From admission to graduation, the units of 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.
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Message from Associate Dean Annie Isabel Fukushima

If there is one way to summarize this past year of undergraduate research activities and programming at the University of Utah, it is that undergraduate research at the U is contributing to the role of higher education as a public good. Student projects contributed to addressing social inequities, resolving to solve medical problems, engaging with the science of environmental issues to those beyond this planet, to even, participating in studies that are providing engineering solutions from biological to the technological and mechanical. The research our students are contributing to as part of research teams of a couple to many, are truly exciting, innovating for our future, and solving major societal problems. Not only does undergraduate research enhance the role of the university to publics, but it also furthers our institutional mission to fostering an exceptional educational experience. As an R1 institution, the U is uniquely positioned to facilitate research opportunities with award-winning faculty and researchers. As our students graduate, they become ambassadors of the university.

A special thanks to our donors and supporters: the Office of the Vice President for Research, the Dee Foundation, the Francis Family Fund, Parent Fund, the Monson family, Roger Leland Goudie Trust, individual donors who gave during Giving Day, and the faculty, staff and students who participate in OUR’s programs and activities.

It is truly inspiring to look back on our history, where we began as a program in 1987, and have since grown into a robust office that is supporting the research enterprise at the U. This annual report provides a narrative of the programs and activities from 2022 – 2023.

Annie Isabel Fukushima, Ph.D.
Associate Dean, Undergraduate Studies
Director, Office of Undergraduate Research

OUR Mission

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 through equitable programming, diverse representation, and social justice.

OUR Team

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annie Isabel Fukushima</td>
<td>Associate Dean, Undergraduate Studies</td>
</tr>
<tr>
<td>Cindy Greaves</td>
<td>Associate Director</td>
</tr>
<tr>
<td>Angie Leiva</td>
<td>Academic Program Manager</td>
</tr>
<tr>
<td>Shelly Parker</td>
<td>Program Manager</td>
</tr>
<tr>
<td>Jude Ruelas</td>
<td>Outreach Coordinator</td>
</tr>
</tbody>
</table>
Data in Brief 2022-2023

611
Students Funded
1,023 students applications for UROP, SPUR, Scholarships, Travel & Small Grants

159
Students Recognized through the OUR Awards and URSD
16 mentors recognized

1,260
Student Presenters in URS, ROCH, UCUR, NCUR & Sponsored Symposia

223
Students Published in RANGE: Undergraduate Research Journal

4,367
Education Series Attendees

428
Students received Research Advising from Peer-Mentors & Staff Connections

423
Research Mentors Faculty and Graduate Students

4,847
People reached In-person

178,857
People outreach on Social Media

190,527
Visitors to the OUR Website

OUR Annual Report 2022-2023
OUR 2023-2024 Goals

Data-Informed Decisions

- During the 2022 – 2023 academic year, OUR worked with data and analytics to interpret and understand populations supported by OUR and interacting with program activities. For 2023 – 2024, OUR has initiated Institutional Review Board processes, and will implement a campus-wide research evaluation of undergraduate research at the University of Utah.

Grow Research Inclusion

- OUR will grow diversity in early access to undergraduate research opportunities at the University of Utah through the launch of the Early Exploration Scholars Program in Fall 2023. This program will foster earlier interest in research for students in the first 60 credits of their academics.
- OUR will continue to apply for research funding to diversify how undergraduate students are supported through external grants and donations.

Strengthen Mentoring Partnerships & Collaboration

- OUR will grow the number of grants and increase partnership support for external grants.
- OUR will create an undergraduate research advisory council.
OBJECTIVE 01
Enhancing the Teaching, Learning, Research, and Innovation Environments

Grants & 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 2022-2023 academic year, OUR funded 611 undergraduate researchers at the University of Utah.

Recognition of Undergraduate Research Excellence

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

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. 140 students earned an Undergraduate Research Scholar Designation in their transcript.

Peer Mentoring and Staff Support

- Funding Fridays
- IRB Lab
- Research Advising Appointments

OUR provides research advising to students at all stages of their research journey with 428 students receiving peer and staff research advising.
Support Faculty & Student Collaborations

- Summer Program Partnerships
- OUR Program Partners
- Faculty Affiliates

Central to OUR activities and programming: supporting faculty and student partnerships.

Research Education

- Undergraduate Research Education Series (URES)

The learning environment is further enhanced with educational opportunities through the Undergraduate Research Education Series where 4,367 students attended the OUR education series (2022 – 2023).

Dissemination of Knowledge Through Publication & Presentations

- 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 2022—in-person; Fall 2022—virtual; Spring 2023—virtual) and collaborates with the U’s Government & Relations office and Utah State University to host Research Day on Capitol Hill. OUR also organized the statewide Utah Conference on Undergraduate Research (UCUR) and supported students with presentations at the National Conference on Undergraduate Research (NCUR). This year 1,260 students were supported with presenting their research and 223 entries were published in the RANGE: Undergraduate Research Journal including abstracts, articles, and research reflections.
Grants & Awards

Between 2022 and 2023, the Office of Undergraduate Research awarded 611 awards and scholarships to student researchers with Undergraduate Research Opportunity Program (UROP), Summer Program for Undergraduate Research (SPUR), travel and small grants, and scholarships.

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 research, research on global issues, research on equity and diversity, and research in environmental studies.
Undergraduate Research Opportunity Program (UROP)

Undergraduate Research Opportunity Programs have a long history in the US, with the first UROP established at the Massachusetts Institute of Technology (MIT) in 1969\(^1\). A model program, UROPs may be found across the US including at the University of Utah which was established in 1987. UROP student researchers work with faculty mentors, where 16 colleges participate in mentoring scholars. In 2022-2023, 500 UROP scholars received a $1,200 stipend for their research experience. UROP scholars experienced programming wrapped around them that included OUR’s education series (workshops and educational content) and opportunities to present their findings. UROP scholars successfully met OUR learning objectives by working collaboratively, identifying appropriate methodologies, utilizing previous research, effectively presenting research, articulating research questions, meeting disciplinary standards for responsible research and reflecting on research. We are proud to share the positive outcomes of UROP scholars. For 2022 – 2023, OUR grew the number of UROP scholars awarded by 3.5%.

500 UROP SCHOLARS

583 UROP applicants

“I think participating in undergraduate research has given me the chance to hone my writing skills, learn more about data analysis techniques, and revealed that no matter how outlined your timeline may be going into a project, it is natural to have other things come up in life—and with the project itself—that could slow things down, or even speed things up. After having almost completed a semester of UROP, I have been confirmed in my interest in education, medicine, and being an advocate for diversity, equity and inclusion in my future occupation.”

- UROP Scholar, Senior Health, Society and Policy

“My research experience has given me firsthand experience in the field I’ve been pursuing during my undergrad so far, which has only emboldened my decision to continue working towards it since I know how much I enjoy it now. I’ve gotten to learn things that I wouldn’t have thought to seek out otherwise, and delved into topics that I hadn’t considered before. Experiencing the thrill of working towards potentially discovering something new about the universe has been a joy like no other, and I’ll do it for as long as I can.”

- UROP Scholar, Junior Physics, Geoscience

“Overall, I feel significantly more confident in my general organizational abilities. My goal of pursuing research which carves out space for disabled game developers and smooths out the transition from student to industry professional has never felt more concrete. My experience with UROP has bridged a gap I have worried about since I began my undergraduate career: the gap between conceptualizing and realizing dreams.”

- UROP Scholar, Senior Games

\(^1\) For more information, visit http://www.cur.org/assets/1/7/CURQOTWV331.pdf
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:

- **94%** Work collaboratively and effectively communicate with other researchers
- **98%** Identify appropriate methodologies
- **98%** Identify & utilize previous research
- **85%** Effectively present research
- **97%** Articulate a research question or creative objective
- **97%** Meet the field’s standard for responsible conduct in research
- **97%** 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:

- **98%** Work collaboratively and effectively communicate with other researchers
- **98%** Identify appropriate methodologies
- **98%** Identify & utilize previous research
- **82%** Effectively present research
- **98%** Articulate a research question or creative objective
- **98%** Meet the field’s standard for responsible conduct in research
- **96%** Reflect on research and make future plans based on their experiences

83 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 into full-time summer experiences with a faculty mentor. Students come from 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 Programs, OUR collaborates with campus partners.

Summer undergraduate research experiences are shown to have a positive impact on student identity in academics and positive outcomes for retention and persistence toward graduation. Additionally, summer undergraduate research experience sustains or confirms postgraduation decisions to go to graduate school, supporting a pipeline of undergraduate to graduate school.

13 Summer Program Partners
196 Students
161 Faculty

- The Beckman Scholars Program
- Chemistry Research Experience for Undergraduates (REU)
- Genomics Summer Research for Minorities (GSRM) Internship
- 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 Program for Undergraduate Research (SPUR)
- Summer Undergraduate Research Internship in Pharmaceutics and Drug Delivery

“My experience in the SPUR program has felt very well-rounded and has taught me a lot about how to conduct research and how to relay my findings to peers and professionals inside and outside of my field of study in an effective manner. I enjoyed learning from different speakers in the URES sessions and felt that it broadened my perspectives on various topics throughout the summer. I also enjoyed getting to know the other SPUR students and learn about the wide variety of research projects they were participating in. My goals in the future are to attend medical school and become a physician practicing both patient care and conducting research. This program has not only allowed me to enhance my skills in a laboratory setting, but also helped me grow into a more effective communicator, team-player, and presenter.”

– SPUR Scholar, Biochemistry

38 SPUR SCHOLARS
330 SPUR applicants

### SPUR: Excelling in Learning Achievement

OUR’s SPUR 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:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Skill Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>94%</td>
<td>Identify appropriate methodologies</td>
</tr>
<tr>
<td>100%</td>
<td>Identify &amp; utilize previous research</td>
</tr>
<tr>
<td>94%</td>
<td>Effectively present research</td>
</tr>
<tr>
<td>89%</td>
<td>Work collaboratively and effectively communicate with other researchers</td>
</tr>
<tr>
<td>92%</td>
<td>Articulate a research question or creative objective</td>
</tr>
<tr>
<td>97%</td>
<td>Meet the field’s standard for responsible conduct in research</td>
</tr>
<tr>
<td>94%</td>
<td>Reflect on research and make future plans based on their experiences</td>
</tr>
</tbody>
</table>

89% of SPUR MENTORS AGREE because of the research experiences, their mentees 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
- Make future plans because of this experience

37% of Mentors completed the Closing Report. Total of 38 SPUR Mentors 2022.

Likert Scale self-reporting: Strongly Disagree to Strongly Agree
Travel & Small Grants

OUR recognizes that essential to supporting undergraduate research is providing students with opportunities to travel to research sites, present at national or international conferences, and have resources to assist with research costs. Defraying the costs associated with research networking and research itself, is a central way to break inequities in research. Every month OUR reviews student applications for travel and small grants. In collaboration with student evaluators (the Undergraduate Research Leaders), OUR funds students for travel and small grants of $500. Travel & Small grants was supported by the Ivory Foundation. OUR grew the number of travel and small grants awarded for 2022 – 2023 by 8%.

