamin Creer, College of Social & Behavioral Science, (Mentor: Cynthia Berg) Self-control of Adults with Type 1 Diabetes and Their Perceptions of Partner Support

Sophia Peralta, School of Medicine, (Mentor: Josh Bonkowsky) Advancements in Gene Therapy Approaches for Treating Vanishing White Matter Disease

Austin Bender, School of Medicine, (Mentor: Gregory Ducker) The Role of Ornithine, Polyamines, and Amino Acid Accumulation in the Growth of Melanoma

Savannah McDaniel, College of Humanities, (Mentor: Lisa Swanstrom) Creature Comforts: Domesticity and Domestication in Mary Shelley’s Frankenstein and Tim Burton’s The Nightmare Before Christmas

Joey Lee, College of Engineering, (Mentor: Alex Novoselov) Direct Numerical Simulation of Flame Propagation in Hydrogen and Ammonia Mixtures

Mickayla Koday, College of Fine Arts (Mentor: Maureen O’Hara Ure) SYZYGY: An Eclipse of the Self
Research on Capitol Hill (ROCH)

Research on Capitol Hill occurred on January 18, 2024 and was a success because of the enduring partnership between the Office of the Vice President for Research, the Office of Government Relations, and the Office of Undergraduate Research. Students are competitively selected to exhibit their work via posters to Utah State legislators. Legislators are invited by vice president Jason Perry and Natalie Tippets (Office of Government Relations), to learn more about R1 research and the vital role state funds have in fostering the future of Utah. 2024 Speakers included President Taylor Randall (University of Utah) and President Elizabeth Cantwell (Utah State University).

ROCH was covered by the Deseret News, KSL News, @THEU, and the Utah Education Network (UEN)

“Today what is happening is called Research on Capitol Hill, sometimes referred to as Research Day. It’s an opportunity for the two research universities, Utah State University and University of Utah, to collaborate, to come rotunda in Capitol Hill, to tell our legislators about research that is happening at our research universities. We have about 50 students who are presenting to their legislators. They have contacted them, connected with them. And we are all here to educate them about the impact research has for the state of Utah… This partnership between Utah State and University of Utah…. It’s because we are the only 2 universities in the Utah System of Higher Education that are public research universities… we want the public to know about our public commitments to research and to our communities.”

-- Annie Isabel Fukushima
Associate Dean, Undergraduate Studies
interview with Utah Education Network:
https://www.facebook.com/UtahEducationNetwork/videos/275872995603280
Utah Conference on Undergraduate Research (UCUR)

The mission of the Utah Conference on Undergraduate Research (UCUR) is to promote undergraduate research, scholarship, and creative activity, done with the mentorship of a faculty member or others, through an annual conference. Student presentations are welcome in all fields and disciplines from the creative and performing arts to biomedical, engineering, and social science research. UCUR 2024 was hosted by Utah Valley University on February 16, 2024.

National Conference on Undergraduate Research (NCUR)

The National Conference on Undergraduate Research took place April 8-10, 2024 at California State University, Long Beach. OUR supports student travel to conferences and paid for the NCUR student registration fees.
Central to the research cycle is disseminating research. To facilitate student’s experiencing and practicing research dissemination, OUR publishes twice a year Range: Undergraduate Research Journal. The journal is published on Press Books. Every year, the journal publishes two issues - the first in July and the second in December. The Office presented on the accessibility of the publication, and the ease with circulating and archiving the journal with the library. Now student publications can be easily found, in the journal, featuring abstracts, thesis, and research reflections.

To continue to raise the visibility of the journal, associate dean Annie Isabel Fukushima and undergraduate research leader Kishan Thambu presented at the Open Education Resources Symposium, March 25-28, 2024, as a project showcase. During the presentation Fukushima reflected on the history of the journal. Founded in 2001 as Undergraduate Research Journal, printed as a reader that was archived with the library. The reader featured student abstracts. Then in 2015, the journal moved to being a website, however, was not findable or searchable. Therefore, the journal moved to its new platform in the fall of 2022 with Press books and has grown in the kind of content students are publishing with the journal.

Kishan Thambu UEN presentation recording: https://www.uen.org/pressbooks/oer-event/index.shtml
Peer Mentoring and Staff Support

Undergraduate Research Leaders: Peer-Mentors

Undergraduate research leaders serve as important ambassadors to a campus culture that fosters undergraduate research. Undergraduate Research Leaders table, provide classroom or group presentations, facilitate workshops, and provide research advising as peer-mentors. Specialist roles serve specific functions.

OUR’s IRB Lab is a partnership with the University of Utah Institutional Review Board. The student leader is trained by IRB, serves on the panels, and utilizing this insider knowledge of IRB, provides a space for peers to receive support on their IRB applications.

The Publications and Research Publics Specialist supports Range: Undergraduate Research Journal, serving as the journal student editor collaborating with a staff editor and the chief editor.

Funding Fridays operates as a weekly drop-in time for students to receive support with their UROP, SPUR, and Travel & Small Grant applications, supported by the Pre-Award Specialist.

The social media specialist creates student-friendly messaging and images to promote OUR events, activities, and programs. And the STEM specialist helps to grow inclusion in STEM fields. We are so grateful to all of our student leaders who serve vital roles coaching their peers about research, connecting students to resources, and supporting the office’s activities.

Thank you to the 2023-2024 Undergraduate Research Leaders

- Doi Ahn, Animator (2023)
- Anna Gilstrap, Social Media Specialist (2023-2024)
- Ali Nopper, STEM Specialist (2023-2024)
- Sonia Osuna, Pre-Award Specialist (2023-2024)
- Ava Peitz, IRB Specialist (Spring 2023-2024)
- Kishan Thambu, Publications & Presentations (2023-2024)
Communications and outreach are vital processes to connecting with students. The OUR outreach includes tabling, classroom presentations, social media, and our website. During Fall 2022, in partnership with University Marketing & Communications, OUR launched the newly designed website. This included the use of a new platform, MyEmma, to distribute communications via a bi-weekly newsletter.

3,607
REACHED IN-PERSON
Tabling at events & classroom presentations

121,409
OUTREACHED ON SOCIAL MEDIA

233,855
WEBSITE VISITORS

5,102
NEWSLETTER RECIPIENTS
OUR supports graduate school aspirations in undergraduate researchers by co-hosting the “Graduate School Mini Expo” as part of its summer programs. On June 6, 2024 the most recent Mini Expo was hosted as part of summer events with 148 students in attendance. The Mini Expo is a partnership between OUR Summer Programming, OUR Summer Program Partners, and the Graduate School. This year keynote speaker was Dean Darryl Butt of the graduate school. Thank you to the workshop presenters:

- Demystifying Graduate School & Tips to Conquering Imposter Syndrome
  - Dr. Tiffany Baffour, Associate Dean, Graduate School
- Interviewing Skills
  - Dr. Maija Holsti, Professor, Pediatric Emergency Medicine and Pediatrics
- Graduate School Applications Panel
  - Valerie Greer, Architecture + Planning
  - Dr. Lisa Gren, Public Health
  - Dr. Anne Jamison, Humanities/English
  - Dr. Alex Lex, Computing
  - Alex Steele, Dentistry
- How to Thrive as a Graduate Student Panel
  - Russell deJesus
  - Dr. Michael Emch
  - Paola Fonseca-Romero
  - Dr. Danielle Germundson-Hermanson
- Personal Statements
  - Dr. Maureen Mathison, Associate Professor, Writing and Rhetoric Studies

## Graduate School

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### OBJECTIVE 02
**Supporting Graduation Rates with High Impact Practices**

### OUR Graduation Rates

The Office of Undergraduate Research is committed to retaining students towards graduation. We recognize that participating in research is vital to many students experiences - where our students experience high impact mentoring, experiential learning with research, and wrap-around support with research advising, educational series, and opportunities to disseminate their research.

