# **IPHY Graduation Ceremony**

Honoring Graduating Students from the Department of Integrative Physiology

CU Events Center May 09, 2024 2:00PM





INTEGRATIVE PHYSIOLOGY UNIVERSITY OF COLORADO BOULDER

Welcome	Marissa Ehringer, Professor and Chair
Graduate Degree Recognition Doctor of Philosophy Master of Science (includes dual BA/Accelerated MS)	Christopher Link, Associate Professor
Undergraduate Student Award Recognition Sophia Blasco, Fred R. Murphy Award	Teresa Foley, Associate Chair of Undergraduate Affairs
Undergraduate/Graduate Student Speaker Nora Want, BA/Accelerated MS graduate	Teresa Foley, Associate Chair of Undergraduate Affairs
Undergraduate Degree Recognition	Teresa Foley, Associate Chair of Undergraduate Affairs

### **Department of Integrative Physiology**

#### Mission Statement

Bachelor of Arts

The mission of the Department of Integrative Physiology is to offer a flexible curriculum that can prepare students for a broad range of career options; to generate and disseminate knowledge relevant to our disciplines; and to contribute service to our affiliated communities.

#### **Vision Statement**

The vision of the Department of Integrative Physiology is to be recognized as a leader in innovative educational and research programs focused on advancing our understanding of health and function across the lifespan.

### Diversity Statement—Bring Your Whole Self to IPHY

Integrative Physiology is committed to inclusion across race, gender, age, culture, religion, identity, and experience. Our approach to diversity, equity and inclusion ties to our overall IPHY Mission and Vision. We recognize that innovation in everything we do is enhanced by our unique perspectives and viewpoints. Therefore, we dedicate ourselves to (1) providing support and resources to our underrepresented students, faculty, and staff in achieving their career and personal goals, (2) promoting an environment free from systemic racism and other implicit and explicit biases, and (3) offering activities that foster and empower a respectful, cohesive, and strong community. We embrace all members of the IPHY community and encourage their engagement in these processes.

#### What We Do

Physiology is the field of biology that studies life processes. The Department of Integrative Physiology studies how life processes at the molecular, cellular, tissue, and organismic levels are integrated and function. The program of study emphasizes both the role of physical activity in health and function across the lifespan, and the responses of different organisms to various forms of stress. Our multidisciplinary teaching program requires students to take foundational courses in anatomy, biochemistry, mathematics, physics, physiology, and statistics. With this basic knowledge, students can undertake a flexible curriculum that includes the study of biomechanics, cell physiology, endocrinology, exercise physiology, sleep physiology, immunology, and neurophysiology. The department also encourages student participation in research.

### **Faculty**

#### Tanya L. Alderete, Ph.D.

(University of Southern California), Assistant Professor Dr. Alderete's research focuses on the causes and consequences of

Dr. Alderete's research focuses on the causes and consequences of obesity and type 2 diabetes. This Currently, Dr. Alderete is interested in determining whether obesity and/or insulin resistance are associated with increased exposure to air pollutants through alterations in the gut microbiome. Dr. Alderete teaches undergraduate biostatistics and graduate data literacy in biomedical research for the department.

#### Albert Angiolillo, M.S.

(University of Colorado Boulder), Assistant Teaching Professor Professor Angiolillo teaches human anatomy and nutrition for the department.

#### Heidi Bustamante, M.S.

(University of Colorado Boulder), Associate Teaching Professor Heidi Bustamante teaches human anatomy and physiology lecture and labs for the department and the Health Professionals Residential Academic Program (HPRAP). In addition to these staple courses, she also teaches pathophysiology of disease for the department. Other duties include being a faculty advisor for the IPHY Student Club.

#### Janet Casagrand, Ph.D.

(Case Western Reserve University), Associate Teaching Professor Dr. Casagrand teaches a variety of courses including neurophysiology, endocrinology, human physiology, and physiology lab. She engages at the national level to develop teaching resources for educators and at the campus-level to enhance faculty experiences with teaching technologies.

#### Christopher DeSouza, Ph.D.

(University of Maryland), Professor

Dr. DeSouza's research focuses on the effects of aging, cardiovascular and metabolic risk factors, HIV-1, and habitual physical activity on vascular endothelial vasodilator and thromboresistant properties. He teaches undergraduate exercise physiology and human physiology for the department.

#### Marissa A. Ehringer, Ph.D.

(University of Colorado School of Medicine)

**Professor and Department Chair** 

Dr. Ehringer's research studies genes and biological pathways associated with increased risk for nicotine, alcohol, and opioid use disorders. Her trainees apply human statistical genetics analyses, in vitro molecular studies, and rodent genetic models. The goal of these studies is to identify risk factors and possible new targets for treatment of substance use disorders.