“**This experience felt like the kickstart I needed to continue my degree and feel hopeful for my professional future. I suffer from severe imposter syndrome and anxiety, and I was incredibly nervous about attending a research conference for the first time, let alone presenting my own work. However, I gained confidence in myself after my presentation, and I will never forget the encouragement and praise I received from professionals and my mentor. I feel confident continuing my research and working on my honors thesis, and it was the motivation I needed! I found myself even more fascinated with mining and metallurgical engineering, specifically. I am now strongly considering pursuing my doctorate in metallurgical engineering instead of material science.”**

– OUR Travel Grant Recipient, Chemistry

“My undergraduate research experience has been nothing short of great. I never really planned on doing research, but now since I have been given the opportunity to do so, it has changed so much for me. I now can see continuing in research as a career path. It has helped me grow my lab skills, my public speaking skills, and now even made me a more well versed traveler.”

– OUR Travel Grant Recipient, Environmental & Sustainability Studies

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

OUR is successful because of the donors supporting our scholarships. For the 2022-2023 year, OUR awarded 21 students scholarships. Undergraduate Studies OUR is supported through a variety of state and private funds. Donors include the Lawrence T. Dee and Janet T. Dee Foundation, Francis Family Foundation, and the Parent Fund. The Monson Family Fund supports the Monson Essay Prize. OUR recognized our generous donors and supporters during the Outstanding Undergraduate Research Award Ceremony on April 3, 2023.

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.

- Kailee Ferret (Mentor: Leslie Francis, Law)
- McKenna Hunt (Mentor: Sudha Jayaraman, Medicine)
- Callie Avondet (Mentor: Sara Grineski, Social & Behavioral Sciences)
- Aidyn Eldredge (Mentor: Timothy Webster, Social & Behavioral Sciences)
- Hailey Hollins (Mentor: James Gagnon, Science)
- Raina Miller (Mentor: Moriel Zelikowsky, Neurobiology)
- Kimberly Ponce Gonzalez (Mentor: Katherine Supiano, Nursing)
- Hunter Carlson (Mentor: Jesse Christensen, Health)

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.

- Ava Peitz (Mentor: Ming Hammond, Science)
- Kayleigh Kirkpatrick (Mentor: Kaedan O’Brien, Social & Behavioral Sciences)
- Sabrina Su (Mentor: Jay Kim, Engineering)
- Tessa Petersell (Mentor: Peter Fino, Health)
- Erin Garzella (Mentor: Tracey Lamb, Medicine)
- Derrick Wong (Mentor: Yong Kong, Engineering)
- Nathanael Hooper (Mentor: Dustin Williams, Medicine)
- Mckenzie Fleming (Mentor: Aaron Fischer, Education)
**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.

- **Sonia Osuna** (Mentor: Peter West, Pharmacy)
- **Sophie Stephens** (Mentor: Sihem Boudina, Health)
- **D. Christian Furness** (Mentor: John Longino, Science)
- **Adriana Payan-Medina** (Mentor: Ramkiran Gouripeddi, Medicine)

**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 (the application includes submission of an original piece of work that is 5-20 pages in length).

**2023 Monson Prize Awardee**

**Malea Bauer** (Mentor: Amos Guiora, School of Law)

SILENCE IS VIOLENCE: A NATIONAL LEGISLATIVE PROPOSAL FOR THE CRIMINALIZATION OF THE ENABLER TO INSTITUTIONAL ABUSE

“For centuries, institutions have exploited their power to abuse the vulnerable and avoid culpability. In many cases, the abuse would not have been possible if not for the institutional underpinnings which protect the perpetrators. These people, who initiate cover ups or turn a blind eye, ought to be considered enablers. Enablers are as endemic a problem as perpetrators. This thesis advocates for establishing a federal duty to protect between members of institutions and the victims of institutional abuse. The proposed legislation defines an institutional duty to protect and criminalizes the actions or inactions of enablers that can be directly linked to continued abuse of the victims.”

- Malea Bauer, Monson Prize Awardee 2023
Recognition

Outstanding Undergraduate Researcher and Research Mentor Awards

Every year, the OUR Awards Ceremony recognizes undergraduate student researchers in partnerships with the university colleges across campus. For the 2023 awards ceremony held on April 3, OUR inaugurated the Outstanding Undergraduate Research Mentor Award. A total of 27 individuals received awards. The OUR Mentor Awards are presented to faculty mentors who embody excellence in mentoring undergraduate researchers. The Outstanding Undergraduate Research Awardee is awarded to student researchers who represent sustained engagement with research and contributions to a positive research culture. Awardees are selected by their college leadership and committees, with the awards provided by OUR. Faculty and student recognition is a central facet of fostering a positive research culture.

19 STUDENTS RECOGNIZED

16 COLLEGES & SCHOOLS

16 MENTORS RECOGNIZED
## 2023 Outstanding Undergraduate Researchers

<table>
<thead>
<tr>
<th>Name</th>
<th>Mentor</th>
<th>College</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charlotte Garris</td>
<td>(Mentor: Professor Keith Bartholomew)</td>
<td>College of Architecture &amp; Planning</td>
</tr>
<tr>
<td>Ryan McBride</td>
<td>(Mentor: Professor Vandana Ramachandran)</td>
<td>School of Business</td>
</tr>
<tr>
<td>Natalia Garrido</td>
<td>(Mentor: Professor Claudia Geist)</td>
<td>School for Cultural &amp; Social Transformation</td>
</tr>
<tr>
<td>Eliza Diggins</td>
<td>(Mentor: Professor Melodie Weller)</td>
<td>School of Dentistry</td>
</tr>
<tr>
<td>Tessa Cahoon</td>
<td>(Mentor: Professor Mary Burbank)</td>
<td>College of Education</td>
</tr>
<tr>
<td>Adriana Payan-Medina</td>
<td>(Mentors: Professor Julio C. Facelli, Professor Ramkiran Gouripeddi)</td>
<td>College of Engineering</td>
</tr>
<tr>
<td>Michael Alessandro Keyser</td>
<td>(Mentor: Professor Pierre-Emmanuel Gaillardon)</td>
<td>College of Engineering</td>
</tr>
<tr>
<td>Lauren Carn</td>
<td>(Mentor: Professor Lynn Deboeck)</td>
<td>College of Fine Arts</td>
</tr>
<tr>
<td>Elena Yee</td>
<td>(Mentor: Professor Micah Drummond)</td>
<td>College of Health</td>
</tr>
<tr>
<td>Katie Sanyal</td>
<td>(Mentor: Professor Michael Gills)</td>
<td>Honors College</td>
</tr>
<tr>
<td>Eliana Massey</td>
<td>(Mentor: Professor Matthew Basso)</td>
<td>College of Humanities</td>
</tr>
<tr>
<td>Samuel Hendry</td>
<td>(Mentor: Professor Matthew Mulvey)</td>
<td>School of Medicine</td>
</tr>
<tr>
<td>Nancy Sohlberg</td>
<td>(Mentor: Professor Gannet Hallar)</td>
<td>College of Mines &amp; Earth Sciences</td>
</tr>
<tr>
<td>Sydney Gilliland</td>
<td>(Mentor: Professor Lauri Linder)</td>
<td>College of Nursing</td>
</tr>
<tr>
<td>Oliver Hubbard</td>
<td>(Mentor: Professor Hamid Ghandehari)</td>
<td>College of Pharmacy</td>
</tr>
<tr>
<td>Alison Wang</td>
<td>(Mentor: Professor Caroline Saouma)</td>
<td>College of Science</td>
</tr>
<tr>
<td>Yexalen Barrera-Casas</td>
<td>(Mentor: Professor Michael Morse)</td>
<td>College of Science</td>
</tr>
<tr>
<td>Shaistah Din</td>
<td>(Mentor: Professor Marissa Deiner)</td>
<td>College of Social &amp; Behavioral Sciences</td>
</tr>
<tr>
<td>Camden Alexander</td>
<td>(Mentor: Sara Grineski)</td>
<td>College of Social &amp; Behavioral Sciences</td>
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## 2023 Outstanding Undergraduate Researcher Mentors

<table>
<thead>
<tr>
<th>Name</th>
<th>College</th>
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<tbody>
<tr>
<td>Sarah Hinners, Ph.D.</td>
<td>College of Architecture &amp; Planning</td>
</tr>
<tr>
<td>Vandana Ramachandran, Ph.D.</td>
<td>School of Business</td>
</tr>
<tr>
<td>Annie Isabel Fukushima, Ph.D.</td>
<td>School for Cultural &amp; Social Transformation</td>
</tr>
<tr>
<td>Melodie Weller, Ph.D.</td>
<td>School of Dentistry</td>
</tr>
<tr>
<td>Professor Mary D. Burbank</td>
<td>School of Education</td>
</tr>
<tr>
<td>Cynthia Furse, Ph.D.</td>
<td>College of Engineering</td>
</tr>
<tr>
<td>Professor Alexandra Harbold</td>
<td>College of Fine Arts</td>
</tr>
<tr>
<td>J. David Symons, Ph.D.</td>
<td>College of Health</td>
</tr>
<tr>
<td>Michael Gills, Ph.D.</td>
<td>Honors College</td>
</tr>
<tr>
<td>Rachel Hayes-Harb, Ph.D.</td>
<td>College of Humanities</td>
</tr>
<tr>
<td>Yan-Ting Shiu, Ph.D.</td>
<td>School of Medicine</td>
</tr>
<tr>
<td>Gannet Hallar, Ph.D.</td>
<td>College of Mines &amp; Earth Sciences</td>
</tr>
<tr>
<td>Lauri Linder, Ph.D.</td>
<td>College of Nursing</td>
</tr>
<tr>
<td>Amy M. Barrios, Ph.D.</td>
<td>College of Pharmacy</td>
</tr>
<tr>
<td>Ofer Rog, Ph.D.</td>
<td>College of Science</td>
</tr>
<tr>
<td>Sara Elizabeth Grineski, Ph.D.</td>
<td>College of Social &amp; Behavioral Sciences</td>
</tr>
</tbody>
</table>
Undergraduate Research Scholar Designation (URSD)

The Undergraduate Research Designation was created during Fall 2006 to recognize undergraduate researchers engaging in sustained research for two semesters or more. The designation appears in a student’s transcript. 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 at convocation and commencement ceremony and are recognized during the commencement. One hundred forty students earned an Undergraduate Research Scholar Designation during the 2022 – 2023 academic year.

