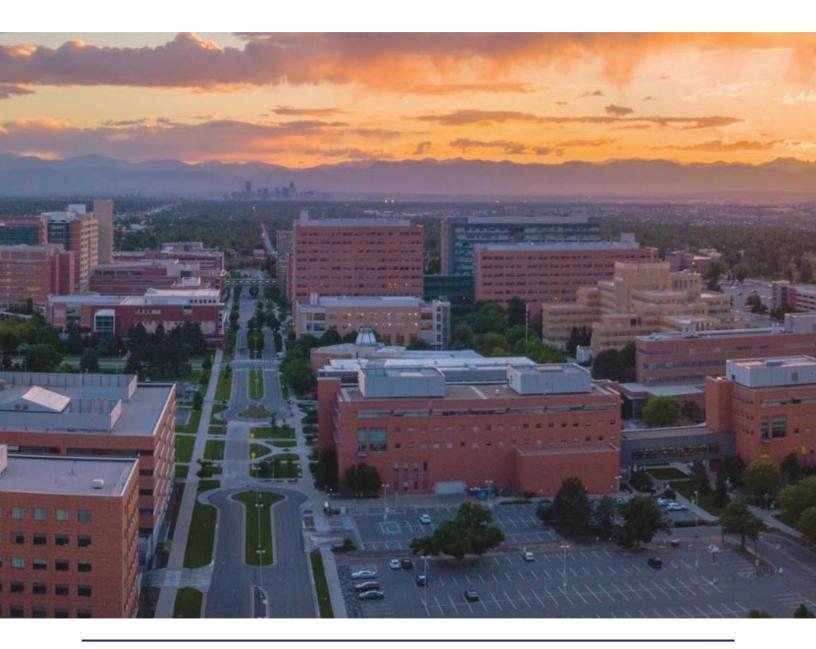
GSP GATES SUMMER INTERNSHIP PROGRAM IMPACT REPORT 2015 - 2020





OUR MISSION

The Gates Summer Internship Program (GSIP) encourages outstanding undergraduates to consider careers in biomedical research and regenerative medicine. State-of-the-art training opportunities are provided in the Gates Center for Regenerative Medicine members' laboratories.

"While I expected the Gates Summer Internship Program to change the way I look at research, I did not anticipate how it would impact my self-perception. From the moment I started in the lab, I felt like a scientist. My ideas were valued, my contributions were validated, and my presence, especially as a woman in science, was affirmed. The program helped me find the confidence I needed to continue pursuing a career in research."

Eleanor Mackintosh ('2018) Mentor: Tamara Terzian, Ph.D.

THE GATES SUMMER INTERNSHIP PROGRAM

Each summer, GSIP interns are assigned to Gates Center clinician/research members' laboratories to work on specialized research topics and therapies. They also attend bi-weekly seminars on research, clinical subjects, and professional development. Additionally, the program includes social and volunteer activities on campus, in Denver and across Colorado. The program concludes with a Closing Day Ceremony featuring a guest speaker and a presentation of the interns' work at a poster session and reception for family, friends, donors, mentors and the wider campus community (see photos on page 12).

Inspired by years of positive experiences with summer interns in Gates Center laboratories, Drs. Tamara Terzian, Neil Box and Enrique Torchia thoughtfully conceived an official internship program to inspire outstanding young college undergraduates to pursue careers in stem cell biology and regenerative medicine.

Their hope and initiative proved to be a great catalyst, inspiring the heartfelt and generous support of Gates Center friends Rhondda and Peter Grant, whose 2014 gift enabled the launch of the GSIP program in the summer of 2015 with 12 students.

Five years later, this program has attracted increased and widespread visibility, ignited professional careers, gained additional supporters along with the Grants and become a signature of the Gates Center's educational efforts.



Co-Directors, Drs. Enrique
Torchia, Tamara Terzian
and Neil Box (left to right)
founded the Gates
Summer Internship
Program in 2015.

MEET OUR TEAM



JOSEPH BRZEZINSKI, PH.D.

CO-DIRECTOR

Dr. Brzezinski joined the Department of Ophthalmology in 2012 and is currently an associate professor. His lab studies how gene regulatory pathways control eye development. In particular, the Brzezinski lab is investigating how the cone photoreceptors of the retina are formed and whether these cells can be used therapeutically to reverse blindness. Dr. Brzezinski is highly involved in training scientists and has been mentoring Gates summer interns since 2016. In 2020, he became a co-director of the Gates Summer Internship Program.