- **62%**
  - GRADUATE IN 4 YEARS
- **91%**
  - GRADUATE IN 6 YEARS

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OUR is committed to supporting undergraduate researchers across the disciplines. Accessing research opportunities should not be a barrier for any student: regardless of GPA, where they come from, and what they are majoring in. The below shows how OUR is creating inclusive research environments for students through diverse recruitment of low-income, transfer, and first generation students.

Data aggregates percentiles from students since 2015, and the provided data represents student diversity 2015-2024. Data based on 6,549 participants between 2015-2024.
OBJECTIVE 04
Supporting the University’s $1 Billion Research Goal Through Fundraising and Grant Application

The university is committed to growing its research enterprise to $1 billion. To do this, the Office of Undergraduate Research fundraises and the associate dean actively is pursuing grants. The Associate Dean regularly provides letter of support and collaboration to faculty pursuing federal grants such as National Science Foundation and National Institutes of Health.

OUR participated in the April 2-3, 2023 #UGivingDay in partnership with Undergraduate Studies Advancement. Undergraduate Research Leader Ava Peitz recorded the below video for the campaign.

https://www.youtube.com/watch?v=u42SmC7UAu8

Special thanks to all those who gave to OUR in 2023-2024.

Because of the wide-range of support OUR receives, we are a success.

PARTNERS
Undergraduate Studies units
Vice President for Research

SPONSORS
Graduate School
J. Willard Marriott Library

DONORS
Lawrence T. Dee and Janet T. Dee Foundation
The Francis Family Fund
Parent Fund
Monson Award Endowment Fund
Maschoff Brennan
Northrup Grumman

INDIVIDUAL DONORS ON GIVING DAY
Lynn Wong
Dr. Katie Baucom
Dr. Marissa Diener
Dr. Annie Fukushima
Drs. Martin & Susan Horvath
Dr. Dennis & Mrs. Anne Parker
Dr. David Grainger
Chelsie Armstrong
Kenneth Lockrey
Kelly South
Dr. Melissa Watt
Heidi Woodbury
## Appendix A: UROP Scholars (Summer 2023-Summer 2024)

### Architecture + Planning
- **(3)**
  - Tiana Ko (Fall 2023)
  - Emma Glende (Spring 2024)
  - Rachel Walker (Spring 2024)

### Business **(2)**
- Asher Bess (Summer 2023)
- Emily Hernandez Alzamora (Spring 2024)

### Cultural & Social Transformation **(8)**
- Lilian Aguilar Garcia (Summer 2023)
- Lauren Rives (Summer & Fall 2023)
- Jaylee Aston (Spring 2024)
- Marylinda Gonzalez (Spring 2024)
- Brekke Pattison (Spring 2024)
- Perla Rivera (Spring 2024)
- Leslie Rodriguez (Spring 2024)
- Kadi Sow (Spring 2024)

### Dentistry **(2)**
- Alex Romano (Summer 2023 & Fall 2023)
- Carter Martin (Fall 2023)

### Education **(5)**
- Michael Molenaar (Fall 2023)
- Shreya Harikumar (Spring 2024)
- Cassidy Lamm (Spring 2024)
- Steven Luo (Summer 2024)
- Jun Yoon (Spring 2024)

### Engineering **(130)**
- Ian Aist (Fall 2023)
- Dominic Alei-Gonzalez (Spring 2024)
- Alex Altherr (Fall 2023)
- Aksel Anderson (Summer 2023)
- Bryson Anderson (Summer 2024)
- Sanjana Aujla (Fall 2023 & Spring 2024)
- Kamry Bailey (Summer 2023)
- Nicholas Baker (Fall 2023 & Spring 2024)
- Chad Berghoff (Summer 2024)
- Kin Blandford (Summer 2023)
- Lucas Bolster (Fall 2023 & Spring 2024)
- Jackson Brough (Fall 2023 & Spring 24)
- Nate Brown (Spring 2024)
- Joey Cai (Spring 2024)
- Ethan Carcas (Summer & Fall 2023)
- Arianna Carter (Fall 2023 & Spring 2024)
- John Chae (Fall 2023 & Spring 2024)
- Sarah Choe (Spring 2024)
- John Cimmarusti (Spring 2024)
- Mary Clancy (Spring 2024)
- Jeremy Clark (Spring 2024)
- Andrew Coda (Spring & Summer 2024)
- Daniel Coimbra Salomão (Summer 2024)
- Kiley Cole (Fall 2023)
- Jensen Coombs (Summer 2024)
- McKenna Coughlin (Fall 2023 & Spring 2024)
- Catherine Davey (Spring 2024)
- Lance Delos Reyes (Summer & Fall 2023)
- Kerrigan Denham (Spring 2024)
- Jason Dieu (Summer 2023)
- Seth Doubek (Spring 2024)
- Zane Enders (Fall 2023 & Spring 2024)
- Emily Erickson (Spring 2024)
- Abby Firth (Summer 2023)
- Jensen Fobel (Fall 2023)
- Adrian Franz-Garrison (Spring 2024)
- Zane Frey (Spring 2024)
- Walter Geiger (Fall 2023)
- Emily Giesinger (Summer 2023)
- Alex Gilsoul (Fall 2023)
- Verl Grant (Summer 2023 & Spring 2024)
- Josh Gubler (Summer 2023)
- Peri Harward (Fall 2023)
- Ethan Hathaway (Fall 2023 & Spring 2024)
- Milo Headden (Fall 2023)
- Milo Headden (Spring 2024)
- Shing Hei Ho (Summer 2023)
- Oliver Hubbard (Fall 2023)
- Anna Huber (Fall 2023)
- Chimdi Ihediwa (Summer 2024)
- Justin Isaac (Summer 2023)
- Yazan Issa Sammaneh (Fall 2023 & Spring 2024)
- Kyle Jensen (Spring 2024)
- Rui Jin (Summer 2023)
- Wyatt Jones (Fall 2023)
- Britton Jordan (Fall 2023 & Spring 2024)
- Ishita Juluru (Fall 2023)
- Celeste Kalapala (Spring 2024)
- Asma Khan (Spring 2024 & Summer 2024)
- Jeewon Kim (Summer 2023)
- Taehoon Kim (Summer 2024)
- Wooyoung Kim (Summer & Fall 2023)
- Yeonsu Kim (Summer 2023)
- Jonas Knochelmann (Spring 2024)
- Ronnie Koe (Spring 2024)
- Clara Kramer (Fall 2023)
- Logan Lancaster (Fall 2023)
- Jae Woong Lee (Spring 2024 & Summer 2024)
- Jiwon Lee (Fall 2023 & Spring 2024)
- Joey Lee (Summer 2023 & Spring 2024)
- Kevin Lee (Summer 2023)
- Sam Lewis (Summer & Fall 2023)
- Luke Loehding (Summer 2023 & 2024)
- Jacob Loseman (Summer 2024)
- Ty Lunde (Summer 2023)
- Sam Makin (Summer 2024)
- Kalina Manova (Fall 2023 & Spring 2024)
- Jenfaer Marsh (Fall 2023)
- Brooklyn Mears (Spring 2024)
- Max Morris (Spring 2024)
- Sami Mower (Fall 2023 & Spring 2024)
- Grant Nations (Fall 2023)
- Phat Nguyen (Fall 2023)
Appendix A: UROP Scholars - Continued