Summer 2022
Habibo Abdi
Sam Bagge
Suhyun Hahn
Al Ingold
Simran Karim
Carrie Marsh
James McMahon
Azeem Mohammed
Tara Tazehabadi
Tessa Vu
Anahi Yerman

Fall 2022
Alexander Becraft
Britney Chen
Tony Chen
Piper Christian
Zach Eatough
Adam Ford
Loveleen Ghuman
SuYeon Gwak
Brian Hassard
Marin Macfarlane
Zach Mallender
Eshan Narasipura
Tara Olson
Cody Page
Katee Perez
Mary Smith
Matthew Snyder
Jada Kali P. Stelmach
Heba Sultan
Gary Urry
Breanna Wong
Caleb Woolston
Kathy Wright
Alexandra Yengich

Spring 2023
Ray Aljassimi
Rub Alraqibah
Kara Andersen
Ella Baker
Yexalen Barrera-Casas
Chloe Barry
Bennett Blake
Tessa Cahoon
Hunter Carlson
Liliek Casselman
Tiffany Chan
Joshua Chang
Claire Cruz
Jordan Davidson
Lexi DeFord
Sandra Del Rio Madrigal
Shane Denherder
Gabi Desjardins
Gareema Dhiman
Shaistah Din
Tiffany Do
Morrison Donovan
Bailey Doucette
Samantha Eddy
Aedyn Eldredge
Mary Fairbanks
Maddie Festin
Kenzie Fleming
Ximena Franco
Jordyn Gagon
Gauri Garg
Emil Geisler
Sydney Gilliland
Karah Hall
Amy Harvey
Josh Hillyard
Lindi Hopkins
McKenna Hunt
Nate Iverson
Jasmine Jacobo
Cameron Jensen
Anila Jonnavithula
Samuel Judd

Sahar Kanishka
Wona Kim
Scott King
Chloe Kraft
Peter Krauel
Marissa Larkin
Alyssa Lee
Palmer Lee-Mesa
Will Loxley
Kitsel Lusted
Steven Marz
Corinna McMurtrey
Melika Moeiniaziri
Jamie Nakano
Carter Niedert
Lauren Page
Ryan Park
Adriana Payan-Medina
Gary Perea
Shaylie Platten
Katya Podkovyroff Lewis
Kimberly Ponce Gonzalez
Nizhoni Porter
Shree Prakash
Annie Pugmire
Sarv Raafati
Luis Ramirez
Saul Rivera-Flores
Talon Roberts
Keaton Rosquist
Catherine Rousculp
Ana Rowe
Dana Schiwal
Emily Singer
Brock Smith
Jackie Smith
Karrah Spendlove
Sarbrina Su
Haley Tetzlaff
Payton Thomas
Ashley Thompson
Macey Tilk
Sarthak Tiwari
Kacey Tollefson
Melissa Tyszko
Minahil Usman
Mykie Valenzuela
Caton Weinberger
Marc Whiting
Emi Wickens
Derrick Wong
Elaine Wong
MacKenzie Woodrum
Elena Yee
Sierra Young
Central to OUR’s philosophy is a multi-mentor model of faculty, staff, and peer support. Mentoring is a central part of integrating students into the institution, and even, creates 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, and facilitating workshops and office hours to support their peers on abstracts, presentations, and research opportunities. Staff and peer mentors assist students with questions about applying for funds, or how to finding research opportunities.

Faculty & Student Collaborations

Faculty and graduate students support undergraduate research as research mentors. The OUR launched OUR faculty affiliates in 2022 as a way to recognize the many faculty mentors who support undergraduate students as research mentors across campus. As students participate in the research enterprise, their faculty mentors fulfill an important pedagogical role for student researchers, where much of the mentoring occurs outside of the classroom. 393 faculty were onboarded as faculty affiliates by 2023. Central to OUR’s role at the U is creating a centralized place for students to find opportunities with award-winning and nationally recognized faculty. The OUR launched in the fall of 2022 a database for students to “find an opportunity,” 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.


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/group presentations, facilitate workshops, and provide research advising as peer-mentors. Specialist roles serve specific functions.

Community-Based Research Specialist coordinated feedback from University Neighborhood Partners on content creation on the website, and in the spring of 2022, the OUR launched a new segment of its website on Community Engaged Research for growing undergraduate research in communities. OUR piloted in the fall of 2022 a new drop-in and peer-support called the IRB Lab. This lab was a success where students received peer support on IRB applications, in consultation with the Institutional Review Board. Additionally, the student leader serves as a reviewer of IRB applications. The Publications and Research Publics Specialist supported the office with moving the journal, Range: Undergraduate Research Journal, from a website to utilizing Pressbooks through the Utah Education Network, and serves as the student editor for the journal. In the fall of 2022, the OUR also launched Funding Fridays, which operates as a drop-in weekly time for students to receive support with their UROP, SPUR, and Travel & Small Grant applications. Diversity in STEM research is central to OUR; therefore, the STEM Research Specialist assisted OUR’s associate dean with grant applications and also facilitated workshops to support students in STEM with abstract writing for conference submission to the Utah Conference on Undergraduate Research and SPUR.

Undergraduate Research Leaders 2022 - 2023

- Joshua Chang, Community-Based Research Specialist (2022 – 2023)
- Mary Fairbanks, Social Media Specialist (Fall 2022)
- Gauri Garg, IRB & Clinical Research Specialist (Fall 2021 - Spring 2023)
- Eliana Massey, Publications & Research Publics Specialist (2022 – Current)
- Melika Moeinvaziri, Diversity in Research Specialist (2022 – 2023)
- Ava Peitz, IRB Specialist (Spring 2023 – Current)
- Sophie Stephens, Pre-Award Specialist (Fall 2022)
- Sarthak Tiwari, STEM Research (2022 – 2023)
- Emi Wickens, Research Evaluation (Spring 2022 – Spring 2023)
Research Education and Educational Outreach

Education Series

The Education Series is seminal for providing supplemental content beyond the classroom. Intended to offer content outside of the classroom, students learn about a range of topics that enhance their understanding of research, dissemination, and collaboration. The first Undergraduate Research Education Series was hosted in Fall 2014. During Fall 2022, the OUR launched a new education series section of the website in partnership with University Marketing & Communications (UMC) to ensure ongoing accessibility of content and searchability. A total of 4,367 individuals attended OUR’s education series during the 2022 – 2023 academic year (live and on-demand). This was an astounding 144% growth in attendees.

29 TOTAL SESSIONS

966 LIVE / IN-PERSON ATTENDEES

3,401 ON-DEMAND ATTENDEES

EDUCATION SERIES TRACKS

17 Research Basics & Skill Building

9 Social Justice & Ethics

14 Research Collaboration & Communication

6 Careers & Research

DATA VISUALIZATION & RESEARCH POSTERS

11.04.22
11AM - 12PM
Virtual Event

Learn about how to create images for various types of data, including data from humanities and massive projects, and how to effectively use them in research posters.

More info available at: https://our.utah.edu/

PUBLISHING YOUR RESEARCH IN JOURNALS

Kimberly Jaw
Garden, American Journal of Women Studies
Julie Martin
Director, 3D Lab, Salt Lake City, Journal of Medical Law
Allyson Mower
Librarian, Graduate School & Copyright Librarian
Jed Rogers
Director, Scholarly Communication
Karen Scholl
Editor, Women’s Health Review

MARCH 20
11 AM-12 PM
Virtual

A panel of journal editors will discuss the steps to getting your research published, how to find publication for your project, and how to prepare a manuscript for submission.

22 OUR Annual Report 2022-2023
Presentation and Publication

Publishing and presenting research is a vital part of completing the research cycle\(^1\). During 2022 – 2023 academic year, OUR supported 1,260 undergraduate research presentations in the semester-based Undergraduate Research Symposia, Utah Conference on Undergraduate Research, Research on Capitol Hill, and the National Conference on Undergraduate Research. To support student publications, OUR publishes student research in *RANGE: Undergraduate Research Journal*.

Undergraduate Research Symposium (URS)

Every semester, OUR hosts the Undergraduate Research Symposia (URS). 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: Summer 2022 (in-person), Fall 2022 (virtual), and Spring 2023 (virtual). During the summer symposium, VIP speakers and guests joined our conference including President Taylor Randall, Vice President for Research Erin Rothwell, and the former interim Provost Martell Teasley.

Additionally, OUR sponsors college and field-based symposia: SACNAS 2023 and College of Humanities 2023. 338 students at our and our partner symposia

\[
\begin{align*}
216 & \quad \text{SUMMER SYMPOSIUM PRESENTERS} \\
\quad \text{In-person presentations} \\
41 & \quad \text{FALL SYMPOSIUM PRESENTERS} \\
\quad \text{Virtual presentations} \\
482 & \quad \text{SPRING SYMPOSIUM PRESENTERS} \\
\quad \text{In-person & virtual presentations}
\end{align*}
\]

\(^1\)https://www.jstor.org/stable/10.2979/teachlearningqu.1.2.105?casa_token=nVhb4V4GxREAAAAA:OesvB5-9hMQidc_JauT_L1E9Lqs442pB_PBiP9oLEThwH64maNM3FE0ejbplOrghnmVv2EQuwBRhsxgnzFV-2p6PTA1Jd0Qo545aT2hAwg77CazJ-3Jh
Symposium Poster Evaluation - Advancing Learning Outcomes

Every semester OUR hosts research symposia. Faculty, staff, and graduate students across the University of Utah campus serve as poster evaluators of the symposia.

### Summer & Fall 2022

- **482 Presenters**
- **108 Poster evaluators**
- **524 Poster evaluations**

#### Skills Assessment

- Identify & utilize previous research
- Articulate a research question
- Identify appropriate methodologies
- Effectively present research

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Mastered In Process Early Stages

---

![Poster Session Image]
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. Undergraduate research is a high-impact educational practice - students who participate in research opportunities lead to positive outcomes with retention, graduation, and post-graduation decisions. Student presentations are welcome in all fields and disciplines from the creative and performing arts to biomedical, engineering, and social science research.

UCUR 2023 was co-chaired by Dr. Annie Isabel Fukushima, Cindy Greaves, and Megan Shannahan. The University of Utah hosted the state-wide conference, collaborating with University Marketing and Communications to create materials to promote the event held at the Alumni House, The Sterling Sill Center, and the Union. Six hundred thirty-nine students registered to present at the U. UCUR was supported by: Undergraduate Studies, Office of Undergraduate Research, Vice President for Research, College of Mines & Earth Sciences, Graduate School, J. Willard Marriott Library, Utah Museum of Fine Arts, and Utah System for Higher Education (USHE) partners: Brigham Young University, Salt Lake Community College, Snow College, Southern Utah University, Utah State University, Utah Tech University, Utah Valley University, Weber State University, Westminster College. The program was published with Press Books and a new searchable feature was created on the OUR website.

<table>
<thead>
<tr>
<th>INSTITUTIONS</th>
<th>PRESENTERS</th>
<th>POSTER EVALUATORS</th>
<th>REGISTRANTS</th>
<th>VOLUNTEERS</th>
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</thead>
<tbody>
<tr>
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<td>102</td>
<td>627</td>
<td>639</td>
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<tr>
<td>Salt Lake Community College</td>
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<tr>
<td>Snow College</td>
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<td>Southern Utah University</td>
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<td>University of Utah</td>
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<td>Utah State University</td>
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<td>Utah Tech University</td>
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<td>Utah Valley University</td>
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<td>Weber State University</td>
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<tr>
<td>Westminster College</td>
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### STUDENT PRESENTATIONS

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<tr>
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<th>Applied</th>
<th>Group Presentation</th>
<th>Registered</th>
<th>Registered</th>
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<tr>
<td>Salt Lake Community College</td>
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<td>3</td>
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<tr>
<td>Snow College</td>
<td>1</td>
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<td>Southern Utah University</td>
<td>41</td>
<td>37</td>
<td>51</td>
<td>6</td>
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<tr>
<td>University of Utah</td>
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<td>194</td>
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<tr>
<td>Utah State University</td>
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<td>23</td>
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<td>Utah Valley University</td>
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<tr>
<td>Weber State University</td>
<td>30</td>
<td>17</td>
<td>23</td>
<td>10</td>
</tr>
<tr>
<td>Westminster College</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>643</strong></td>
<td><strong>520</strong></td>
<td><strong>639</strong></td>
<td><strong>87</strong></td>
</tr>
</tbody>
</table>

### Areas of Research (n=622)

- Science 32%
- Social Sciences 18%
- Health and Medicine 15%
- Engineering 11%
- Humanities 6%
- Education 5%
- Other 3%
- Architecture 3%
- Arts 3%
- Social Work 6%

### Gender (n=622)

- Woman
- Man
- Genderqueer
- Prefer not to disclose

Note on areas of research, gender, and race and ethnicity: data collected from self-disclosed categories at registration from student presenters representing Utah System of Higher Education institutions.
UCUR 2023 inaugurated poster prizes which were made possible by generous donations from the University of Utah’s Office of the Vice President for Research (VPR) and Undergraduate Advancement (Office of Undergraduate Studies).