JILL COWPERTHWAITE

CO-DIRECTOR

Jill Cowperthwaite is the co-director of GSIP in addition to serving as director of marketing and external relations at the Gates Center since 2012. A fourth-generation Coloradan, Jill graduated from Middlebury College and has worked as a legislative assistant on Capitol Hill in Washington D.C., associate director of development and alumni relations at St. Anne's Episcopal School, and director of development at History Colorado. Jill has always enjoyed working with young people and has been thrilled to be involved with GSIP since its launch in 2015.



JANE RECH, PH.D. PROGRAM VOLUNTEER

Jane Rech has been involved at the Gates Center since January 2020. She has focused on a number of projects, but particularly appreciates working with the talented staff and student interns in the GSIP program. Jane received a bachelor's degree in Chemistry and English from Williams College and a doctorate in Molecular Biology from Vanderbilt University. She has served as a trustee at St. Anne's Episcopal School and in a development capacity for numerous schools and colleges.



JESSICA TAYLOR HEARD

PROGRAM COORDINATOR

Jessica Taylor Heard joined the Gates Center in August 2018. An Alabama native, she moved to Colorado in 2018 with her husband, who serves in the U.S. Space Force. Jessica graduated from the University of South Alabama in Mobile, AL, where she obtained her bachelor's degree in communication studies. With experience as an office manager, family readiness support assistant, and camp counselor, she has always been grateful for the opportunity to be involved and support student programs.

OUR MENTORS

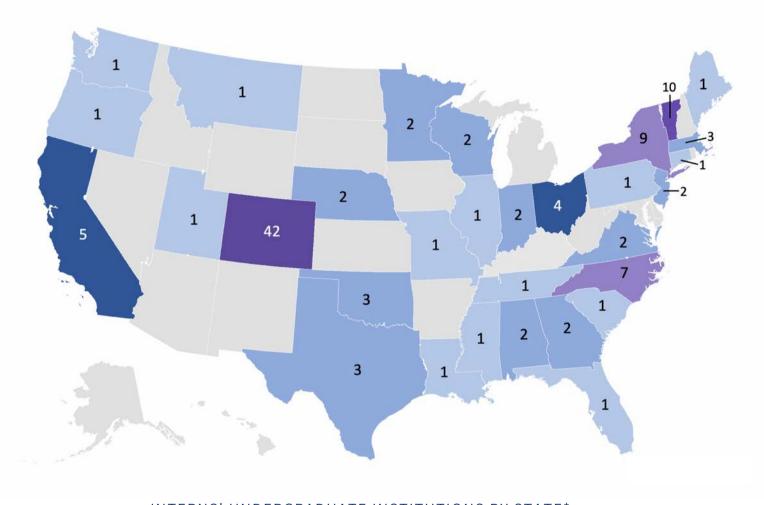
GSIP could not accomplish all it does without our dedicated mentors, who are essential in delivering a positive and productive internship experience.

Mentor	Position	Affiliation
Kristin Artinger, Ph.D.	Professor	Craniofacial Biology
Ganna Bilousova, Ph.D.	Assistant Professor	Dermatology
Stanca Birlea, M.D., Ph.D.	Associate Professor	Dermatology
Neil Box, Ph.D.	Associate Professor	Dermatology
Joseph Brzezinski, Ph.D.	Associate Professor	Ophthalmology
Wallace Chick, Ph.D.	Assistant Professor	Cell and Developmental Biology
Angelo D'Alessandro, Ph.D.	Assistant Professor	Biochemistry and Molecular Genetics
Peter Dempsey, Ph.D.	Associate Professor	Pediatrics
Heide Ford, Ph.D.	Professor	Pharmacology
Curt Freed, M.D.	Professor	Internal Medicine
Mayumi Fujita, M.D., Ph.D.	Professor	Dermatology
Paco Herson, Ph.D.	Professor	Anesthesiology
Jeffrey Jacot, Ph.D.	Associate Professor	Bioengineering
Antonio Jimeno, M.D., Ph.D.	Professor	Medical Oncology
Shi-Long Lu, M.D., Ph.D.	Associate Professor	Otolaryngology
Chelsea Magin, Ph.D.	Assistant Professor	Pulmonary Sciences
Karin Payne, Ph.D.	Assistant Professor	Orthopedics
Mark Petrash, Ph.D.	Professor	Ophthalmology
Nidia Quillinan, Ph.D.	Associate Professor	Anesthesiology
Tania Reis, Ph.D.	Associate Professor	Endocrinology
Dennis Roop, Ph.D.	Professor	Dermatology
Holger Russ, Ph.D.	Assistant Professor	Pediatrics
Matthew Seefeldt, Ph.D.	Executive Director	Gates Biomanufacturing Facility
Yiqun Shellman, Ph.D.	Associate Professor	Dermatology
Beth Tamburini, Ph.D.	Assistant Professor	Medicine
Tamara Terzian, Ph.D.	Assistant Professor	Dermatology
Enrique Torchia, Ph.D.	Assistant Professor	Dermatology
Michael Verneris, M.D.	Professor	Pediatrics
Lori Walker, Ph.D.	Associate Professor	Cardiology
Xiao-Jing Wang, M.D., Ph.D.	Professor	Pathology