Engineering - Continued
Quinna Nguyen (Summer 2023)
Christian Norman (Spring 2024)
Kenneth Ochoa (Fall 2023)
Charlie Osborne (Spring 2024)
Andrew Pack (Summer 2023)
Jiwon Park (Summer 2024)
Kibin Park (Spring & Summer 2024)
John Peterson (Fall 2023 & Spring 2024)
George Polishchuk (Summer 2023)
LP Purdy (Fall 2023)
Zachary Rasmussen (Summer & Fall 2023)
Jessica Redmond (Fall 2023)
Keegan Richardson (Summer 2024)
Bryce Rundell (Fall 2023)
Sanaa Sadiq (Spring 2024)
Lyndsey Schultz (Fall 2023)
Jaskehar Sekhon (Spring 2024)
Gabe Sherman (Summer 2023)
Slade Slack (Fall 2023 & Spring 2024)
Sydney Smith (Summer 2024)
Nate Soejima (Spring 2024)
Megan Stephens (Fall 2023)
Abigail Stringfellow (Fall 2023 & Spring 2024)
Nathan Sudbury (Summer 2023)
Jordan Tan (Spring 2024)
Halli Thompson (Spring 2024)
Nathan Toth (Fall 2023)
Reynaldo Villarreal Zambrano (Spring 2024)
Emma Wadsworth (Fall 2023 & Spring 2024)
Madeline Wagner (Spring 2024)
Tyler Walker (Summer & Fall 2023)
Nathan Wallace (Fall 2023)
Tanner Watts (Fall 2023)
Thomas Webb (Summer 2024)
Jude Werth (Spring & Summer 2024)
Stanley Wessman (Summer 2024)
George Wintriss (Summer 2024)
Herbie Wright (Summer 2023)
Kelly Wu (Fall 2023)
Dobin Yang (Summer 2023)
Yang Yang (Spring 2024)
Eden Yau (Spring 2024)
Wyatt Young (Summer & Fall 2023)
Andy Yu (Fall 2023)
Chandler Zaugg (Spring 2024)
Ien Zelinski (Summer & Fall 2023)

Fine Arts (13)
Tate Alexander (Summer 2023)
Camden Barrett (Summer 2023)
Courtney Buss (Summer 2024)
Lauren Carn (Spring 2024)
Brandi Chase (Summer 2024)
Pablo Cruz Ayala (Fall 2023)
Andie Funk (Spring 2024)
Mickayla Koday (Fall 2023 & Spring 2024)
James Navarro (Summer 2024)
Michael Palmer (Summer 2023 & Spring 2024)
Steffan Perez-Velez Solis (Fall 2023)
Colin Poly (Spring 2024)
Elle Taylor (Fall 2023)
Alix Wright (Fall 2023 & Spring 2024)

Health (19)
Amer Al-Shuqairat (Summer 2024)
Jasmine Arreguin (Summer 2023)
Noah Bondi (Summer 2023)
Alisha Chong (Fall 2023)
Katie Comer (Spring 2024)
Ivan Delgado (Fall 2023 & Spring 2024)
Chance Deschamps-Prescott (Spring 2024)
Jaime Hurtado-Orozco (Summer 2024)
Elly LaMonte (Fall 2023)
Norah Milam (Spring & Summer 2024)
Venisia Paula (Spring 2024)
Brianna Poulson (Summer 2024)
Alex Puccio (Summer 2024)
Seth Roberts (Summer 2024)
Faith Smart (Fall 2023 & Spring 2024)
Sia Tamala (Spring 2024)
Ceyda Ural (Fall 2023 & Spring 2024)
Jack Wilson (Summer 2024)
Ximena Zendejas-Portugal (Spring 2024)

Honors College (1)
Jane Putnam (Spring 2024)

Humanities (21)
Britta Bolander (Fall 2023)
John Bowden (Summer 2023)
Z Chodos (Fall 2023)
Ryan Christenson (Spring 2024)
Caleb Curtis (Summer & Fall 2023)
Pierce Dirks (Christoffersen) (Fall 2023)
Lucas Gunyan (Summer 2024)
Caroline Jarvis (Spring 2024)
Mike Komigi (Spring 2024)
Marco Leavitt (Summer 2023)
Kalista Leggitt (Fall 2023)
Melissa Lira (Summer 2023)
Eliana Massey (Fall 2023 & Spring 2024)
Savannah McDaniel (Fall 2023)
Brandon Osgan (Spring 2024)
Mel Palmer (Fall & Summer 2023)
Lex Putnam (Fall 2023)
Polly Redd (Summer 2024)
Shreya Reddy (Summer 2024)
Thea Soter (Spring 2024)
George West (Summer & Fall 2023)

Law (1)
Noah Reese (Spring 2024)

Medicine (97)
Ian Aist (Spring 2024)
Mikayla Anderson (Spring 2024)
Shannon Anderson (Summer 2024)
Annika Bachman (Spring & Summer 2024)
Halli Baird (Fall 2023 & Spring 2024)
Ben Baldwin (Spring 2024)
Deeveya Baral (Spring 2024)
Austin Bender (Summer 2023)
Ayden Berndt (Spring 2024)
Hannah Berrett (Fall 2023 & Spring 2024)
Adriana Bibo (Fall 2023)
Veronic Boire (Spring 2024)
Brigham Boyack (Summer 2024)
Emma Breen (Spring 2024)
Libby Brooks (Fall 2023)
Appendix A: UROP Scholars - Continued