Undergraduate research presentation opportunities afford early career researchers an opportunity to practice speaking about their research and makes visible their research; it is an important aspect of research professionalism and a high-impact practice.

One hundred people served as poster-evaluators from across the state of Utah. The UCUR poster prize committee included Associate Vice Provost Jake Jensen (VPR), Associate Dean Mark St. Andre (Data and Analytics), Associate Dean Annie Isabel Fukushima (Undergraduate Studies and Office of Undergraduate Research), Associate Director Eli Covarrubias (Office of Undergraduate Research), and Academic Program Manager Megan Shannahan (Office of Undergraduate Research). The committee was deeply impressed by the quality of posters submitted for this competitive state-wide undergraduate research competition.

Best: Overall
Claire Park, University of Utah, Poster D17, “An Optogenetic Model of Hemispatial Neglect Permits Real-Time Induction of Rightward Spatial Bias”

Best: Health Science

Best Health Sciences Winner: Tanner Frahm, University of Utah, Poster D10, “Fully Magnetically Levitated Continuous Flow Left Ventricular Assist Device: Are We There Yet?”

Best Health Sciences Winner: Harlan Stevens, Brigham Young University, Poster D42, “Genetic Modification of NMAD-1 Demethylase in C. elegans to Affect Longevity”

Health Sciences Honorable Mention: Hayden Johns, Utah State University, Poster D4, “Vascularization of Renal Organoids Using Chorioallantoic Membrane”

Health Sciences Honorable Mention: Kim Wilson, Utah Tech University, Poster D44, “Bulimia Nervosa and Treatment-Related Disparities: A Review”
UCUR Poster Prizes - Continued

**Best: Humanities**

Best in Humanities Winner: Christine Schmidt, Anita Riddle, Sierra Schmidt, Karson Spencer, Salt Lake Community College, Poster B91, “Alternative, Ergonomic Music Keyboard Designs Suit More People”

Humanities Honorable Mention: Mckenna Goade, Utah Valley University, Poster A5, “The Presence of Absence: Exploring the Shadows of Death”

**Best: Interdisciplinary**

Best in Interdisciplinary Fields Winner: Nura Mostaghimi, University of Utah, Poster A64, “Increasing Science Self-Efficacy and Identity Through Participation in the Native American Summer Research Internship Program”

Interdisciplinary Fields Honorable Mention: Brynn Pyper, Brooke Curry, Marinne Hammond, Matthew Grendell, Brigham Young University, Poster C34, “The Effects of Writing Tutoring on Perceived Stress”

Interdisciplinary Fields Honorable Mention: Cayden Schroader, Emma Blanch, Kary Makela, Weber State University, Poster C75, “Weber State Student Leadership Social Issues Team: Why Students’ Completion Numbers for FAFSA are at All Time Low”

**Best: Social Justice**

Best in Social Justice & Equity Winner: Sarai Silva, Brigham Young University, Poster C60, “Guadalupe Monroy: “Mujer virtuosa, ¿quién la hallará?””

Social Justice & Equity Honorable Mention: Andrew Koenig, University of Utah, Poster C63, “New Leadership Academy’s Effect on Leadership”

**Best: Social Sciences**

Best in Social Sciences Winner: Kyle Davis, Brigham Young University, Poster C54, “Now Growing Grapes: The Post-2012 Political Realignment of Orange County from Red to Purple”

Social Sciences Honorable Mention: Marissa Larkin, University of Utah, Poster A56, “Associations Among Maternal Trauma History, Prenatal Emotion Dysregulation, and Prenatal Sleep Quality”

**Best: STEM (Science, Technology, Engineering & Mathematics)**


Best in Science, Technology, Engineering, & Mathematics Winner: Lauren Ford, Erin Taylor, Eliza White, Brigham Young University, Poster B60, “Effects of Immune System Activity and Methamphetamine on Dopamine Terminal Function”

Science, Technology, Engineering, & Mathematics Honorable Mention: Kamarie Dalton, Southern Utah University, Poster D29, “Prenatal Folate Status Influences Hematopoietic Stem Cell Function”

Science, Technology, Engineering, & Mathematics Honorable Mention: Megan DuVal, University of Utah, Poster D64, “Exploring Species Boundaries in a Widespread Army Ant Genus Using DNA Barcodes”
National Conference on Undergraduate Research (NCUR)

NCUR 2023 was hosted at the University of Wisconsin-Eau Claire. To support student presenters, the OUR hosted the session *Presenting at a National Conference* facilitated by Dr. Annie Isabel Fukushima and student leader Ava Peitz on March 16, 2023. OUR supports student travel to conferences and paid for the student registration fees.

Research on Capitol Hill (ROCH)

The Office of the Vice President for Research, the Office of Government Relations, and the Office of Undergraduate Research select students each year to exhibit their work via posters to Utah State legislators. State legislators are invited to attend the poster presentations, where students receive guidance on how to speak with state representatives about their research. ROCH demonstrates the importance of undergraduate research and creative work through a collaboration between public research universities in this state: University of Utah and Utah State University. The first ROCH was hosted at Capitol Hill in 2000. Legislators are invited by vice president Jason Perry and Natalie Tippets (Office of Government and Relations), to learn more about R1 research and the vital role state funds have in fostering the future of Utah. Speakers included Governor Spencer Cox, Associate Vice President for Research Integrity & Compliance Caren Frost (University of Utah), and President Noelle E. Cockett (Utah State University).
RANGE: Undergraduate Research Journal

2022 marked 22 years of undergraduate research publications with the Office of Undergraduate Research Undergraduate Research Journal. For volume 23 (Fall issue, 2022), the OUR shared with our readers and contributors the publication of the journal on a new platform: Press Books. To celebrate the new location and the transformation of the journal, the journal was renamed to: Range: Undergraduate Research Journal. UEN Digital Press with Pressbooks supports Utah’s growing community of educators and partners seeking to transform teaching and learning through OER and Open Pedagogy.

1,244
JOURNAL VISITORS

3,489
PAGE VIEWS
OUR Outreach

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 to distribute communications via a bi-weekly newsletter: MyEmma.

69 EVENTS ATTENDED
4,847 REACHED IN-PERSON

Tabling at events & classroom presentations

178,557 OUTREACHED ON SOCIAL MEDIA

190,527 WEBSITE VISITORS

5,065 NEWSLETTER RECIPIENTS
OUR Annual Report 2022-2023

OBJECTIVE 02
From Graduation to Graduate School

OUR & Graduation

Undergraduate research is recognized for being central to retaining undergraduate students towards graduation. The centrality of mentoring relationships and programmatic activities that foster a culture of belonging in higher education have led the University of Utah’s OUR to be a campus leader in creating programmatic activities and funding opportunities that support student retention.

Graduate School

For the past five years, OUR has supported graduate school aspirations in undergraduate researchers by co-hosting the “Graduate School Mini Expo” as part of its summer programs. On June 22, 2023 the most recent Mini Expo was hosted as part of summer events. The Mini Expo is a partnership between OUR Summer Programming, OUR Summer Program Partners, and the Graduate School. One hundred and fifty nine students attended the Mini Expo.

61% GRADUATE IN 4 YEARS
90% GRADUATE IN 6 YEARS

22% INTENDED to go to U of U GRADUATE SCHOOL
n=5,765 between 2015-2023
OBJECTIVE 03
Diversity in Research & Early Academic Support

OUR students experience undergraduate research across their academic journey, from first year to graduation, with a majority of undergraduate researchers accessing opportunities in the third and fourth year of their academics. Since 2015, 30.5% of all of OUR funded students (UROP, SPUR, URL, Travel & Small Grants) have been in their first or second years of their academics. This means, the program successfully supports students as they advance early in their academics. OUR fosters equity in access through research and diversity of participants by:

- Offering a course designed for early undergraduate students
- Funding first and second-year students
- Supporting diversity in undergraduate researchers accessing opportunities

Undergraduate Studies 2950

Beginning in the spring 2021, Undergraduate Studies offered the first time ever, UGS 2950—Undergraduate Research Experience asynchronous online course. The course was designed by and taught by Dr. Anne Cook during Spring 2021 and 2022. The course fulfills general education requirements: Applied Sciences [AS] and Social & Behavioral Science [BF]. Students experience content including research fundamentals and skill building for research.

39 STUDENTS REGISTERED

100% SATISFIED with the COURSE

100% RECOMMEND the COURSE
Supporting Diversity & Equity in Undergraduate Research

In order to promote equity in learning and research, it is essential for OUR to capture student diversity. OUR added a new question to Undergraduate Research Opportunity Programs, where mentors now respond to how a mentee’s research contributes to diversity in research.

Diversity in research includes diverse fields of study, subjects of research, and diverse teams. The OUR is committed to supporting diversity in research. Students of color, including American Indian, Alaskan Native, Asian / Asian American, Black / African American, Hispanic or Latine, Multiracial and Pacific Islander constitute the diverse students of color accessing the programs. Additionally, the Office is proud of its support of gender diverse students where a majority of the programs support gender minorities and women. Additionally, 26% of OUR participants are transfer students, students who are more likely to be first generation, Pell-eligible, or students of color.

OUR Participants Race (2015 - 2023)

Racial demographics 2015 - 2023
n=18,627 participants
BIPOC: Black, Indigenous, and People of Color including Mixed-Race, Hispanic/Latine, Pacific Islander
Demographics of Participants (2015 - 2023)

52.5% FEMALE

26% TRANSFER STUDENTS from SLCC

21% FIRST GENERATION

38% PELL ELIGIBLE

16 COLLEGES & SCHOOLS participating in undergraduate research across disciplines

Data aggregates percentiles from students since 2015, and the provided data represents student diversity 2015 - 2023. OUR recognizes that gender, racial, and ethnic categories are more complex than what is presented here and this is just a snapshot of what is known from current University of Utah Data and Analytics.
Central to a robust organization are efforts to diversify resources. The Office of the Vice President for Research, state funds, central funds from the university, private donors, and foundations support OUR. OUR participated in the March 28, 2023 #UGivingDay. Working in partnership with Undergraduate Studies Advancement, OUR has continued to sustain partnerships with donors committed to undergraduate research, including the Dee Foundation, the Francis Family Fund, Parent Fund, the Monson family, and the Roger Leland Goudie Trust.

Central to undergraduate research at the University of Utah are faculty partnerships. For the 2022 – 2023 academic year Associate Dean Fukushima wrote letters of support for seven external grants submitted to National Science Foundation and the National Institute for Health led by faculty at the University of Utah, reflecting efforts to encourage more faculty applying for external grants by including undergraduate researchers in their budgets.