Visit our <u>website</u> to view our current mentors' research interests.

GSIP OVER THE YEARS

The GSIP staff is committed to strengthening ties with program graduates and learning how our interns' GSIP experience affected their academic and/or career decisions. Beginning in 2020, the program's staff worked diligently to collect extensive, actuarial data regarding the interns who have participated to date in GSIP.



INTERNS' UNDERGRADUATE INSTITUTIONS BY STATE*

"I never realized that I could be a part of the science academia world until GSIP. It taught me that I was smart and capable enough to do research, but also that it is a viable career path for after college."

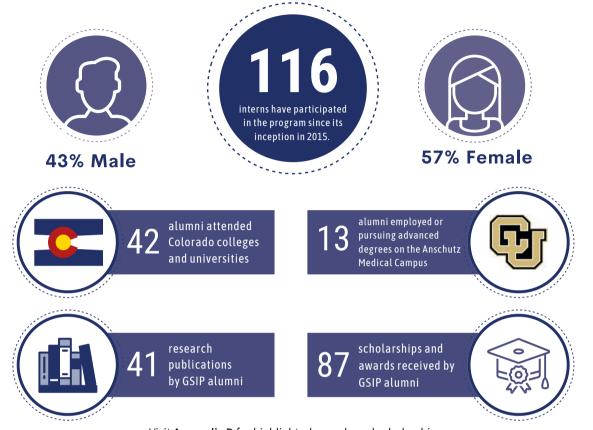
Bay Vagher ('2017)

Mentor: Yiqun Shellman, Ph.D.

*Visit **Appendix B** for a list of interns' undergraduate institutions by state.

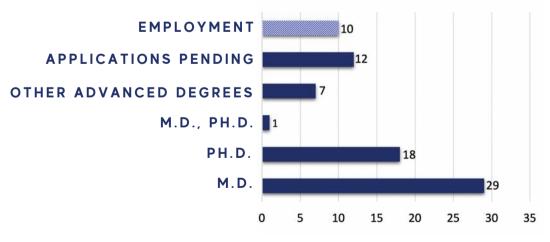
GSIP ALUMNI

BY THE NUMBERS



Visit **Appendix D** for highlighted awards and scholarships.

CAREER OUTCOMES



M.D. INCLUDES: M.D., B.A./.B.S.-M.D., and D.O.

ADVANCED DEGREES INCLUDE: D.V.M., J.D., M.P.H., AND M.E.M.

Visit Appendix C for a list of alumni graduate and medical Institutions.

VIRTUAL RESILIENCE —

THE GATES SUMMER INTERNSHIP DURING COVID-19

Without the ability to welcome interns to campus, our program's traditional structure was no longer a possibility. Adamant about honoring our commitment to these exceptional students, we pivoted to a virtual format.

After substantial negotiation and ongoing communication with everyone involved, and despite our inability to offer stipends due to COVID-19 University regulations, all 22 members of our Class of 2020 (four of whom are the first in their families to attend college) participated in a highly interactive, weekly Gates Summer Virtual Webinar series from June through August. Further, we were pleased to be able to arrange virtual internships for two seniors with GSIP mentors.