**Medicine - Continued**

Meghan Carter (Fall 2023 & Spring 2024)
Wesley Chidester (Fall 2023)
Eeshan Chowdhary (Fall 2023)
Collin Clark (Fall 2023 & Spring 2024)
Jasmin Cornish (Spring 2024)
Sarah Dallas (Spring 2024)
Cameron Davis (Summer & Fall 2023)
Anne Done (Fall 2023 & Spring 2024)
Anika D’Souza (Fall 2023 & Spring 2024)
Hannah Duron (Summer 2023)
Ryan Farnsworth (Summer 2024)
MiKaela Field (Fall 2023)
Caroline Giddings (Spring 2024)
Reece Goh (Summer 2024)
Dhruvan Gopinath (Fall 2023)
Alexa Gormick (Summer & Fall 2023)
Breydon Hardy (Summer & Fall 2023)
Addison Hedges (Fall 2023 & Spring 2024)
Emily Herdic (Spring 2024)
Camille Hoang (Fall 2023)
Soy Im (Summer 2024)
Amy Jamison (Fall 2023)
Hephzibah Kaleem (Fall 2023)
Alaina Kelly (Spring 2024)
Jennie Kim (Spring 2024)
Peyton King (Summer & Fall 2023)
Mia Kowalczyk (Fall 2023)
Xander Kraus-McLean (Summer 2023)
Jordan Langford (Spring & Summer 2024)
Brenda Lee (Fall 2023)
Tina Ly (Summer 2024)
Grace Makassa Agnes (Fall 2023)
Lorrin Malady (Summer 2023 & Spring 2024)
Kayla Marks (Fall 2023 & Spring 2024)
Malia Mason (Summer 2024)
Alan Mo (Spring 2024)
Eliana Moreno (Spring 2024)
Ritika Nayan (Summer & Fall 2023)
Tiffany Nguyen (Spring 2024)
Julia Nguyen (Fall 2023)
Carmen Nieznanski (Summer 2023)
Abby Niwa (Summer 2023 & 2024)
Hannah Nordhoff (Fall 2023 & Spring 2024)
Eva Owen (Spring 2024)
Kevin Pan (Summer 2024)
Nate Patchen (Fall 2023 & Spring 2024)
Derrick Peterson (Summer 2024)
Savannah Petey (Spring 2024)
Nic Poll (Fall 2023)
Margaret Pozo (Spring 2024)
Jane Putnam (Summer 2024)
Olivia Raines (Fall 2023)
Carson Sautter (Fall 2023 & Spring 2024)
Isabella Scalise (Fall 2023 & Spring 2024)
Gavin Schaaf (Fall 2023)
Kiba Sedigh (Fall 2023)
Sandhya Senthilkumar (Summer 2024)
Jonah Simmons (Fall 2023 & Spring 2024)
Marie Slater (Fall 2023)
Clara Smith (Spring 2024)
Mayson Smith (Fall 2023 & Spring 2024)
Ryleigh Smith (Fall 2023)
Morgan Smoot (Summer & Fall 2023)
Lorelei Sole (Spring 2024)
Alayna Stoddard (Spring & Summer 2024)
Porter Stulce (Summer & Fall 2023)
Yvonne Sun (Fall 2023)
Jacob Sussman (Fall 2023 & Spring 2024)
Matyas Szilagyi (Summer 2023)
Rushmeen Tariq (Fall 2023)
Kiersten Thompson (Summer 2023)
Nick Thomson (Summer 2023)
River Tobias (Summer & Fall 2023)
Caitlin Tweed (Summer 2024)
Alec Tzeng (Fall 2023 & Spring 2024)
Kyle Valestrino (Summer 2023 & Spring 2024)
Rene Valles (Spring 2024)
Alicia Velazquez (Spring 2024)
Daniel Wray (Summer 2024)
Eleni Yannias (Spring 2024)

**Mines & Earth Sciences (14)**

Logan Ashurst-McGee (Summer 2023)
Emma Boeman (Fall 2023)
Samuel Bona (Fall 2023)
Garrett Butler (Summer 2023)
Margaret Call (Spring 2024)
Melanie Gomez (Fall 2023)
Justin McKee (Fall 2023 & Spring 2024)
Rae Noble (Fall 2023)
Christian Norman (Fall 2023)
Cameron Olsen (Fall 2023)
Henry Peterson (Fall 2023)
Alec Phipps-Wirtz (Summer 2023)
Constance Sauve (Spring 2024)
Annabelle Warner (Fall 2023 & Spring 2024)

**Nursing (6)**

Sofia Flowers (Summer & Fall 2023)
Michaela Lawson (Summer & Fall 2023)
Brianna Oliveros (Summer 2023)
Stephanie Quist (Summer 2024)
Joshua Seabury (Summer 2024)
Haley Utendorfer (Summer 2023)

**Pharmacy (5)**

Lily Halberg (Summer 2023 & 2024)
Isaac Kendell (Fall 2023 & Spring 2024)
Husain Arshad (Spring 2024)
Kish Jay (Summer 2024)
Zhenyu Yang (Spring 2024)

**Science (67)**

Sage Acord (Spring 2024)
Kobi Baker (Spring 2024)
Samantha Ball (Fall 2023)
Lexie Bingman (Spring 2024)
Ella Bleak (Spring 2024)
Leo Bloxham (Spring 2024)
Gabe Brown (Spring 2024)
Appendix A: UROP Scholars - Continued

**Science - Continued**
- Janint Camacho (Summer 2023)
- Harold Chen (Summer 2023 & 2024)
- Ashlyn Christensen (Spring 2024)
- Anna Christiansen (Fall 2023)
- Noah Conner (Summer & Fall 2023)
- Alyssa Curtis (Spring 2024)
- Emily Dalley (Fall 2023 & Spring 2024)
- Natalia Danilla (Fall 2023)
- Madi Dean (Fall 2023)
- Kiyanna Porter (Summer 2023)
- Bridget Raymundo (Summer 2023)
- Ethan Reid (Summer 2023)
- Maddox Riewald (Summer & Fall 2023)
- Liza Roberts (Spring 2024)
- Bibiana Rodriguez Vega (Fall 2023 & Spring 2024)
- Michael Romero (Fall 2023)
- Emily Sageser (Fall 2023)
- Nick Seefeldt (Fall 2023 & Summer 2024)
- Richie Sheng (Summer 2024)
- Jonathan Sing (Fall 2023 & Spring 2024)
- Angelina Skedros (Spring 2024)
- Gigi Skedros (Fall 2023)
- Sydney Skousen (Spring 2024)
- Anahya Yalavarty (Spring 2024)
- Beth Penderghast (Fall 2023 & Spring 2024)
- Allie Perkins (Fall 2023 & Spring 2024)
- Kiyanna Porter (Summer 2023)
- Bridget Raymundo (Summer 2023)
- Ethan Reid (Summer 2023)
- Maddox Riewald (Summer & Fall 2023)
- Liza Roberts (Spring 2024)
- Bibiana Rodriguez Vega (Fall 2023 & Spring 2024)
- Michael Romero (Fall 2023)
- Emily Sageser (Fall 2023)
- Nick Seefeldt (Fall 2023 & Summer 2024)
- Richie Sheng (Summer 2024)
- Jonathan Sing (Fall 2023 & Spring 2024)
- Angelina Skedros (Spring 2024)
- Gigi Skedros (Fall 2023)
- Sydney Skousen (Spring 2024)
- Anahya Yalavarty (Spring 2024)
- Saya Zeleznik (Spring 2024)
- Cindy Diaz Rey (Fall 2023)
- Jeff Dillon (Summer 2023)
- Isabella Dinardo (Summer 2024)
- Sophia Dodge (Fall 2023)
- Caston Draper (Spring 2024)
- Sam Enke (Spring 2024)
- Brock Epperson (Summer 2024)
- Hanna Farra (Spring 2024)
- Carissa Guardado (Fall 2023 & Spring 2024)
- Gabriel Hammond (Summer & Fall 2023)
- Aubrey Hampton (Summer 2024)
- Kylene Haslam (Fall 2023)
- Sarah Herring (Spring 2024)
- Grace Heyborne (Spring 2024)
- Alex Higuera (Spring 2024)
- Gabriel Holm (Spring 2024)
- Amanda Holt (Summer 2023 & Spring 2024)
- Izzy Hong (Summer 2023)
- Akow Ibrahim (Fall 2023 & Spring 2024)
- Lauren Isom (Fall 2023)
- Xochitl Juarez (Spring 2024)
- Terry Kim (Spring 2024)
- Halisha Knipe (Summer & Fall 2023)
- Whitney Lang (Summer 2024)
- Emma Layon (Fall 2023)
- Max Lepore (Spring & Summer 2024)
- Griffin Light (Spring 2024)
- Yanet Matos (Fall 2023)
- Seunghee Moon (Summer 2023)
- Andrew Nielsen (Summer 2023)
- Abbie Nistler (Spring 2024)
- Ashley Olsen (Summer 2024)
- Elsa Osborne (Spring 2024)
- Andrew Parker (Spring 2024)
- Haley Parsons (Fall 2023)
- Sean Paton (Fall 2023 & Spring 2024)
- Jillian Perry (Fall 2023)
- Mckenzie Price (Summer 2024)
- April Radford (Fall 2023 & Spring 2024)
- Jade Ramirez-Barraza (Summer 2023)
- Logan Reeves (Fall 2023)
- Zoha Riaz (Summer 2024)
- Hailey Sherman (Spring 2024)
- Lauren Shields (Fall 2023)
- Daniel Smith (Summer 2024)