Additionally, the associate dean teamed up with grant applications led by colleagues in the College of Science and across the campus for the Howard Hughes Medical Institute Driving Change grant application, led by Dr. Tino Nyawelo. Additionally, the OUR teamed up with faculty in Neurology to support a research fellowship grant application led by Dr. Stacy Clardy and Ka-ho Wong for their application for the NIH National Institute of Neurological Disorders and Stroke (NIH) grant application.

The OUR is also pursuing federal grant opportunities to diversify the funding supporting the office, students, and faculty collaborations. To continue to strive to showcase the University of Utah as a leader in state-wide research efforts, the University of Utah’s OUR led the first time ever, state-wide application for the National Science Foundation Louis Stokes Alliances for Minority Participation to create the Utah STEM ME Program. The vision of the Utah STEM ME is to strengthen educational opportunities for minorities in STEM through the creation of a Utah state-wide alliance of the STEM ME program - Science, Technology, Engineering and Mathematics for Minority Explorations. The goals of the Utah STEM ME program are as follows: 1. Fostering belonging in minority stem Scholars by strengthening state-wide partnerships; supporting undergraduate research in STEM fields in Utah. 2. Increase minority retention in STEM fields from the first year to the second year in the state of Utah through supporting first-year explorations with research. 3. Foster minority progression in STEM fields through research mentored by faculty in STEM. 4. Advance Utah minority graduation rates in STEM fields through early explorations that lead to presenting research at the Utah Conference for Undergraduate Research. And, 5. Track STEM ME participant success in STEM fields (GPA; first year to second-year retention in STEM fields; learning objectives related to research and presenting research; increased confidence in STEM and research; and evaluate student presentations at the Utah Conference of Undergraduate Research). The Utah STEM ME program proposes to enact a multifaceted institutional change model of fostering belonging, creating resources, supporting the structure of a multi-tiered collaborative model, and a multi-faceted approach to institutional change. Before we discuss our model, we offer a background as to why this is important. The Utah STEM ME alliance is a collaboration between Utah institutions: University of Utah (Lead and R1), Utah State University (R1), Weber State University (Masters L Institution), Salt Lake Community College (public community college), Snow College (public community college), Southern University of Utah (public university), Utah Tech University (Polytech university, formerly Dixie State University), and Utah Valley University (integrated public university and community college). The Utah STEM ME program proposes to create an alliance of 8 institutions in the state of Utah that fosters social integration of Utah STEM ME scholars through a cohort experience, supporting travel to conferences, virtual cohort gatherings twice a semester, programmatic visibility of Utah STEM ME in UCUR's annual conference, and access to virtual content to support growth. And the program fosters social integration for faculty and includes award recognition and opportunities to connect with other faculty through mentor program activities.
Funders, Sponsors, and Donors

Special thanks to all those who gave to OUR in 2022 – 2023.

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

PARTNERS
Undergraduate Studies
Office of Undergraduate Research
Vice President for Research

SPONSORS
College of Mines & Earth Sciences
Graduate School
J. Willard Marriott Library
Utah Museum of Fine Arts

DONORS
Dee Foundation
The Francis Family Fund
Parent Fund
Ivory Foundation
The Monson family
Roger Leland Goudie Trust

INDIVIDUAL DONORS ON GIVING DAY
Anonymous
Dr. Leif Anderson & Dr. Meekyung MacMurdie
Dr. Annie Fukushima
Dr. Jan Kubanek
Dr. Jordan Gerton
Dr. Prafulla Martin-Garg & Dr. Vikram Garg
Dr. Theresa Martinez
Tyler Matsamas
Hunter Moreton
Lisa Nemelka
Dr. Dennis Parker & Mrs. Anne Parker
Dr. Vandana Ramachandran & Clayton Runnebohm
Dr. Melissa Watt
Dr. Guangzhen Wu
Mrs. Elizabeth Young
Appendix A: UROP Scholars
(Spring 2022-Summer 2023)

Architecture + Planning
(4)
Samantha Eddy (Summer 2022)
Campeon Ramirez (Spring 2023)
Alexandra Turner (Fall 2022 and Spring 2023)
Pete Vawdrey (Spring 2023)

Business (3)
Rajeh Albugami (Spring 2023)
Asher Bess (Summer 2023)
Luis Ramirez (Fall 2022 and Spring 2023)

Cultural & Social Transformation (12)
Lilian Aguilar Garcia (Summer 2023)
Del Rio Madrigal (Spring 2023)
Hannah Early (Fall 2022 and Spring 2023)
Ximena Franco (Spring 2023)
Natalia Garrido (Fall 2022 and Spring 2023)
Holden Jones (Summer 2022)
Adam Montgomery (Fall 2022 and Spring 2023)
Lauren Rives (Summer 2023)
Elizabeth Russo (Fall 2022 and Spring 2023)
Miles Smith (Fall 2022)
Kadi Sow (Spring 2023)
Haley Tetzlaff (Spring 2023)

Dentistry (2)
Eliza Diggins (Fall 2022 and Spring 2023)
Alex Romano (Summer 2023)

Education (2)
Andrew Koenig (Spring 2023)
Benjamin Searle (Summer 2022)

Engineering (119)
Ruba Alraqibah (Fall 2022)
Aksel Anderson (Spring 2023 and Summer 2023)
Lauren Anderson (Spring 2023)
Kamry Bailey (Summer 2023)
Michael Barkdull (Fall 2022 and Spring 2023)
Nathan Bartlett (Fall 2022)
Radhika Bhakta (Fall 2022)
Milo Birdwell (Fall 2022 and Spring 2023)
Kin Blandford (Summer 2023)
Joseph Brignone (Fall 2022)
Cassandra Burdick (Fall 2022 and Spring 2023)
Ethan Carcas (Summer 2023)
Joe Christiansen (Spring 2023)
Clara Coffey (Fall 2022)
Aaron Coon (Summer 2022)
James Craig (Summer 2022 and Spring 2023)
Nichols Crawford Taylor (Fall 2022 and Spring 2023)
Andrei Dan (Fall 2022)
Lance Delos Reyes (Summer 2023)
Kerrigan Denham (Spring 2023)
Jason Dieu (Summer 2023)
Collin Dover (Summer 2022)
Michael Esplin (Fall 2022)
Abby Firth (Summer 2023)
Jensen Fobel (Spring 2023)
Tanner Frahm (Summer 2022 and Fall 2022)
Alex Friedman (Summer 2022)
Yash Ghanathe (Spring 2023)
Emily Giesinger (Spring 2023 and Summer 2023)
Jeremi Godbout (Fall 2022)
Carlos Gonzalez (Fall 2022 and Spring 2023)
Vert Grant (Summer 2023)
Nicholas Greger (Fall 2022)
Josh Gubler (Spring 2023 and Summer 2023)
Kaysen Hansen (Summer 2022 and Spring 2023)
Liam Haynie (Summer 2022)
Quinn Hayward (Spring 2023)
Shing Hei Ho (Spring 2023 and Summer 2023)
Lindi Hopkins (Fall 2022)
Oliver Hubbard (Fall 2022)
Anna Huber (Spring 2023)
Justin Isaac (Summer 2023)
Rui Jin (Spring 2023 and Summer 2023)
Jacob Johnson (Spring 2023)
Dakota Jones (Fall 2022)
Jeewon Kim (Summer 2023)
Jun Ha Kim (Spring 2023)
Wona Kim (Summer 2022)
Wooyoung Kim (Summer 2023)
Yeonsu Kim (Summer 2023)
Jonas Knochelmann (Summer 2022)
Clara Kramer (Spring 2023)
Ryan Lam (Fall 2022 and Spring 2023)
Logan Lancaster (Spring 2023)
Alan Larrea Caro (Fall 2022)
Alexandra Leavitt (Summer 2022 and Fall 2022)
Andrew Lee (Spring 2023)
Joey Lee (Spring 2023)
Kevin Lee (Spring 2023 and Summer 2023)
Owen Leishman (Fall 2022)
Amelia Lessen (Fall 2022)
Sam Lewis (Summer 2023)
Sabrina Lin (Summer 2022)
Robert Lindemann (Fall 2022)
Maddie Lodico (Spring 2023 and Fall 2022)
Luke Loehding (Summer 2023)
William Loxley (Spring 2023 and Fall 2022)
Yiming Lu (Fall 2022)
Ty Lunde (Summer 2023)
Emily Lym (Summer 2022 and Spring 2023)
Christian Madsen (Fall 2022)
Jennafer Marsh (Summer 2023)
Bailey Martin (Fall 2022 and Spring 2023)
Lucia Mason (Spring 2023)
Garrett McClellan (Fall 2022)
Carson Minor (Spring 2023)
Hannah Morrison (Fall 2022)
Caden Myers (Fall 2022)
Mia Nelson (Fall 2022 and Spring 2023)
Khoi Nguyen (Fall 2022)
Phat Nguyen (Fall 2022)
Quinna Nguyen (Summer 2022 and Summer 2023)
Abbie Nistler (Spring 2023)
Taylor Ottley (Fall 2022 and Spring 2023)
Andrew Pack (Spring 2023 and Summer 2023)
Brayden Paul (Fall 2022)
Henry Peterson (Spring 2023)
George Polischuk (Summer 2023)
Jesse Prime (Fall 2022 and Spring 2023)
Nathan Ramey (Summer 2022)
Zachary Rasmussen (Summer 2023)
Haven Redd (Summer 2023)
Keegan Richardson (Fall 2022)
Appendix A: UROP Scholars - Continued

Engineering - Continued
David Rou (Summer 2022)
Mathias Schoen (Fall 2022 and Spring 2023)
Lyndsey Schultz (Spring 2023)
Gabe Sherman (Summer 2023)
Tanner Short (Fall 2022)
Jack Shunn (Spring 2023)
Nate Soejima (Summer 2023)
Micah Spjute (Summer 2022)
Ada Stewart (Spring 2022)
Elise Stockham (Fall 2022 and Spring 2023)
Garrett Stoneman (Spring 2023 and Fall 2022)
Nathan Sudbury (Summer 2023)
Alex Tokita (Spring 2023)
Brendan Wagley (Fall 2022 and Spring 2023)
Tyler Walker (Summer 2023)
Nathan Wallace (Fall 2022)
Alexander Wallberg (Fall 2022)
Tyler Whitley (Summer 2022)
Stein Witt (Fall 2022)
Breanna Wong (Summer 2022)
Herbie Wright (Spring 2023 and Summer 2023)
Dobin Yang (Summer 2022)
Anna Yarema (Summer 2022)
Wyatt Young (Summer 2022)
Ien Zielinski (Summer 2023)

Fine Arts (8)
Tate Alexander (Summer 2023)
Pablo Ayala (Spring 2023)
Camden Barrett (Summer 2023)
Adah Bennion (Spring 2023)
Janice Bunker (Fall 2022)
Michael Palmer (Summer 2023)
Cayden Turnbow (Spring 2023)
Leisina Wolfram (Summer 2022)