#### Roger Enoka, Ph.D.

(University of Washington), Professor

Dr. Enoka's research examines the impact of changes in the function of the nervous system on movement capabilities in humans. This work focuses on the control of movement by older adults, the development of unexplained muscle fatigue with healthy aging, and the symptomatic fatigue reported by persons with neurological illnesses, especially multiple sclerosis. He teaches undergraduate and graduate neurophysiology for the department.

#### Monika Fleshner, Ph.D.

(University of Colorado Boulder), Professor

Dr. Fleshner's research program focuses on understanding:
1) the impact of acute and chronic stressor exposure (mental and physical) on behavior, neural, hormonal and immunological function; 2) how such systems interact to affect the whole organism; and 3) the mechanisms of increased stress robustness (resistance/resilience) produced by exercise, prebiotics and cannabis constituents. She teaches undergraduate and graduate immunology for the department.

#### Maureen Floriano, Ph.D., MPH

(Case Western Reserve University), Assistant Teaching Professor Dr. Floriano's anthropology and public health doctoral research involved understanding how patients of an overdose education and naloxone distribution (OEND) clinic conceptualized their substance use disorder (SUD). She is responsible for teaching epidemiology and global public health for the department. In addition, she helps advise students interested in the Undergraduate Certificate in Public Health.

#### Teresa Foley, Ph.D.

(University of Colorado Boulder), Teaching Professor of Distinction Dr. Foley teaches a broad range of upper-division IPHY courses, including epidemiology, immunology, endocrinology, and exercise physiology. In addition to her teaching responsibilities, she works closely with IPHY faculty on curriculum design and assessment of the undergraduate program.

#### Alena M. Grabowski, Ph.D.

(University of Colorado Boulder), Associate Professor Dr. Grabowski's primary research interests lie within the fields of human physiology, biomechanics and mechatronics. Her research characterizes walking, running, hopping, jumping, bicycling, and sprinting, and investigates the effects of implementing lower limb assistive devices such as prostheses, orthoses, exoskeletons, weight support systems and sports equipment on people with and without physical impairments. She teaches undergraduate and graduate biomechanics for the department.

#### Ruth Heisler, M.A.

(University of Colorado Boulder), Teaching Professor of Distinction Professor Heisler teaches human anatomy, trains student dissecting interns in the anatomy labs, and has recently developed and taught two courses aimed at helping students transition into college and prepare to graduate. She is active in creating educational materials to assist students in their learning, and has authored a variety of lab manuals, interactive online materials, and atlases.

#### Steven Hobbs, Ph.D.

(University of Colorado Boulder), Associate Teaching Professor Dr. Hobbs teaches anatomy, physiology, and biostatistics for the department. His doctoral research focused on the neuroendocrinology of brain aging and Alzheimer's disease where he examined the effects of stress hormones (cortisol) on neurodegeneration and other brain pathologies in non-transgenic animals.

#### Charles A. Hoeffer, Ph.D.

(University of Arizona), Associate Professor

Dr. Hoeffer's primary research interests are related to the understanding of molecular signaling pathway dysfunction in the manifestation of neurological disorders and neurodegenerative diseases. His research specific interests are in neuronal mechanisms of translational control in synaptic plasticity and memory, phosphatase regulation in Down syndrome, and in synaptic function in Tauopathies. He teaches undergraduate cell physiology and graduate neurobiology of aging/neurogenerative disease for the department.

#### Sewan (Peter) Kim, Ph.D.

(University of Colorado Boulder), Assistant Teaching Professor Dr. Kim has a background in exercise science. His research examined thermoregulatory responses to exercise in athletes. He hopes to continue promoting and improving health and performance in individuals. He teaches exercise physiology, statistics, and nutrition.

#### Monique K. LeBourgeois, Ph.D.

(University of Southern Mississippi), Associate Professor Dr. LeBourgeois' research focuses on developmental changes in sleep and circadian physiology in early childhood, as well as the health and developmental consequences of challenging these homeostatic and circadian systems. In particular, she is interested in understanding the role of misalignment of sleep and circadian rhythms in the development of mental illness and chronic disease. Dr. LeBourgeois was awarded a 3-year invited honor fellowship at the University of Queensland.

#### Christopher D. Link, Ph.D.

(University of Massachusetts, Amherst), Associate Professor Dr. Link's primary experimental approach is to genetically engineer a well-studied model organism (the nematode worm *C. elegans*) to express human proteins believed to cause neurodegenerative diseases, with the goal of understanding how these proteins cause neuronal dysfunction. Current studies include characterization of proteins involved in amyotrophic lateral sclerosis (Lou Gehrig's disease) and understanding the basic biology of Down syndrome. He teaches cell physiology for IPHY.