**Social & Behavioral Sciences (66)**
- Jaylee Aston (Fall 2023)
- Theo Baende (Fall 2023)
- Nile Boyer (Spring 2024)
- Haylee Bracken (Summer 2024)
- Dustin Breakfield (Fall 2023 & Spring 2024)
- Zoe Brown (Fall 2023)
- Kerrigan Bunker (Fall 2023)
- Sia Chauhan (Fall 2023 & Spring 2024)
- Abby Christensen (Fall 2023)
- Eamon Christiansen (Summer 2023)
- Brette Crane (Summer 2024)
- Ben Creer (Fall 2023 & Spring 2024)
- Bennett Davenport (Fall 2023 & Spring 2024)
- Hailee Davis (Summer 2023)
- Celeste Dean (Summer 2024)
Appendix A: UROP Scholars - Continued

Social & Behavioral Sciences - Continued
Suzy Smith (Summer 2024)
Shannielle Taylor (Fall 2023 & Spring 2024)
Maya Upton (Fall 2023)
Emma Videla (Fall 2023)
Chloe Voss (Fall 2023)
Sola Yu (Fall 2023)

Social Work (4)
Angelica Uzoigwe (Fall 2023)
Heba Alhamdani (Summer 2024)
Daytnn Bartschi (Spring & Summer 2024)
Gracie Cottage (Summer 2024)
Appendix B: UROP Faculty Mentors (Summer 2023-Summer 2024)

Architecture + Planning (3)
Andy Hong (Fall 2023)
Milad Hosseini-Mozari (Spring 2024)
Alexandra Ponette-Gonzalez (Spring 2024)
Marc Calaf (Spring 2024)
Rogelio Cardona-Rivera (Spring 2024)
Deisy Carvalho Fernandes (Fall 2023 & Spring 2024)
Jiyoung Chang (Fall 2023, Spring 2024, Summer 2024)
Ashley Dalrymple (Fall 2023 & Summer 2024)
Stavros Drakos (Fall 2023)
Daniel Drew (Fall 2023)
Shireen Elhabian (Spring & Summer 2024)
Tianli Feng (Fall 2023)
Cindy Furse (Fall 2023 & Summer 2024)
Jake George (Fall 2023 & Spring 2024)
Hamid Ghandehari (Fall 2023)
Laura Hallock (Summer 2024)
Bob Hitchcock (Fall 2023)
Jacob Hochhalter (Summer 2024)
Edward Hsu (Spring 2024)
Kerry Kelly (Spring & Summer 2024)
Jay Kim (Fall 2023 & Spring 2024)
Marina Kogan (Spring 2024)
Jessica Kramer (Fall 2023 & Spring 2024)
Jan Kubanek (Spring & Summer 2024)
Alan Kuntz (Fall 2023 & Spring 2024)
Lars Laurentius (Fall 2023 & Summer 2024)
Kam Leang (Spring 2024)
Juan Medina (Fall 2023)
Rajesh Menon (Fall 2023 & Spring 2024)
Bobby Mohanty (Spring 2024)
Swomitra Mohanty (Fall 2023)
Ken Monson (Fall 2023 & Spring 2024)
Pania Newell (Fall 2023 & Spring 2024)
Alex Novoselov (Fall 2023 & Spring 2024)
Pavel Panchekha (Fall 2023 & Spring 2024)
Chris Pantelides (Fall 2023)
Eric Pardyjak (Spring 2024)
Kay Park (Summer 2024)
Marc Porter (Summer 2024)
Shad Roundy (Fall 2023 & Spring 2024)
Tony Saad (Fall 2023 Spring 2024)
Mike Scarpulla (Fall 2023)
Samira Shiri (Spring 2024)
Taylor Sparks (Summer 2024)
Vivek Srikumar (Spring 2024)
Blair Sullivan (Summer 2024)
Chen Wang (Fall 2023 & Spring 2024)
Pai Wang (Fall 2023, Spring 2024, Summer 2024)
Yunshan Wang (Spring 2024)
Roseanne Warren (Fall 2023 & Spring 2024)
Jeff Weiss (Spring 2024)
Elaine Wiese (Fall 2023)
Heayoung Yoon (Summer 2024)
Thomas Zangle (Fall 2023 & Spring 2024)
Peter Zhu (Spring 2024)

Business (1)
Glen Kreiner (Spring 2024)

Cultural & Social Transformation (6)
Ana Carolina Antunes (Spring 2024)
Elizabeth Archuleta (Spring 2024)
Lezlie Frye (Spring 2024)
Annie Fukushima (Summer 2023)
Claudia Geist (Summer & Fall 2023, Spring 2024)
Ed Munoz (Spring 2024)

Dentistry (2)
Annette Fleckenstein (Fall 2023)
Melodie Weller (Spring & Fall 2023)

Education (5)
Frankie Laanan (Fall 2023)
Chenglu Li (Summer 2024)
Lauren Liang (Spring 2024)
Claire Son (Spring 2024)
Karen Tao (Spring 2024)

Engineering (59)
Claire Acevedo (Fall 2023)
Jeffrey Bates (Fall 2023 & Spring 2024)
Edoardo Battaglia (Spring 2024)
Dmitry Bedrov (Fall 2023 & Spring 2024)
Simon Binder (Fall 2023 & Spring 2024)
Daniel Brown (Spring 2024)
Tony Butterfield (Fall 2023)