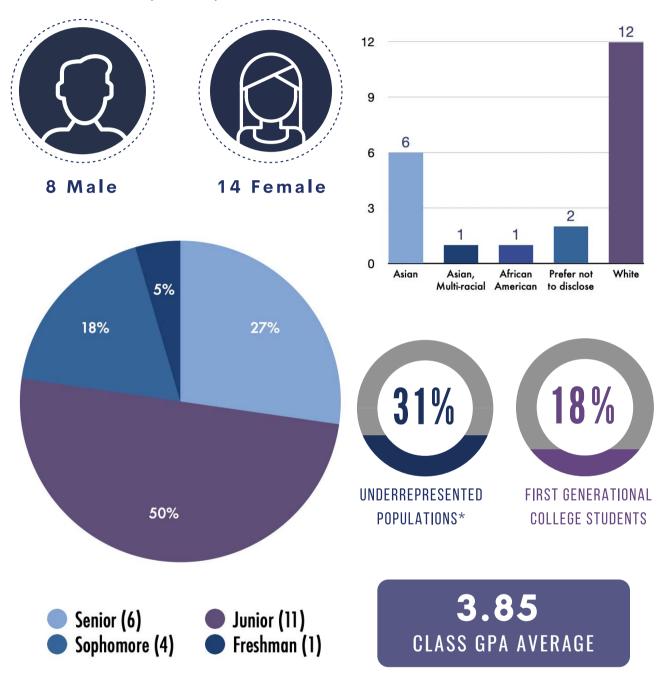
GSIP Class of 2020 during the final Zoom webinar

"I found the research extremely interesting and being able to interact with my fellow interns was really nice, especially given the fact that we weren't able to spend the summer with each other. It added a sense of normalcy to my summer, which was a lot more valuable than I realized."

- Anonymous response from the GSIP Class of 2020 Exit Survey

CLASS OF 2 20

The 22 students described below were accepted from a pool of 376 applicants from around the country and beyond.

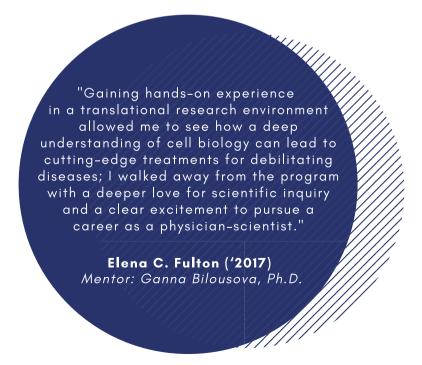


^{*}Underrepresented populations which include, but are not limited to, underrepresented ethnic groups, disabled persons, and those students who are economically disadvantaged, from rural areas, or first-in-family college graduates. For more information about the CU Denver | Anschutz Medical Campus commitment to diversity and equity, please visit <a href="https://example.com/here.c



INTO THE FUTURE

The Gates Center for Regenerative Medicine considers GSIP to be one of its most important offerings. Having the opportunity to inspire the next generation of investigators and clinicians is an enormous but gratifying responsibility. We appreciate the many people who have supported and collaborated with us in our effort to make a profound impact on these students and their future endeavors.

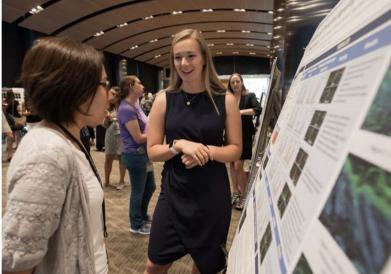
























APPENDIX —

- A. GSIP Class Lists and Photos (2015 2020)
- B. GSIP Undergraduate Institutions by State
- C. GSIP Graduate and Medical Institutions and Programs
- D. Highlighted Awards and Scholarships



Intern	Undergraduate Institution	Mentor	
Abigail Luman	University of Colorado Denver	Stanca Birlea, M.D., Ph.D.	
Paige Ostwald*	Colorado State University Dennis Roop, F		
Emily Paton	Santa Clara University	Antonio Jimeno, M.D., Ph.D.	
McKennah Repasky	Colorado State University	Xiao-Jing Wang, M.D., Ph.D.	
Frances Richardson	Colorado School of Mines	Neil Box, Ph.D.	
Madison Rogers	Duke University	Yiqun Shellman, Ph.D.	
Benjamin Rudeen	Yale University	Curt Freed, M.D.	
Weston Ryan	Syracuse University	Syracuse University Enrique Torchia, Ph.D.	
Nicholas Sarai	University of Colorado Denver	Mayumi Fujita, M.D., Ph.D.	
Hannah Spears	Lewis & Clark College	Kristin Artinger, Ph.D.	
Kaitlin Sweeney	Colorado School of Mines Karin Payne, Ph.D.		

^{*}Interns who have been accepted and completed two summer internships.