#### Christopher A. Lowry, Ph.D.

(Oregon State University), Professor Associate Chair of Faculty Affairs

The research performed by Dr. Lowry focuses on stress-related physiology and behavior with an emphasis on the role of serotonin, a chemical signaling molecule in the body and the brain. He teaches undergraduate and graduate immunology and graduate microbiome for the department.

#### Tammy Maldonado, Ph.D.

(University of Colorado Boulder), Assistant Teaching Professor Dr. Maldonado teaches scientific writing and biology of human reproduction for the department. She is also involved in science education research to examine how students learn and improve teaching strategies.

#### Russell Moore, Ph.D.

(Washington State University), Professor Executive Vice Chancellor for Academic Affairs, and Provost In addition to being a member of the faculty in the Department of Integrative Physiology at CU-Boulder, Professor Moore is an adjunct faculty member in the Department of Medicine (cardiology) at the University of Colorado Health Sciences Center in Denver. Dr. Moore's research emphasis is on the cellular adaptability of the heart to physiological (exercise training, nutritional intervention) and pathological (heart failure) stress.

#### Mark R. Opp, Ph.D.

(Washington State University, Pullman), Professor

Dr. Opp's research programs aim to elucidate sleep-immune interactions, specifically the role of chronic insufficient sleep in the etiology of inflammatory disease. Current projects use mouse models to determine mechanisms by which sleep disruption contributes to musculoskeletal pain, traumatic brain injury, and metabolic dysregulation. He teaches undergraduate sleep physiology for the department.

#### Rachel K. Rowe, Ph.D.

(University of Kentucky, Lexington), Assistant Professor Dr. Rowe's research focuses on the bidirectional relationship between pathological inflammation and sleep. Current projects investigate the relationship between sleep, traumatic brain injury, and neurodegenerative diseases. Ongoing studies also examine the relationship between pediatric brain injury, endocrine dysfunction, and sleep-wake disturbances. Dr. Rowe's laboratory provides scientific training from the undergraduate to the post-graduate level. She teaches sleep physiology and sleep medicine for the IPHY.

#### Leif Saul, Ph.D.

(University of California, Berkeley), Associate Teaching Professor Dr. Saul teaches the human anatomy and human physiology lecture courses, dissects human cadavers, and trains undergraduate assistants in the human anatomy laboratory. He also designs and maintains the department's website and creates illustrations and cartoons for education and outreach in biology.

#### Amanda Schaetzel, Ph.D.

(University of Colorado, Boulder), Assistant Teaching Professor Dr. Amanda Schaetzel teaches human anatomy (in-person and online), medical terminology (in-person and online), and the History of Medicine (Education Abroad). She also serves as the IPHY Liaison in which she helps with the development of online classes.

#### Douglas R. Seals, Ph.D.

(University of Wisconsin-Madison), Distinguished Professor Dr. Seals' research focuses on the influence of aging on physiological Dr. Seals' research focuses on the influence of aging on physiological function, including vascular, motor, and cognitive impairments. The laboratory's primary emphasis is determining the effectiveness of lifestyle and pharmacological strategies for optimizing physiological function with aging, and the biological mechanisms by which these benefits are conferred. He teaches physiology of aging, professional skills and human physiology for IPHY.

#### Jia Shi, M.D., Ph.D.

(Guangxi Medical University, China; Boston University) Associate Teaching Professor

Dr. Shi coodinates the human physiology lab course and teaches immunology and pathophysiology for the department. In addition, she is the faculty sponsor managing the departmental internship for credit program.

#### Jerry A. Stitzel, Ph.D.

(Johns Hopkins University), Professor

Dr. Stitzel's main research interest is the use of genetic strategies to identify the underlying biological bases for the behavioral and physiological actions of nicotine and psychiatric conditions that are often co-morbid with nicotine use. Several projects in the lab focus on a genetic variant that increases risk for nicotine dependence and schizophrenia. Recently, the lab has initiated studies to determine the effect of nicotine consumption and withdrawal on sleep. He teaches undergraduate and graduate physiological genetics for the department.

#### Nicole Stob, Ph.D.

(Colorado State University), Assistant Teaching Professor Dr. Stob teaches several nutrition courses for the department, Continuing Education, and the Health Professions Residential Assistance Program (HPRAP). She is a faculty advisor for the Nutrition Buffs, the CU Boulder nutrition club.