Fine Arts (13)
Elizabeth Craft (Fall 2023)
Jonathan Dillon (Spring 2024)
Ernest Gentry (Spring 2024)
Alexandra Harbold (Summer 2023 & Spring 2024)
Molly Heller (Fall 2023)
Beth Krenskey (Summer 2024)
Meekyung MacMurdie (Summer 2024)
John O’Erickson (Fall 2023)
Maureen O’Hara Ure (Fall 2023 & Spring 2024)
Hubbel Palmer (Summer 2023 & Spring 2024)
Jessica Rudman (Summer 2024)
Brian Snapp (Summer 2023)
Moses Williams (Fall 2023 & Spring 2024)
Appendix B: UROP Faculty Mentors - Continued

**Health (13)**
- Sihem Boudina (Summer 2024)
- Amandine Chaix (Fall 2023, Spring 2024, & Summer 2024)
- Jesse Christensen (Spring 2024)
- Adriana Coletta (Summer 2024)
- Christopher Depner (Fall 2023)
- Peter Fino (Summer 2023)
- Katsu Funai (Spring & Summer 2024)
- Tanya Halliday (Spring 2024)
- Will Holland (Spring 2024)
- Mary Playdon (Spring 2024)
- Anandh Babu Pon Velayutham (Summer 2023)
- Ankur Shah (Summer 2024)
- J. David Symons (Summer 2024)

**Honors College (1)**
- Melissa Watt (Spring 2024)

**Humanities (18)**
- Maile Arvin (Fall 2023 & Spring 2024)
- Dave Bresnahan (Summer 2023)
- Alexis Christensen (Summer & Fall 2023)
- Beth Clement (Summer & Fall 2023, Summer 2024)
- Ben Cohen (Summer 2024)
- Therese De Raedt (Summer 2024)
- Aniello De Santo (Fall 2023)
- Disa Gambera (Spring 2024)
- Mira Green (Summer & Fall 2023)
- Matthew Firpo (Summer & Fall 2023)
- Bruce Edgar (Fall 2023 & Spring 2024)
- Justin English (Summer & Fall 2023)
- Matthew Firpo (Summer 2024)
- David Grunwald (Summer 2023 & 2024)
- Heath Henninger (Summer & Fall 2023)
- Guillaume Hoareau (Fall 2023)
- Sheri Holmen (Fall 2023 & Spring 2024)
- Harriet Hopf (Spring 2024 & Summer 2024)
- Siwen Hu-Lieskovan (Fall 2023)
- Kylie Jacobs (Fall 2023)
- Lisa Joss-Moore (Fall 2023 & Summer 2024)
- Robert Judson-Torres (Fall 2023 & Spring 2024)
- Panagiotis Kassavetis (Summer 2023 & Spring 2024)
- Jace King (Spring 2024)
- Conan Kinsey (Fall 2023 & Spring 2024)
- Kai Kuck (Fall 2023 & Spring 2024)
- Kent Lai (Summer 2024)
- Tracey Lamb (Summer 2023 & Fall 2023)
- Amy Lenz (Fall 2023, Spring 2024, & Summer 2024)
- Daniel Leung (Summer 2023)
- Yang Liu (Fall 2023 & Spring 2024)
- Douglas Mackay (Summer & Fall 2023)
- Mark Mahan (Fall 2023 & Spring 2024)
- Martin McMahon (Spring 2024)
- Joe Palatinus (Fall 2023)
- Sungjin Park (Spring 2024)
- Natasha Pavlova (Fall 2023)
- Nicole Pershing (Fall 2023)
- Stephan Pulst (Fall 2023)
- Nirupama Ramakumar (Fall 2023)
- Viola Rieke (Spring 2024)
- John Rose (Fall 2023)
- Adrian Rothenfluh (Summer 2024)
- June Round (Fall 2023 & Spring 2024)
- Mary Beth Scholand (Spring 2024)
- Oleksandr Shcheglovitov (Summer 2024)
- Sixiang Shi (Spring 2024)
- Yan-Ting Shiu (Summer & Fall 2023, Spring & Summer 2024)
- Elliot Smith (Spring 2024)
- Eric Snyder (Fall 2023)
- Martin Tristani-Firouzi (Fall 2023)
- Eric Tuday (Summer 2024)
- Kajsa Vlasic (Summer 2024)
- Michelle Vo (Fall 2023 & Spring 2024)
- Katharine Walter (Fall 2023 & Spring 2024)
- Taylor Webb (Spring 2024)
- Dustin Williams (Summer & Fall 2023, Summer 2024)
- Megan Williams (Fall 2023)
- Brandi Wynne (Summer 2023)
- Moriel Zelikowsky (Summer & Fall 2023, Spring & Summer 2024)
- Peng Zhang (Fall 2023)

**Law (1)**
- Jorge Contreras (Spring 2024)

**Medicine (61)**
- Alessandra Angelucci (Fall 2023)
- Mandy Bunsawat (Fall 2023 & Spring 2024)
- Robert Campbell (Fall 2023)
- Dipayan Chaudhuri (Summer 2023)
- Susanna Cohen (Spring 2024)
- Melissa Cortez (Fall 2023, Spring 2024, Summer 2024)
- Donna Cross (Fall 2023 & Spring 2024)
- Rebecca Delaney (Spring 2024)
- Stavros Drakos (Spring 2024)
- Gregory Ducker (Summer 2023 & Spring 2024)
- Bruce Edgar (Fall 2023 & Spring 2024)
- Justin English (Summer & Fall 2023)
- Matthew Firpo (Summer 2024)
- David Grunwald (Summer 2023 & 2024)
- Heath Henninger (Summer & Fall 2023)
- Guillaume Hoareau (Fall 2023)
- Sheri Holmen (Fall 2023 & Spring 2024)
- Harriet Hopf (Spring 2024 & Summer 2024)
- Siwen Hu-Lieskovan (Fall 2023)
- Kylie Jacobs (Fall 2023)
- Lisa Joss-Moore (Fall 2023 & Summer 2024)
- Robert Judson-Torres (Fall 2023 & Spring 2024)
- Panagiotis Kassavetis (Summer 2023 & Spring 2024)
- Jace King (Spring 2024)
- Conan Kinsey (Fall 2023 & Spring 2024)
- Kai Kuck (Fall 2023 & Spring 2024)
- Kent Lai (Summer 2024)
- Tracey Lamb (Summer 2023 & Fall 2023)
- Amy Lenz (Fall 2023, Spring 2024, & Summer 2024)
- Daniel Leung (Summer 2023)
- Yang Liu (Fall 2023 & Spring 2024)
- Douglas Mackay (Summer & Fall 2023)
- Mark Mahan (Fall 2023 & Spring 2024)
- Martin McMahon (Spring 2024)
- Joe Palatinus (Fall 2023)
- Sungjin Park (Spring 2024)
- Natasha Pavlova (Fall 2023)
- Nicole Pershing (Fall 2023)
- Stephan Pulst (Fall 2023)
- Nirupama Ramakumar (Fall 2023)
- Viola Rieke (Spring 2024)
- John Rose (Fall 2023)
- Adrian Rothenfluh (Summer 2024)
- June Round (Fall 2023 & Spring 2024)
- Mary Beth Scholand (Spring 2024)
- Oleksandr Shcheglovitov (Summer 2024)
- Sixiang Shi (Spring 2024)
- Yan-Ting Shiu (Summer & Fall 2023, Spring & Summer 2024)
- Elliot Smith (Spring 2024)
- Eric Snyder (Fall 2023)
- Martin Tristani-Firouzi (Fall 2023)
- Eric Tuday (Summer 2024)
- Kajsa Vlasic (Summer 2024)
- Michelle Vo (Fall 2023 & Spring 2024)
- Katharine Walter (Fall 2023 & Spring 2024)
- Taylor Webb (Spring 2024)
- Dustin Williams (Summer & Fall 2023, Summer 2024)
- Megan Williams (Fall 2023)
- Brandi Wynne (Summer 2023)
- Moriel Zelikowsky (Summer & Fall 2023, Spring & Summer 2024)
- Peng Zhang (Fall 2023)