APPENDIX A | CLASS OF 2015 PAGE | 14



GSP GATES SUMMER INTERNSHIP PROGRAM CLASS OF 2016

Intern	Undergraduate Institution	Mentor
Smaranda Birlea	Georgia Institute of Technology	Xiao-Jing Wang, M.D., Ph.D.
Christopher Chow	University of Colorado Denver	Curt Freed, M.D.
Aastha Dhakal	The Ohio State University	Wallace Chick, Ph.D.
Sadie Doren	Syracuse University	Heide Ford, Ph.D.
Drew Dyson	Montana State	Karin Payne, Ph.D.
Stephanie Fukui	Miami University of Ohio	Enrique Torchia, Ph.D.
Ryo lwata	University of Florida	Peter Dempsey, Ph.D.
Daniel Kim	University of Colorado Boulder	Mayumi Fujita, M.D., Ph.D.
Jackson Knappen	The University of Alabama	Lori Walker, Ph.D.
Molly Kubesh	Colorado Mesa University	Paco Herson, Ph.D.
George Lampe	Middlebury College	Mark Petrash, Ph.D.
Dante Merrill	DePaul University	Tom Payne, Ph.D.
lan Minzer	UC San Diego	Antonio Jimeno, M.D., Ph.D.
Emma Office	Middlebury College	Joseph Brzezinski, Ph.D.
Paige Ostwald*	Colorado State University	Kristin Artinger, Ph.D.
Andrew Parker*	Amherst College	Neil Box, Ph.D.
Andrew Ramos	Syracuse University	Ganna Bilousova, Ph.D.
Andrew Strosnider	Metropolitan State University	Yiqun Shellman, Ph.D.
Michael Wright	University of Denver	Stanca Birlea, M.D., Ph.D.

^{*}Interns who have been accepted and completed two summer internships.



APPENDIX A | CLASS OF 2016 PAGE | 15



Intern	Undergraduate Institution	Mentor
Joy Abraham	Regis University	Joseph Brzezinski, Ph.D.
Michaela Berens	Middlebury College	Enrique Torchia, Ph.D.
Jerry Chang	Davidson College	Xiao-Jing Wang, M.D., Ph.D.
Alyssa Downey	University of Texas, El Paso	Matthew Seefeldt, Ph.D.
Nicholas Elder	Davidson College	Peter Dempsey, Ph.D.
Alisha Eskew	Colorado School of Mines	Curt Freed, M.D.
Nicholas Essek	University of Colorado	Shi-Long Lu, M.D., Ph.D.
Zachary Feuer*	Rensselaer Polytechnic Institute	Karin Payne, Ph.D.
Elena Fulton	University of Puget Sound	Ganna Bilousova, Ph.D.
Alanna Horton	Davidson College	Tamara Terzian, Ph.D.
Katherine Johnson	Middlebury College	Heide Ford, Ph.D.
Roshni Kalkur	Rensselaer Polytechnic Institute	Lori Walker, Ph.D.
Shannon McCallan	Northeastern University	Mayumi Fujita, M.D., Ph.D.
Tricia Oyster	Case Western Reserve University	Antonio Jimeno, M.D., Ph.D.
Jen Pakieser	Regis University	Stanca Birlea, M.D., Ph.D.
Andrew Parker*	Amherst College	Neil Box, Ph.D.
Matthew Ramsey	St. Olaf College	Paco Herson, Ph.D.
Sarah Seiwald	Regis University	Mark Petrash, Ph.D.
Bay Vagher	Fort Lewis College	Yiqun Shellman, Ph.D.
Oscar Yip	Occidental College	Kristin Artinger, Ph.D.

^{*}Interns who have been accepted and completed two summer internships.