Health (24)
Jasmine Arreguin (Summer 2023)
Haley Blomquist (Fall 2022 and Spring 2023)
Noah Bondi (Summer 2023)
Bennett Browning (Summer 2022)
Hunter Carlson (Fall 2022)
Alisha Chong (Spring 2023)
Calvin Coates (Summer 2022 and Fall 2022)
Tala Hammonds (Summer 2022)
Kyle Harshany (Fall 2022 and Spring 2023)
Cameron Jensen (Fall 2022 and Spring 2023)
Noah Johnson (Fall 2022)
Anila Jonnavithula (Spring 2023)
Milo Light (Fall 2022 and Spring 2023)
Zachary Mallender (Summer 2022)
Emmanuel Onyega (Summer 2022 and Fall 2022)
Scott Orton (Fall 2022)
Isaac Ou (Fall 2022 and Spring 2023)
Nizhoni Porter (Fall 2022 and Spring 2023)
Kayla Rebentisch (Summer 2022)
Keaton Rosquist (Fall 2022 and Spring 2023)
Sophie Stephens (Fall 2022)
Jada Voth (Fall 2022 and Spring 2023)
Clara William (Summer 2022 and Fall 2022)
MacKenzie Woodrum (Fall 2022)

Honors College (2)
Nayla Rodriguez (Spring 2023)
Gillian Ruppel (Fall 2022 and Spring 2023)

Humanities (25)
Addison Bethards (Fall 2022 and Spring 2023)
Connor Blunt (Summer 2022)
Britta Bolander (Spring 2023)
John Bowden (Summer 2023 and Spring 2023)
Caleb Curtis (Summer 2023)
Joe de Lannoy (Spring 2023)
Pierce Dirskis (Spring 2023)
Kailee Ferret (Fall 2022)
Rachel Holland (Summer 2022)
Annie Jensen (Spring 2023)
Suzanne Keoka (Spring 2023)
Bridget Kelly (Fall 2022)
Marco Leavitt (Summer 2023)
Kalista Leggitt (Spring 2023)
Melissa Lira (Summer 2023)
Casey Miller (Fall 2022)
Cody Page (Fall 2022)
Mel Palmer (Summer 2023)
Molly Rhodes (Spring 2023)
Luke Seaver (Spring 2023)
Trever Vallieres (Spring 2023)
George West (Summer 2023)
Zeia Woodruff (Spring 2023)

Medicine (86)
Sam Aamodt (Fall 2022 and Spring 2023)
Teric Abunuwara (Fall 2022)
Diar Ahmed (Summer 2022)
Raghad Aljassimi (Fall 2022 and Spring 2023)
Ajak Arok (Fall 2022 and Spring 2023)
Nehal Bakshi (Fall 2022 and Spring 2023)
Danny Barrera (Spring 2023)
Austin Bender (Summer 2023)
Abby Blair (Fall 2022 and Spring 2023)
Libby Brooks (Spring 2023)
Nia Brooks (Fall 2022 and Spring 2023)
Matt Chambers (Fall 2022 and Spring 2023)
Jui-Yi Chiu (Summer 2022 and Fall 2022)
Elijah Counterman (Spring 2023 and Fall 2022)
Jamie Covington (Fall 2022)
Joshua Crockett (Fall 2022)
Cameron Davis (Summer 2023)
Samantha Davis (Fall 2022)
Hannah Duron (Summer 2023)
Fatima Faizi (Fall 2022)
Jordyn Gagon (Fall 2022)
Jane Gardner (Fall 2022)
Shalyce Gardner (Summer 2022)
Danaya Geer (Fall 2022)
Anna Gilstrap (Fall 2022 and Spring 2023)
Divyam Goel (Fall 2022)
Dhruvan Gopinath (Spring 2023)
Alexa Gormick (Summer 2023)
Siqi Guo (Spring 2023)
Gabrielle Hadinger (Summer 2022)
Breydon Hardy (Summer 2022)
Audrey Hendarto (Fall 2022 and Spring 2023)
Samuel Hendry (Spring 2023 and Fall 2022)
Josh Hillyard (Summer 2022)
Isabelle Hong (Fall 2022)
Jonathan Hong (Summer 2022)
Alicia Horn (Fall 2022)
Nathan Iverson (Summer 2022)
Jasmine Jacobo (Fall 2022)
Jacob Jones (Fall 2022)
Abhilasha Khatri (Spring 2023)
Jennifer Kim (Fall 2022)
Peyton King (Summer 2023)
Mia Kowalcyzk (Spring 2023)
Appendix A: UROP Scholars - Continued

Medicine - Continued
Xander Kraus-McLean (Summer 2023)
Brian Kwak (Spring 2023)
Jack Landmesser (Summer 2022)
Jordy Larrea Rodriguez (Fall 2022 and Spring 2023)
Andy Lee (Fall 2022)
Zihao Lyu (Summer 2022)
Lorrin Malady (Summer 2023)
Joshua Marchant (Fall 2022)
Travis Martinez (Fall 2022)
Matthew Michaud (Summer 2022)
Irvane Nelson (Fall 2022 and Spring 2023)
Carter Niedert (Fall 2022)
Carmen Nieznanski (Spring 2023 and Summer 2023)
Abby Niwa (Summer 2023)
Taylor Otterness (Fall 2022)
Yun Soo Park (Summer 2022)
Erika Muhlrad (Fall 2022)
Ritika Nayan (Summer 2023)
Nancy Sohlberg (Summer 2022 and Fall 2022)
Rene Valles (Fall 2022)
Bridget Ward (Fall 2022)
Anya Weglarz (Summer 2022)
Alex Wiedemann (Fall 2022 and Spring 2023)
Jennie Wilson (Fall 2022)
Zane Zobell (Fall 2022)

Mines & Earth Sciences (15)
Logan Ashurst-McGee (Summer 2023)
Chloe Barry (Spring 2023)
Emma Boeman (Fall 2022)
Garrett Butler (Summer 2022 and Summer 2023)
Claire Cruz (Fall 2022 and Spring 2023)
Grant Daniels (Fall 2022 and Spring 2023)
Dewi Eagan (Summer 2022)
Maddie Festin (Spring 2023)
Autumn Hartley (Fall 2022 and Spring 2023)
Rachel Jorgensen (Fall 2022)
Angelina Miller (Spring 2023)
J.R. Murphy (Fall 2022)
Alec Phipps-Wirtz (Summer 2022 and Summer 2023)
Nancy Sohlberg (Summer 2022 and Fall 2022)
Tyler Yoklavich (Fall 2022 and Spring 2023)

Nursing (6)
Sofia Flowers (Summer 2023)
Michaella Lawson (Summer 2023)
Emma Norris (Spring 2023)
Brianna Oliveros (Spring 2023 and Summer 2023)
Kimberly Ponce Gonzalez (Fall 2022)
Haley Utendorfer (Spring 2023 and Summer 2023)

Pharmacy (11)
Jaden Arnold (Fall 2022)
Spencer Carstens (Summer 2022)
Gabrielle Desjardins (Fall 2022)
Eli Finlinson (Spring 2023)
Tom Ford (Fall 2022)
Lily Halberg (Summer 2023)
Kylee McManus (Fall 2022 and Spring 2023)
Sonia Osuna (Summer 2022 and Fall 2022)
CJ Reid (Fall 2022 and Spring 2023)
Matthew Stefaniak (Fall 2022)
Miles Thomas (Summer 2022 and Fall 2022)

Science (69)
Nicole Amedee (Fall 2022 and Spring 2023)
Noah Armstrong (Fall 2022 and Spring 2023)
Arnel Besic (Fall 2022)
Bryce Bosworth (Summer 2022 and Fall 2022)
Alison Bouck (Summer 2022)
Georgia Brach (Fall 2022 and Spring 2023)
Jasper Bradford (Fall 2022)
Collin Caldwell (Fall 2022 and Spring 2023)
Ani Camacho (Spring 2023)
Janint Camacho (Summer 2023)
Michelle Cao (Summer 2022)
Quinlan Cassidy (Fall 2022)
Akila Chalapathi (Fall 2022 and Spring 2023)
Harold Chen (Summer 2023)
Noah Conner (Spring 2023)
Aidan Connor (Spring 2023)
America Cox (Summer 2022 and Fall 2022)
Sarah Crago (Fall 2022 and Spring 2023)
Alyssa Curtis (Spring 2023)
Abigail Darling (Fall 2022)
Sierra Davis (Fall 2022 and Spring 2023)
Andrew Erickson (Fall 2022 and Spring 2023)
Cannon Feherenbach (Fall 2022)
Christian Furness (Fall 2022 and Summer 2022)
Clista Galecki (Fall 2022)
Audrey Glende (Spring 2023)
Kaan Goktepe (Spring 2023)
Parker Guzman (Spring 2023 and Summer 2023)
JC Herrmann (Fall 2022 and Spring 2023)
Joshua Hill (Summer 2022)
Jude Horsley (Fall 2022)
Caroline Keller (Spring 2023)
Aron Koizumi (Fall 2022)
Sydney Larsen (Summer 2023)
Hannah Lee (Summer 2022 and Fall 2022)
Benvin Lozada (Fall 2022 and Spring 2023)
Julane Machado (Spring 2023)
Juliana Matteis (Spring 2023)
Victoria Medvedeva (Spring 2023)
Delaney Miller (Summer 2023)
Jackson Munn (Fall 2022)
Appendix A: UROP Scholars - Continued

Science - Continued
Samantha Nestel (Spring 2023)
Hoang Nguyen (Fall 2022)
Ali Nopper (Summer 2023)
Micaela Olivas (Summer 2023)
Claire Palmer (Fall 2022)
Alice Parker (Spring 2023)
Scott Perkins (Spring 2023)
Mikal Peterson (Summer 2022 and Fall 2022)
Julia Petheram St. Andre (Summer 2022)
Gary Perea (Summer 2022)
Micaela Olivares (Summer 2023)
Claire Palmer (Fall 2022)
Alice Parker (Spring 2023)
Scott Perkins (Spring 2023)
Mikal Peterson (Summer 2022 and Fall 2022)
Julia Petheram St. Andre (Summer 2022)
Kiyanna Porter (Spring 2023 and Summer 2023)
Bridget Raymundo (Summer 2023)
Maddock Riewald (Summer 2023)
Ana Rowe (Summer 2022)
Emily Sageser (Spring 2023)
Olivia Schmitz (Fall 2022 and Spring 2023)
Mitchell Spendlove (Summer 2022)
Jacob Strong (Spring 2023)
Marcus Tanner (Fall 2022 and Spring 2023)
Quyen Tran (Fall 2022 and Spring 2023)
Anastasia Varela (Summer 2023)
Rachel Whipple (Fall 2022)
Marc Whiting (Summer 2022)
Claudia Wiese (Fall 2022)
MacKenzie Woodrum (Spring 2023)
Anuhyalalavarty (Spring 2023)
Bailey Young (Spring 2023)
Nikolai Zarandona (Summer 2022)