**Mines & Earth Sciences (10)**
- Leif Anderson (Summer & Fall 2023)
- Randall Irmis (Fall 2023 & Spring 2024)
- Jim Karner (Fall 2023)
- Sarah Lambart (Spring 2024)
- Pete Lippert (Spring 2024)
- Swomitra Mohanty (Fall 2023)
- Kathleen Ritterbush (Summer 2023)
- Michael Simpson (Fall 2023)
- Court Strong (Fall 2023 & Spring 2024)
- Tonie van Dam (Fall 2023)
Appendix B: UROP Faculty Mentors - Continued

**Nursing (3)**
Lauri Linder (Summer & Fall 2023)
Rebekah Perkins (Summer & Fall 2023, Summer 2024)
Lisa Taylor-Swanson (Summer 2024)
Ekta Patel (Summer 2024)
Nitin Phadnis (Summer 2023)
Aaron Puri (Summer & Fall 2023, Spring 2024)
Thomas Richmond (Fall 2023)
Andrew Roberts (Summer & Fall 2023, Spring 2024)
Gary Rose (Spring 2024)
Cagan H Sekercioglu (Fall 2023 & Summer 2024)
Mikhael Semaan (Summer 2024)
Michael Shapiro (Fall 2023)
Joshua Steffen (Summer & Fall 2023)
Ryan Stolley (Spring 2024)
Tim Tribone (Summer 2024)
Michael Vershinin (Spring 2024)
Luisa Whittaker-Brooks (Fall 2023 & Spring 2024)
Ayako Yamaguchi (Spring 2024)
Chen Yu Yoo (Fall 2023 & Spring 2024)
Heejin Yoo (Summer & Fall 2023, Spring 2024)
Theresa Martinez (Spring 2024)
Amy McDonnell (Spring & Summer 2024)
Kara Moore (Summer 2024)
Francisco Perez (Summer 2024)
Mitchell Power (Fall 2023 & Spring 2024)
Lee Raby (Summer & Fall 2023, Spring 2024)
Kristina Rand (Fall 2023)
Sonia Salari (Fall 2023)
Carol Sansone (Fall 2023 & Spring 2024)
Jenn Shah (Spring 2024)
Jack Silcox (Spring 2024)
Sarah Small (Summer 2023, Spring & Summer 2024)
Jennifer Watt (Fall 2023 & Spring 2024)
Tim Webster (Summer & Fall 2023, Spring 2024)
Paul White (Spring 2024)

**Pharmacy (6)**
Katharine Diehl (Spring 2024)
Raphael Franzini (Spring 2024)
Mei Yee Koh (Summer 2023 & 2024)
Jindrich Kopecek (Spring 2024)
Henry Kopeček (Fall 2023)
Karen Wilcox (Summer 2024)

**Science (41)**
Fred Adler (Spring 2024)
John Belz (Spring & Summer 2024)
Connor Bischak (Fall 2023 & Spring 2024)
Ben Bromley (Fall 2023, Spring 2024, & Summer 2024)
Bethany Buck-Koehntop (Fall 2023 & Spring 2024)
Sarah Bush (Summer 2023)
Sophie Caron (Fall 2023 & Spring 2024)
Fabienne Chevance (Summer 2023 & 2024)
Dale Clayton (Spring 2024)
Kasey Cole (Spring & Summer 2024)
Kyle Dawson (Spring 2024)
Vikram Deshpande (Spring 2024)
Colleen Farmer (Summer 2024)
Gina Frey (Summer 2024)
Jamie Gagnon (Fall 2023 & Spring 2024)
Austin Green (Spring 2024)
Julie Hollien (Fall 2023)
Martin Horvath (Summer 2023, Spring & Summer 2024)
Erik Jorgensen (Fall 2023)
Talia Karasov (Fall 2023 & Spring 2024)
Jack Longino (Summer 2024)
Yao-Yuan Mao (Fall 2023)
Shelley Minteer (Summer & Fall 2023)
Eric Montoya (Summer & Fall 2023, Spring 2024)

**Social & Behavioral Sciences (34)**
Katie Baucom (Fall 2023 & Spring 2024)
Adrian Bell (Summer 2023)
Tabitha Benney (Fall 2023)
Cynthia Berg (Fall 2023 & Spring 2024)
Andrea Brunelle (Fall 2023 & Spring 2024)
Adrienne Cachelin (Fall 2023)
Jackie Chen (Summer 2023)
Larry Coats (Fall 2023 & Spring 2024)
Tim Collins (Summer 2024)
Sarah Creem-Regehr (Spring 2024)
James Curry (Spring & Summer 2024)
David De Micheli (Fall 2023)
Claudia Geist (Fall 2023)
Alex Greenwald (Fall 2023)
Cory Inman (Spring 2024)
Akiko Kamimura (Summer 2023, Spring & Summer 2024)
Kim Korinek (Fall 2023)
Tom Kraft (Summer 2024)
Rob Lubeznik-Warner (Fall 2023 & Spring 2024)
Appendix B: UROP Graduate Student Mentors
(Summer 2023-Summer 2024)

**Engineering (2)**
Monika Buczak (Fall 2023)
Connor Olsen (Fall 2023)

**Medicine (3)**
Jordan Grammer (Spring & Summer 2024)
Nicole Losurdo (Fall 2023)
Nicole Pershing (Summer 2023)

**Science (1)**
Maggie Doolin (Summer & Fall 2023)

**Social & Behavioral Sciences (3)**
Stella Mosher (Fall 2023 & Spring 2024)
Rob Warner (Summer 2023)
Stefania Wilks (Spring 2024)
Appendix C: SPUR Scholars (Summer 2023 & Summer 2024)