PAGE | 16 APPENDIX A | CLASS OF 2017



GSP GATES SUMMER INTERNSHIP PROGRAM CLASS OF 2018

Intern	Undergraduate Institution	Mentor
Hiba Anwar	University of Colorado Boulder	Mayumi Fujita, M.D., Ph.D.
Lisa Blackmer-Raynolds	Colby College	Curt Freed, M.D.
Zachary Feuer*	Rensselaer Polytechnic Institute	Karin Payne, Ph.D.
Joseph Gerlach	Cornell University	Kristin Artinger, Ph.D.
Austin Hensley	Clemson University	Joseph Brzezinski, Ph.D.
Halley Herbst	University of Colorado Boulder	Peter Dempsey, Ph.D.
Ryan Lupi	Virginia Polytechnic Institute	Lori Walker, Ph.D.
Anne Lyons	University of Colorado Denver	Jeffrey Jacot, Ph.D.
Eleanor Mackintosh	Davidson College	Tamara Terzian, Ph.D.
Madeline Maloney	Middlebury College	Neil Box, Ph.D.
Sydney Marchando	Colorado School of Mines	Enrique Torchia, Ph.D.
Molly Murphy	University of Notre Dame	Shi-long Lu, M.D., Ph.D.
Khoa Nguyen*	University of Colorado Boulder	Xiao-Jing Wang, M.D., Ph.D.
Joseph O'Brien	Middlebury College	Holger Russ, Ph.D.
Austin Schoppe*	University of Texas, San Antonio	Ganna Bilousova, Ph.D.
Zachary Trottier	Carleton College	Stanca Birlea, M.D. Ph.D.
MacKenzie Walz	Regis University	Paco Herson, Ph.D.
Madison Weber	Bard College	Mark Petrash, Ph.D.
Drake West	University of Wisconsin, LaCrosse	Yiqun Shellman, Ph.D.
Grant Wilson	Azusa Pacific University	Antonio Jimeno, M.D., Ph.D.
Renee Woods	University of Colorado Denver	Michael Verneris, M.D.

^{*}Interns who have been accepted and completed two summer internships.



APPENDIX A | CLASS OF 2018 PAGE | 17



Intern	Undergraduate Institution	Mentor
Sukriti Bhattarai	University of Southern Mississippi	Shi-long Lu, M.D., Ph.D.
Iryna Chelepis	Utah Valley University	Neil Box, Ph.D.
Kelley Coakley	Regis University	Nidia Quillinan, Ph.D.
Kavya Ganuthula	University of Colorado Denver	Stanca Birlea, M.D., Ph.D.
Elizabeth Golding	Tulane University	Tania Reis, Ph.D.
Griffin Hampton	Colorado School of Mines	Kristin Artinger, Ph.D.
Drew Harrahill	University of Nebraska	Curt Freed, M.D.
Aiden Jacobs	University of Wisconsin, Madison	Holger Russ, Ph.D.
Maggie Jewett	University of Dayton	Jeffrey Jacot, Ph.D.
Madison Kraus	University of Nebraska	Beth Tamburini, Ph.D.
Stefan Marasligiller	Vanderbilt University	Tamara Terzian, Ph.D.
Anna Martch	Colorado Christian University	Enrique Torchia, Ph.D.
Isabella Martus	Middlebury College	Mark Petrash, Ph.D.
Khoa Nguyen*	University of Colorado Boulder	Xiao-Jing Wang, M.D., Ph.D.
Micaela Roy	Middlebury College	Angelo D'Alessandro, Ph.D.
Christopher Schaff	Colorado Mesa University	Joseph Brzezinski, Ph.D.
Marina Schlaepfer	Caldwell University	Lori Walker, Ph.D.
Austin Schoppe*	University of Texas, San Antonio	Karin Payne, Ph.D.
Emily Thomas*	The University of Oklahoma	Chelsea Magin, Ph.D.
Kaleb Todd	Fort Lewis College	Yiqun Shellman, Ph.D.
Ryan Tseng	University of Colorado Denver	Mayumi Fujita, M.D., Ph.D.
Anit Tyagi	University of Denver	Antonio Jimeno, M.D., Ph.D.
Kevin Winkler	University of Colorado Boulder	Michael Verneris, M.D.

^{*}Interns who have been accepted and completed two summer internships.



APPENDIX A | CLASS OF 2019 PAGE | 18

GSP GATES SUMMER INTERNSHIP PROGRAM CLASS OF 2020

Intern	Undergraduate Institution	Virtual Internship Mentor**
Gabriella Annest	University of California, Berkeley	Mayumi Fujita, M.D., Ph.D.
Chiara Dart	University of Colorado Boulder	Yiqun Shellman, Ph.D.

Intern	Undergraduate Institution	
Joseph Adjei	Rochester Institute of Technology	
Aleezah Balolia	University of Colorado Denver	
Evan Fedorov	Middlebury College	
Richard Granger	Davidson College	
Dustin Grossman	Georgia State University	
Roksana Korbi	Caldwell University	
Maureen McNamara	University of Colorado Boulder	
Parth Mody	The University of Pennsylvania	
Nupur Pandya	Virginia Commonwealth University	
Meet Patel	University of North Alabama	
Amrita Purkayastha	University of Colorado Boulder	
Arteen Rasti	Purdue University	
Melia Schaefer	The University of Oklahoma	
Karina Sharma	Middlebury College	
Natalie Shelden	The University of Colorado Boulder	
Elyse Smiley	Regis University	
Brooke Smith	High Point University	
Jimmy Tangchittsumran	University of Colorado	
Emily Thomas*	The University of Oklahoma	
Raechel Tittor	Missouri Western State University	

^{**}The program arranged virtual internships for two seniors with GSIP mentors.