Social & Behavioral Science - Continued
Evelyn Acosta (Fall 2022 and Spring 2023)
Callie Avondet (Fall 2022)
Theodore Baende (Spring 2023)
Jacob Berryhill (Fall 2022)
Winky Boody (Spring 2023)
Kerrigan Bunker (Spring 2023)
Emalee Carroll (Fall 2022 and Spring 2023)
Sophia Chenosky (Spring 2023)
Piper Christian (Fall 2022)
Eamon Christiansen (Summer 2023)
Jordan Davidson (Spring 2023)
Hailee Davis (Spring 2023 and Summer 2023)
Nina de Vos (Summer 2023)
Julia Decker (Spring 2023)
Shane Denherder (Summer 2022)
Jeff Dillon (Spring 2023 and Summer 2023)
Tyler Endow (Fall 2022)
Isabelle Forrest (Fall 2022 and Spring 2023)
Emma Glende (Summer 2022)
SuYeon Gwak (Fall 2022)
Gabriel Hammond (Summer 2023)
Amy Harvey (Fall 2022 and Spring 2023)
Kylee Haslam (Spring 2023)
Brendan Hatch (Spring 2023)
Samuel Hoffman (Spring 2023 and Fall 2022)
Taylor Holladay (Fall 2022)
Amanda Holt (Summer 2023)
Izzy Hong (Summer 2023)
Aaron Ibarra (Fall 2022 and Spring 2023)
Lauren Isom (Spring 2023)
Jack Jowers (Fall 2022)
Saey Kamtekar (Fall 2022)
Samantha Kight (Fall 2022)
Sydney Kincart (Fall 2022 and Spring 2023)
Karena Klinkenberg (Spring 2023)
Halisha Knipe (Summer 2023)
Jensen Koff (Spring 2023)
David Lee (Spring 2023)
Benning Lozada (Fall 2022 and Spring 2023)
Kitsel Lusted (Spring 2023)
Marin Macfarlane (Summer 2022 and Fall 2022)
Caroline Martin (Fall 2022)
Julia Martin (Fall 2022)
Rose McLaughlin (Fall 2022)
Corinna McMurtrey (Fall 2022 and Spring 2023)
Carson Miller (Spring 2023)
Seunghee Moon (Summer 2023)
Nura Mostaghimi (Fall 2022 and Spring 2023)
Misty Myers (Spring 2023)
Andrew Nielsen (Spring 2023)
Tara Olson (Fall 2022)
Isaiah Ortez (Spring 2023)
Lauren Page (Fall 2022 and Spring 2023)
Haley Parsons (Spring 2023)
Nancy Pasillas (Spring 2023)
Katya Podkoryoff Lewis (Fall 2022 and Spring 2023)
Alicia Quick (Summer 2022 and Fall 2022)
Jade Ramirez-Barraca (Summer 2023)
Inakhshmi Rashid (Fall 2022 and Spring 2023)
Alyssa Richards (Fall 2022)
Jacob Richins (Fall 2022 and Spring 2023)
Mary Roalstad (Fall 2022)
Talon Roberts (Fall 2022 and Spring 2023)
Tophier Roller (Fall 2022)
Camille Schadl-Romero-Oak (Fall 2022 and Spring 2023)
Lauren Shields (Spring 2023)
Marti Sorensen (Fall 2022 and Spring 2023)
Brennan Stock (Spring 2023)
Matt Storie (Spring 2023)
Sofia Thoms (Spring 2023 and Fall 2022)
Macey Tilk (Fall 2022)
Melissa Tyszko (Fall 2022 and Spring 2023)
Maya Upton (Spring 2023)
Emma Videla (Spring 2023)
Martha Werner (Fall 2022)
Sierra Young (Summer 2022)
Appendix B: UROP Faculty Mentors (Summer 2022-Summer 2023)

Architecture + Planning (4)
- **Summer 2022**
  - Shundana Yusaf
- **Fall 2022**
  - Alessandro Rigolon
- **Spring 2023**
  - Milad Mozari
  - Alessandro Rigolon
  - Joerg Ruegemer

Business (3)
- **Fall 2022**
  - Lyda Bigelow
- **Spring 2023**
  - Lyda Bigelow
  - Amelia Stillwell

Summer 2023
- Sara Malik

Cultural & Social Transformation (7)
- **Summer 2022**
  - Claudia Geist
- **Fall 2022**
  - Annie Fukushima
  - Claudia Geist
  - Kim Hackford-Peer
  - Ed A. Munoz
- **Spring 2023**
  - Ana Carolina Antunes
  - Annie Fukushima
  - Claudia Geist
  - Alborz Ghandehari
  - Kim Hackford-Peer
  - Ed A. Munoz
  - Thomas Swensen

Summer 2023
- Claudia Geist
- Annie Fukushima

Dentistry (1)
- **Fall 2022**
  - Melodie Weller
- **Spring 2023**
  - Melodie Weller
- **Summer 2023**
  - Melodie Weller

Education (2)
- **Summer 2022**
  - Lauren Barth-Cohen
- **Spring 2023**
  - Paton Roden

Engineering (67)
- **Summer 2022**
  - Rogelio Cardona-Rivera
  - Chuck Dorval
  - Daniel Drew
  - Tao Gao
  - Jake George
  - Yong Lin Kong
  - Jan Kubanek
  - Alan Kuntz
  - Swomitra Mohanty
  - Shahrzad Roshankhah
  - Frank Sachse
  - Jennifer Weidhaas
  - Heayoung Yoon
- **Fall 2022**
  - Jeffrey Bates
  - Edoardo Battaglia
  - Dmitry Bedrov
  - Robert Bowles
  - Marc Calaf
  - Brittany Coats
  - Chuck Dorval
  - Cynthia Furse
  - Pierre-Emmanuel Gaillardon
  - Tao Gao
  - Hamid Ghandehari
  - Ashley Guajardo
  - Tom Henderson
  - Tucker Hermans
  - Edward Hsu
  - Priyank Kalla
  - Marina Kogan
  - Yong Lin Kong
  - Jessica Kramer
  - Alan Kuntz
  - Tommaso Lenzi
  - Mark Minor
  - Kay Park
  - Shahrzad Roshankhah
  - Russell Stewart
  - Luke Timmins
  - Chen Wang
  - Jennifer Weidhaas
  - Ling Zang
  - Thomas Zangle

Spring 2023
- Jeff Bates
- Edoardo Battaglia
- Dmitry Bedrov
- Robby Bowles
- Owen Chan
- Chuck Dorval
- Tao Gao
- Jake George
- Tucker Hermans
- Huwen Ji
- Priyank Kalla
- Jay Kim
- Alan Kuntz
- Tommaso Lenzi
- Rob MacLeod
- Ana Marasovic
- Josh McCrain
- Bobby Mohanty
- Ken Monson
- Stefan Nagy
- Prashant Pandey
- Chris Pantelides
- Kay Park
- Jeff Phillips
- Fernando Rodríguez
- Shahrzad Roshankhah
- AShutosh Tiwari
- Chen Wang
- Dave Warren
- Haohan Zhang

Summer 2023
- Amir Arzani
- Robby Bowles
- Deisy Cristina Carvalho Fernandes
- Jiyoung Chang
- Stavros Drakos
- Daniel Drew
- Henry Fu
- Tucker Hermans
- Robert Hitchcock
- Jay Kim
- Jan Kubanek
Appendix B: UROP Faculty Mentors - Continued

Engineering - Continued
Alan Kuntz
Rob MacLeod
Juan Medina
Rajesh Menon
Kami Mohammadi
Swomitra Mohanty
Ken Monson
Stefan Nagy
Pania Newell
Alex Novoselov
Luke Timmins
Pai Wang
Shundana Yusaf
Thomas Zangle
Haohan Zhang
Peter Zhu

Fine Arts (7)
Summer 2022
Meekyung MacMurdie

Fall 2022
Jane Hatter

Spring 2023
Sonia Albert Sobrino
Wendy Wischer

Summer 2023
Alexandra Harbold
Hubbel Palmer
Brian Snapp

Health (14)
Summer 2022
Genevieve Albouy
Siham Boudina
Jesse Christensen
Christopher Depner
Will Holland
Jessie King Jensen

Fall 2022
Genevieve Albouy
Siham Boudina
Amandine Chaix
Jesse Christensen
Peter Fino
Raj Ghosh
Tanya Halliday
Will Holland
Bradley King
Stacy Manwaring
Anandh Babu Pon Velayutham
David Symons

Spring 2023
Christopher Depner
Peter Fino
Raj Ghosh
Tanya Halliday
Will Holland
Brad King
Stacy Manwaring
Anandh Babu Pon Velayutham
J David Symons

Summer 2023
Peter Fino
Anandh Babu Pon Velayutham

Honors College (1)
Fall 2022
Michael Gills

Spring 2023
Michael Gills

Humanities (18)
Summer 2022
Maureen Mathison
Margaret Wan

Fall 2022
Alexis Christensen
Anielo De Santo
Tanya Flores
Leslie Francis
Kendall Gerdes

Spring 2023
Maile Arvin
Dave Bresnahan
Anielo De Santo
Tanya Flores
Mira Green
Gema Guevara
Matt Haber
Eric Herschthal
Ashston Lazarus
Peter Roady

Summer 2023
Dave Bresnahan
Alexis Christensen
Beth Clement
Trace Daniels Lerberg
Mira Green
David Roh

Medicine (55)
Summer 2022
Anna Beaudin
Dipayan Chaudhuri
Clement Chow
Nicholas Frost
Heath Henninger
Kent Lai
Scott Langenecker
Ben Myers
Allison Payne
Yan-Ting Shiu
Melissa Watt
Jun Yang
Moriel Zelikowsky

Fall 2022
Kurt Albertine
Katie Basham
Anna Beaudin
Edgar Bruce
Owen Chan
Clement Chow
Donna Cross
Rebecca Delaney
Emily Dennis
Brian Evavold
Candace Floyd
Man Hung
Lindsay Keegan
Vincent Koppelmans
Tracey Lamb
Matthew Mulvey
Joe Palatinus
Sungjin Park
Dennis Parker
Allison Payne
Marcus Pezzolesi
Vicente Planelles
Candace Reno
Jared Rutter
Punam Sawant-Pokam
Alex Shchegloivot
Peter Shen
Benjamin Spike
Kristi Warren
Dustin Williams
Brandi Wynne
Moriel Zelikowsky

Spring 2023
Anna Beaudin
Kurt Albertine
Katie Basham
Anna Beaudin
Robert Campbell
Donna Cross
Rebecca Delaney
Appendix B: UROP Faculty Mentors - Continued

**Medicine - Continued**
Stavros Drakos
Stephen Kimani
Tracey Lamb
Daniel Leung
Troy Madsen
Matthew Mulvey
Natasha Pavlova
Marcus Pezzolesi
Nirupama Ramkumar
Candace Reno-Bernstein
Matthew Rondina
Jared Rutter
Peter Shen
Yan-Ting Shiu
Benjamin Spike
Michele Villalobos
Kristi Warren
Dustin Williams

**Summer 2023**
Dipayan Chaudhuri
Gregory Ducker
Justin English
David Grunwald
Heath Henninger
Panagiotis Kassavetis
Tracey Lamb
Daniel Leung
Douglas Mackay
Yan-Ting Shiu
Dustin Williams
Brandi Wynne
Moriel Zelikowsky