Architecture + Planning
2023 (1)
Wynnton Jarvinen

2024 (1)
Yiwen Chen

Cultural & Social Transformation
2023 (1)
Aaliyah Henderson

2024 (1)
Marylinda Gonzalez

Dentistry
2024 (1)
Weston Hall

Education
2023 (2)
Jordan Giron
Abigail McWhirte

2024 (2)
Gwendolyn Douglas
Hailey Sherman

Engineering
2023 (5)
Siddharth Dhumal
Joseph Gilsoul
Manya Murali
Zachary Olson
Abigail Stringfellow

2024 (7)
Jack Doughty
Kayden Jenkins
Youngeon Lee
Vivian Marcoux
Luke Schreiber
Varun Sharma
Amir Zarandi

Fine Arts
2024 (1)
Sarah Benedict

Health
2023 (7)
Owen Benzley
Fernanda Guzman
Taylor James
Yulisa Padilla-Fragosso
Riley Page
Paulina Vargas
Megan Weaver

2024 (5)
Elizabeth Bowman
Abbie Brandt
Aaliyah Henderson
Francisca Moreira
Ryder Robins

Humanities
2023 (3)
Callie Avondet
Christen Daniel
Abril Vale-Luzardo

2024 (1)
Asuna Dai

Medicine
2023 (16)
Laila Batar
Porter Bischoff
Meghan Carter
Ariyanna Clark-Drew
Andrew Clothier
Ashley Cluff
Ryan De Los Santos
Ryan Gardner
Tashianna Gray
Charles Hayward
Grace Makassa
Aryana Merritt-Johnson
Breanka Moore
Olivia Raines
Jonah Simmons
Naomi Thombs

2024 (12)
Joy Akindulureni
Kharisma Carmichael
Ciana Carr
Hayden Cheney
JaMarah Davis
Chandler Harris
Summer Jones
Gabriel LaBrin
Joshua Sokeye
Divya Sundar
Asia Thompson
Abigail Wilson

Mines & Earth Sciences
2023 (1)
Marcus Tanner

2024 (1)
Andrew Siciliano

Nursing
2023 (1)
Irene Liang

2024 (2)
Margaret Dalseth
Megan Rose

Pharmacy
2023 (1)
Jane Staples

2024 (1)
Evan Nayee

Science
2023 (4)
Mason Burden
Emily Dalley
Hailey Hollins
Rebecca MacGillvray

2024 (4)
Zachary Coons
Mateo Joya Ayala
Gabriella Karakcheyeva
Noah Lape
Appendix C: SPUR Scholars - Continued

Social & Behavioral Sciences
2023 (11)
Cindy Diaz Rey
Jacqueline Gomez
Mauro Gonzalez
Eunseo Han
Anna Hsu
Michael Joyfull Komigi
Lillian MacKinney
Maiko Okamura

2024 (13)
Sarah Cao
Jessica Cisneros-Macias
Meikayah Hall
Natalia Lopez
Isabella Marquez
Idah Mbithi
Justin Plascencia-Maciel
Valeria Rico
Bibiana Rodriguez Vega

Melisa Sierra
Mari Tanako Okubo
Vincent Vispo
Jeb Wu

Social Work
2024 (1)
Lydia Altamiranda

Appendix D: SPUR Faculty Mentors (Summer 2023 & Summer 2024)

Architecture + Planning
2023 (1)
Divya Chandrasekhar

2024 (1)
Andy Hong

Cultural & Social Transformation
2023 (1)
Andrea Baldwin

2024 (1)
Ed Munoz

Dentistry
2024 (1)
Melodie Weller

Education
2023 (1)
Lauren Barth-Cohen

2024 (2)
Claire Son
Lynne Zummo

Engineering
2023 (5)
Jacob George
Alex Novoselov
Sameer Patil
Roseanne Warren
Haohan Zhang

2024 (5)
Jake George
Alexander Lex
Rajesh Menon
Alex Novoselvo
Jennifer Weidhaas

Humanities
2023 (3)
Jennifer Andrus
Maile Arvin
Crystal Lumpkins

2024 (1)
Anne Jamison

Fine Arts
2024 (1)
Lien Fan Shen

Health
2023 (5)
Genevieve Albouy
Rajeshwary Ghosh
Rhonda Nelson
Jeff Rose
Kota Takahashi

2024 (4)
Danny Davis

Medicine
2023 (15)
Amanda Bakian
Kelly Baron
Mandy Bunsawat
Dipayan Chaudhuri
Julio Facelli
Mia Hashibe
Kylie Jacobs
Amy Lenz
Xiaodong Ma
April Mohanty
Kola Okuyemi
Brock O’Neil
George Vega Yon
Megan Williams
Zachary Wilson
Appendix D: SPUR Faculty Mentors - Continued

**Medicine - Continued**

**2024 (11)**
- Kelly Baron
- Mandy Bunsawat
- Tess DeAtley
- Ram Grouipeddi
- Adam Hughes
- Vincent Koppelmans
- Ursula Martinez
- Brock O’Neil
- Abby Pulsipher
- Valarie Vaughn
- Matt Wachowiak

**Minerals & Earth Sciences**

**2023 (1)**
- Leif Anderson

**2024 (1)**
- Chad Ostrander

**Nursing**

**2023 (1)**
- Djin Tay

**2024 (2)**
- Dijn Tay
- Lisa Taylor-Swanson

**Pharmacy**

**2023 (1)**
- Nitish Khurana

**2024 (1)**
- Nitish Khurana

**Science**

**2023 (4)**
- Connor Bischak
- Shanti Deemyad
- Regina Frey
- James Gagnon

**2024 (4)**
- Bill Anderegg
- Connor Bischak
- Shanti Deemyad
- Austin Green

**Social & Behavioral Sciences**

**2023 (8)**
- Tabitha Benney
- Juliet Carlisle
- David De Micheli
- Sara Grineski
- Cory Inman
- Brennan Payne
- Phillip Singer
- Rebecca Utz

**2024 (7)**
- Katie Baucom
- Tabitha Benney
- David Curtis
- Matt Fry
- Sara Grineski
- Brennan Payne
- Megan Reynolds

**Social Work**

**2024 (1)**
- Lindsay Genzinki
Endnotes

1 For more information visit: https://www.lifescied.org/doi/full/10.1187/cbe.19-11-0262

2 For more information, visit Chrome-extension://eaidnbmnnibpcajpcglclefindmkaj/https://www.
researchgate.net/profile/Evan-Bradley-3/publication/317017780_The_structure_of_mentoring_in_-
undergraduate_research_Multi-mentor_models/links/591f3c150f7e9b99793c4ce7/The-structure-of-
mentoring-in-undergraduate-research-Multi-mentor-models.pdf


4 For more information, visit: https://www.jstor.org/stable/10.2979/teachlearningqu.1.2.105?casa_
token=nVhb4V4GxREAAAAA:OesvB5-9hMQidc_JauT_L1E9Lqs442pb_PBJIP9oLETwH64maNM3FE0
ejbploRqhnmVyt2EQUwBRhszgnzFV-2p6PTA1Jd0Qo545aT2hAwg77CaZJ-3Jh
NOTE

Data captured in this report reflects programs and activities between 2015 and 2024, with particular emphasis on the 2023 to 2024 academic year. Questions? Contact Dr. Annie Isabel Fukushima at our@utah.edu or visit our.utah.edu.