^{*}Interns who have been accepted and completed two summer internships.



APPENDIX A | CLASS OF 2020 PAGE | 19

UNDERGRADUATE INSTITUTIONS BY STATE

<u>Alabama</u>

The University of Alabama University of North Alabama

California

Azusa Pacific University
Occidental College
Santa Clara University
University of California, San Diego
University of California, Berkeley

Colorado

Colorado Christian University
Colorado Mesa University
Colorado School of Mines
Colorado State University
Fort Lewis College
Metropolitan State University
Regis University
University of Colorado Boulder
University of Colorado Denver
University of Denver

Connecticut

Yale University

Florida

University of Florida

Georgia

Georgia Institute of Technology Georgia State University

Illinois

DePaul University

<u>Indiana</u>

Purdue University University of Notre Dame

Louisiana

Tulane University

Massachusetts

Amherst College Northeastern University

Maine

Colby College

Minnesota

Carleton College St. Olaf College

Mississippi

University of Southern Mississippi

Missouri

Missouri Western State University

Montana

Montana State University

North Carolina

Davidson College Duke University High Point University

Nebraska

University of Nebraska

New Jersey

Caldwell University

New York

Bard College Cornell University Rensselaer Polytechnic Institute Rochester Institute of Technology Syracuse University

Ohio

Case Western Reserve University Miami University of Ohio Ohio State University University of Dayton

Oklahoma

The University of Oklahoma

Oregon

Lewis & Clark College

Pennsylvania

The University of Pennsylvania

South Carolina

Clemson University

Tennessee

Vanderbilt University

Texas

The University of Texas, El Paso The University of Texas, San Antonio

Utah

Utah Valley University

Virginia

Virginia Commonwealth University Virginia Polytechnic Institute

Vermont

Middlebury College

Washington

University of Puget Sound

Wisconsin

University of Wisconsin, La Crosse University of Wisconsin, Madison

GRADUATE AND MEDICAL INSTITUTIONS AND PROGRAMS

California

University of California, San Francisco, Developmental and Stem Cell Biology

California Institute of Technology, Biochemistry and Molecular Biophysics University of California at San Diego

University of California San Francisco, Biomedical Sciences. Ph.D. Program

Colorado

Colorado State University

Colorado State University, Cell and Molecular Biology University of Colorado

University of Colorado Anschutz, Graduate Program in Cell Biology, Stem Cell and Development (CSD) University of Colorado Anschutz, Colorado School of Public Health

University of Colorado School of Medicine

Georgia

Emory University

Illinois

Northwestern University, Feinberg School of Medicine University of Chicago, Pritzker School of Molecular Engineering

Kansas

The University of Kansas, Bioengineering Program

Louisiana

Tulane University School of Medicine

Maryland

The Johns Hopkins University School of Medicine Uniformed Services University of the Health Sciences

Michigan

University of Michigan

University of Michigan, Genetic Counseling Program

<u>Missouri</u>

Washington University in St. Louis

Nebraska

Creighton University School of Medicine

New Hampshire

Thayer School of Engineering, Dartmouth

New York

Albany Medical College

Columbia University, Integrated Program in Cellular, Molecular, and Biomedical Sciences

Cornell University College of Veterinary Medicine Fordham University School of Law

Icahn School of Medicine at Mount Sinai, Biomedical Sciences

University at Buffalo, Jacobs School of Medicine University of Rochester School of Medicine

Ohio

Cleveland Clinic Lerner College of Medicine The Ohio State University College of Medicine University of Cincinnati College of Medicine

Pennsylvania

Thomas Jefferson University, Sidney Kimmel Medical College

Texas

Texas Technical University Health Sciences Center

Utah

University of Utah School of Medicine

Virginia

Liberty University College of Osteopathic Medicine University of Virginia School of Medicine University of Virginia School of Medicine, M.D./M.B.A. Program