**Nursing (4)**

**Fall 2022**
Kathie Supiano

**Spring 2023**
Lauri Linder
Sara Simonsen

**Summer 2023**
Lauri Linder
Rebekah Perkins

**Pharmacy (7)**

**Summer 2022**
Shreya Goel
Peter West
Karen Wilcox

**Fall 2022**
Katharine Diehl
Shreya Goel
David Grainger
Jindrich Kopecek
Peter West
Karen Wilcox

**Spring 2023**
Shreya Goel
David Grainger
Karen Wilcox

**Summer 2023**
Mei Yee Koh

**Mines & Earth Sciences (10)**

**Summer 2022**
Leif Anderson
Gannet Hallar
Kathleen Ritterbush

**Fall 2022**
Leif Anderson
Gannet Hallar
Randall Irmis
Steve Krueger
Sarah Lambart
Mark Loewen
Kip Solomon

**Spring 2023**
Leif Anderson
Jamie Farrell
Gannet Hallar
Steve Krueger
Kip Solomon
Michael Thorne

**Science (40)**

**Summer 2022**
Ben Bromley
Shanti Deemyad

**Summer 2022**

**Fall 2022**
Fred Adler
Bill Andereg
Connor Bischak
Ben Bromley

**Summer 2023**
Sophie Caron
Dale Clayton
Bryn Dentinger
Vikram Deshpande
Gina Frey
Jordan Gerton
Martin Horvath
Sean Howe
Talia Karasov
Jack Longino
Shelley Minteer
Nitin Phadnis
Aaron Puri
Andrew Roberts
Caroline Saouma
Joshua Steffen
Michael Werner
Heejin Yoo
Yue Zhao
Jingyi Zhu

**Spring 2023**
Ben Bromley
Sarah Bush
Sophie Caron
Fabienne Chevance
Dale Clayton
Shanti Deemyad
Gina Frey
James Gagnon
Jordan Gerton
Martin Horvath
Alicia Lamarche
Yao-Yuan Mao
Nitin Phadnis
Aaron Puri
Jon Rainier
Andrew Roberts
Ofer Rog
Mike Shapiro
Michael Werner
Luisa Whittaker-Brooks
Ayako Yamaguchi
Chan Yul Yoo
Heejin Yoo
Jingyi Zhu

**Summer 2023**
Sarah Bush
Fabienne Chevance
Martin Horvath
Shelley Minteer
Eric Montoya
Nitin Phadnis
Aaron Puri
Andrew Roberts
Joshua Steffen
Heejin Yoo
Appendix B: UROP Graduate Student Mentors (Summer 2022-Summer 2023)

**Social & Behavioral Science (35)**

**Summer 2022**
- Adrienne Cachelin
- Elisabeth Conradt
- Kim Korinek

**Fall 2022**
- Lisa Aspinwall
- Cindy Berg
- Larry Coats
- Elisabeth Conradt
- Philip Dennison
- Lisa Diamond
- Matt Euler
- Jessie Fan
- Jennifer Follstad Shah
- Sara Grineski
- Akiko Kamimura
- Shane Macfarlan

**Spring 2023**
- Tom Maloney
- Rebecca Owen
- Brennan Payne
- Mitchell Power
- Lee Raby
- Phillip Singer

**Social & Behavioral Science (35)**

**Summer 2022**
- Lisa Aspinwall
- Andrea Brunelle
- Adrienne Cachelin
- Jackie Chen
- Larry Coats
- Elisabeth Conradt
- Sarah Creem-Regehr
- Lisa Diamond
- Frank Drews
- Tyler Faith
- Rick Forster
- Cory Inman

**Fall 2022**
- Lisa Aspinwall
- Katie Baucom
- Andrea Brunelle
- Adrienne Cachelin
- Jackie Chen
- Larry Coats
- Elisabeth Conradt
- Sarah Creem-Regehr
- Lisa Diamond
- Frank Drews
- Tyler Faith
- Rick Forster
- Cory Inman

**Spring 2023**
- Lisa Aspinwall
- Katie Baucom
- Andrea Brunelle
- Adrienne Cachelin
- Jackie Chen
- Larry Coats
- Elisabeth Conradt
- Sarah Creem-Regehr
- Lisa Diamond
- Frank Drews
- Tyler Faith
- Rick Forster
- Cory Inman

**Social & Behavioral Science (35)**

**Fall 2022**
- Lisa Aspinwall
- Andrea Brunelle
- Adrienne Cachelin
- Jackie Chen
- Larry Coats
- Elisabeth Conradt
- Sarah Creem-Regehr
- Lisa Diamond
- Frank Drews
- Tyler Faith
- Rick Forster
- Cory Inman

**Spring 2023**
- Lisa Aspinwall
- Katie Baucom
- Andrea Brunelle
- Adrienne Cachelin
- Jackie Chen
- Larry Coats
- Elisabeth Conradt
- Sarah Creem-Regehr
- Lisa Diamond
- Frank Drews
- Tyler Faith
- Rick Forster
- Cory Inman

**Summer 2023**
- Lisa Aspinwall
- Katie Baucom
- Andrea Brunelle
- Adrienne Cachelin
- Jackie Chen
- Larry Coats
- Elisabeth Conradt
- Sarah Creem-Regehr
- Lisa Diamond
- Frank Drews
- Tyler Faith
- Rick Forster
- Cory Inman

**Engineering (8)**

**Summer 2022**
- Eugene Kwan
- Andrew Miller
- Nick Witham

**Fall 2022**
- Monika Buczak
- Carena Cornelssen
- Eugene Kwan
- Caleb Thomson

**Spring 2023**
- Connor Olsen
- Caleb Thomson

**Summer 2023**
- Julia Dunn
- Connor Olsen

**Mines & Earth Sciences (1)**

**Fall 2022**
- Emily Cunningham

**Spring 2023**
- Emily Cunningham

**Science (5)**

**Summer 2022**
- Thomas King

**Fall 2022**
- Thomas King
- Dylan Klure

**Spring 2023**
- Austin Green
- Selvi Kara
- Dylan Klure

**Medicine (8)**

**Fall 2022**
- Jordan Grammer
- Diane Hernandez
- Amy Lenz
- Gennie Parkman
- Crystal Sigulinsky
- Zach Wilson

**Spring 2023**
- Maggie Doolin
- Selvi Kara

**Summer 2023**
- Amy Lenz
- Caleb Thomson

**Social & Behavioral Science (35)**

**Summer 2022**
- Amy McDonnell
- Janae Chandler
- Stella Mosher
- Kaedan O’Brien
- Jack Silcox

**Fall 2022**
- Amy McDonnell
- Stella Mosher
- Kaedan O’Brien

**Spring 2023**
- Amy McDonnell
- Stella Mosher
- Kaedan O’Brien

**Summer 2023**
- Rob Warner
Appendix C: SPUR Scholars (Summer 2022-Summer 2023)

Architecture + Planning
2022 (1)
Olivia Vielstich
2023 (1)
Wynton Jarvinen

Cultural & Social Transformation
2022 (1)
Natalia Garrido
2023 (1)
Aaliyah Henderson

Dentistry
2022 (1)
Brenda Acosta

Education
2022 (2)
Luke Kim
Mary Smith
2023 (2)
Jordan Giron
Abigail McWhirte

Engineering
2022 (5)
Andrew Bergenthal
Gabrielle Bingener
William Hamrick
Jacob Hirst
Thomas Kauffman
2023 (5)
Siddharth Dhumal
Joseph Gilson
Manya Murali
Zachary Olson
Abigail Stringfellow

Health
2022 (3)
Sarah Haysley
Jade Robinson
Keaton Rosquist
2023 (7)
Owen Benzley
Fernanda Guzman

Humanities
2022 (1)
Eliana Massey
2023 (3)
Callie Avondet
Christen Daniel
Abril Vale-Luzardo

Medicine
2022 (13)
Camden Alexander
Sarah Bayardo
Austin Bender
Samuel Evans
Jacqueline Gomez
Naomi Guerrero Reyes
Seunga Han
Jordy Larrea Rodriguez
Marlon Lopez
Monica-Rae Owens
Catherine Petersen
Kevin Ramos
Bridget Ward
2023 (16)
Laila Batar
Porter Bischoff
Meghan Carter
Ariyanna Clark-Drew
Andrew Clothier
Ashley Cluff
Ryan De Los Santos
Ryan Gardner
Tashiana Gray
Charles Hayward
Grace Makassa
Aryana Merrill-Johnson
Breanka Moore
Olivia Raines
Jonah Simmons
Naomi Thombs

Mines & Earth Sciences
2022 (3)
Gabriel Baffour (2022)
Jessica Cuello (2022)

Nursing
2023 (1)
Irene Liang

Pharmacy
2022 (1)
Ananya Kuma
2023 (1)
Jane Staples

Science
2022 (4)
Marco R Castaneda Martinez
Tenzin Norzom
Tejasheek Prakash
Eleanor Wachtel
2023 (4)
Mason Burden
Emily Dalley
Hailey Hollins
Rebecca MacGillvray

Social & Behavioral Science
2022 (2)
Hope Caviness
Tara Olson
2023 (11)
Cindy Diaz Rey
Jacqueline Gomez
Mauro Gonzalez
Eunseo Han
Anna Hsu
Michael Joyfull Komigi
Angela Lezaic
Lillian MacKinney
Maiko Okamura
Siena Popiel
Kevin Ramos

Social Work
2022 (1)
Audrey Pozernick
Appendix D: SPUR Faculty Mentors (Summer 2022-Summer 2023)

Architecture + Planning
2022 (1)
Ivis Garcia Zambrana
2023 (1)
Divya Chandrasekhar

Cultural & Social Transformation
2022 (1)
Claudia Geist
2023 (1)
Andrea Baldwin

Dentistry
2022 (1)
Melodie Weller

Education
2022 (1)
José Gutiérrez
2023 (1)
Lauren Barth-Cohen

Engineering
2022 (5)
Jacob George
Jan Kubanek
Sameer Patil
Jason Wiese
Haohan Zhang
2023 (5)
Jacob George
Alex Novoselov
Sameer Patil
Roseanne Warren
Haohan Zhang

Health
2022 (3)
Skyler Jennings
Bradley King
Anandh Babu Pon Velayutham
2023 (5)
Genevieve Albouy
Rajeshwary Ghosh
Rhonda Nelson

Humanities
2022 (1)
Matthew Basso
2023 (3)
Jennifer Andrus
Maile Arvin
Crystal Lumpkins

Medicine
2022 (10)
Owen Chan
Scott Collingwood
Gregory Ducker
Ram Gouripeddi
Adam Hughes
Joseph Kim
Anne Kirchhoff
Amy Lenz
Erin McGlade
James VanDerslice
2023 (15)
Amanda Bakian
Kelly Baron
Kanokwan 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

Mines & Earth Sciences
2022 (2)
Daniel Mendoza
Xuming Wang
2023 (1)
Leif Anderson

Nursing
2023 (1)
Djin Tay

Pharmacy
2022 (1)
Shreya Goel
2023 (1)
Nitish Khurana

Science
2022 (4)
William Anderegg
Regina Frey
James Gagnon
Joshua Steffen
2023 (4)
Connor Bischak
Shanti Deemyad
Regina Frey
James Gagnon

Social & Behavioral Science
2022 (2)
Lisa Diamond
Brennan Payne
2023 (8)
Tabitha Benney
Juliet Carlisle
David De Micheli
Sara Grineski
Cory Inman
Brennan Payne
Phillip Singer
Rebecca Utz

Social Work
2022 (1)
Tiffany Baffour
NOTE

Data captured in this report reflects programs and activities between 2015 and 2023, with particular emphasis on 2022 to 2023 academic year.
Questions? Contact Dr. Annie Isabel Fukushima at our@utah.edu or visit our.utah.edu.
Office of Undergraduate Research
University of Utah
Sill Center 005
Salt Lake City, UT 84112
(801) 581-8070
our.UTAH.edu
our.utah.edu