Vermont

University of Vermont, Cellular, Molecular and Biomedical Sciences Program

International Universities

Germany

Georg-August-Universität Göttingen Molecular Medicine Graduate Program

Granada

St. Georges University School of Medicine

United Kingdom

University of Oxford, Graduate Entry/Accelerated Medicine University of Oxford, Radcliffe Department of Medicine

HIGHLIGHTED AWARDS AND SCHOLARSHIPS

Ruth L. Kirschstein National Research Service Award for Individual Predoctoral Fellows - F31 (1)
National Science Foundation Graduate Research Fellowship Program (4)
Barry Goldwater Scholarship Recipients (4)
Fulbright Grant Awardee (1)
Phi Beta Kappa (3)

HIGHLIGHTED AWARDS & SCHOLARSHIPS DESCRIPTIONS

F31 Ruth L. Kirshstein National Research Service Award (NRSA)

The purpose of this Kirschstein-NRSA program is to enable promising predoctoral students with potential to develop into a productive, independent research scientists, to obtain mentored research training while conducting dissertation research. The F31 is also used to enhance workforce diversity though a separate program. https://researchtraining.nih.gov/programs/fellowships/F31

NSF GFRP National Science Foundation Graduate Research Fellowship Program

The purpose of the NSF Graduate Research Fellowship Program (GRFP) is to help ensure the quality, vitality, and diversity of the scientific and engineering workforce of the United States. The program recognizes and supports outstanding graduate students who are pursuing full-time research-based master's and doctoral degrees in science, technology, engineering, and mathematics (STEM) or in STEM education. The GRFP provides three years of support for the graduate education of individuals who have demonstrated their potential for significant research achievements in STEM or STEM education. NSF actively encourages women, members of underrepresented minority groups, persons with disabilities, veterans, and undergraduate seniors to apply.

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=6201

HIGHLIGHTED AWARDS AND SCHOLARSHIPS

Barry Goldwater Scholarship

The Barry Goldwater Scholarship and Excellence in Education Foundation was established by Congress in 1986 to serve as a living memorial to honor the lifetime work of Senator Barry Goldwater, who served his country for 56 years as a soldier and statesman, including 30 years in the U.S. Senate.

By providing scholarships to college sophomores and juniors who intend to pursue research careers in the natural sciences, mathematics and engineering, the Goldwater Foundation is helping ensure that the U.S. is producing the number of highly-qualified professionals the Nation needs in these critical fields. Over its 30-year history, Goldwater Scholarships have been awarded to thousands of undergraduates, many of whom have gone on to win other prestigious awards like the National Science Foundation's Graduate Fellowship, Rhodes Scholarship, Churchill Scholarship and the National Defense Science and Engineering Graduate Fellowship that support our Scholars' graduate school work. Today, Goldwater alumni can be found conducting research that is helping defend the Nation, finding cures for catastrophic diseases and teaching future generations of scientists, mathematicians and engineers.

https://goldwater.scholarsapply.org

Fulbright US Student Program

The Fulbright U.S. Student Program provides grants for individually designed study/research projects or for English Teaching Assistant Programs. A candidate will submit a Statement of Grant Purpose defining activities to take place during one academic year in a participating country outside the U.S.

During their grants, Fulbrighters will meet, work, live with and learn from the people of the host country, sharing daily experiences. The program facilitates cultural exchange through direct interaction on an individual basis in the classroom, field, home, and in routine tasks, allowing the grantee to gain an appreciation of others' viewpoints and beliefs, the way they do things, and the way they think. Through engagement in the community, the individual will interact with their hosts on a one-to-one basis in an atmosphere of openness, academic integrity, and intellectual freedom, thereby promoting mutual understanding. https://us.fulbrightonline.org/about/fulbright-us-student-program

Phi Beta Kappa Society

Since 1776, Phi Beta Kappa has championed education in the arts and sciences, fostered freedom of thought, and recognized academic excellence. 10% of U.S. colleges and universities have Phi Beta Kappa chapters. These chapters select only 10% of their arts and sciences graduates to join.

https://www.pbk.org/About

Thank you to all who have supported the Gates Summer Internship Program.



"We have treasured being part of the development and growth of this program. We are thrilled about the impact it has had on its participants who have gone on to pursue a variety of educational career paths."

-Rhondda and Peter Grant

To learn more about the program, please contact us.

CU Anschutz, MS 8622 | 12700 E. 19th Avenue | Aurora, CO 80045

P: 303-724-6143 | gsip@ucdenver.edu | GSIP Website