#### Andrew Tan Ph.D.

(Northwestern University), Assistant Professor

Dr. Tan's lab investigates the biomechanical constraints and the neurophysiological mechanisms underlying sensorimotor recovery following spinal cord injury. His research focus is developing neurorehabilitation strategies that induce adaptive reorganization in the nervous system, leading to gains in motor function and improved quality of life in people with paralyses. He teaches undergraduate biomechanics and a graduate course in neuromechanics.

#### Pei-San Tsai, Ph.D.

(University of California, Berkeley),

Professor

Dr. Tsai's research focuses on the regulation of reproductive processes by hormones from the brain. She is interested in how these hormones contribute to the development of reproductive function and how sex steroid hormones, such as androgens and estrogens, regulate reproduction during various stages of life. She teaches undergraduate and graduate endocrinology for the department.

#### Kenneth P. Wright Jr., Ph.D.

(Bowling Green State University), Professor of Distinction Associate Chair of Graduate Affairs

Professor Wright's research is aimed at explaining the physiology of sleep and internal circadian clock, understanding the health and safety consequences of sleep loss such as obesity, diabetes, and impaired cognition, and applying that knowledge to improve public health and safety. His research is also aimed at developing measures to promote sleep, wakefulness and health. He teaches undergraduate and graduate sleep physiology.

#### Staff

Marsha Cook, Faculty and Curricular Affairs Manager Lucas Eads, Finance and Operations Manager Eric Heltne, IT Specialist Brandon Michieli, Graduate Program Administrator Clara Perkins, Human Resources Coordinator Angela Stansbury, Undergraduate Program Coordinator Trisha Ward Brooks, Finance and Grant Administrator Paula Yamashita, Lab and Research Manager

### **Placement of Graduates**

### **Doctor of Philosophy**

Ryan Alcantara (2021, Grabowski Lab) – biomechanics researcher, Apple, San Francisco, California

Kelly Stockelman (2021, DeSouza Lab) – coronary senior clinical specialist, Abbott Vascular, Denver, Colorado

Kelsey Loupy (2020, Lowry Lab) – clinical research & development scientist, SomaLogic, Boulder, Colorado

Robyn Capobianco (2018, Enoka Lab) – vice president clinical affairs, SI-Bone, Austin, Texas

Rachel Gioscia (2016, Seals Lab) – MD and anesthesiology resident, University of Michigan, Ann Arbor, MI

Tina Burke (2011, Wright Lab) – director, Behavioral Biology Branch, Center for Military Psychiatry & Neuroscience, Walter Reed Army Institute of Research Silver Spring, MD

#### **Master of Science**

Jakob Morawiec (2020, Ehringer Lab) – first year medical student, Rocky Vista University, Boulder, Colorado

Derek McCartney (2018, McQueen Lab) – business development manager, NorthWest in N. America, Denver

Justin Moreng (2018, Byrnes Lab) – senior data analyst, The North Face, Denver, Colorado

Bryant Pham (2016, Kram Lab) – assistant professor, Denver College of Nursing, Denver, Colorado

Joseph Hennessey (2012, Fleshner Lab) – senior UI/UX application engineer, NVIDIA, Arvada, Colorado

Brianna Loughridge (2012, Fleshner Lab) – veterinarian, THRIVE Affordable Vet Care, Denver, Colorado

Lauren Pierpoint (2011, Enoka Lab) — owner, Pierpoint Analytics, LLC, New York, New York

#### **Bachelor of Arts**

Elizabeth Phillips (2021) — student, University of Montana Physical Therapy Program, Missoula, Montana

Shane Nau (2015, LeBourgeois Lab) – ophthalmology resident, CU Anschutz, Denver, Colorado

Annie Miller (2015, Tsai Lab) — medical science liaison, Sanofi Genzyme, Denver, Colorado

## **Doctor of Philosophy Graduates**

#### **Matthew Adkins**

B.S., University of Nebraska Medical Center M.S., University of Nebraska Medical Center Dissertation: Sleep inertia and human cognition

Advisor: Dr. Kenneth Wright

#### **Zane Colvin**

B.S, University of Colorado Boulder M.S., University of Colorado Boulder

Dissertation: Effects of device configuration on the physiology and biomechanics of people with lower limb disability during

walking and skating

Advisor: Dr. Alena Grabowski

#### **Robert Courter IV**

B.S, University of Virginia

M.S., University of Colorado Boulder

Dissertation: Movement Vigor in Multiple Sclerosis:

Advisor: Dr. Alaa Ahmed

### A Neuroeconomics Perspective

### **Master of Science Graduates**

#### Leen Abbas

B.A., University of Colorado Boulder

Research Project: Social Jetlag in 2- to 12-yr old Children Advisor: Dr. Monique LeBourgeois and Dr. John Harsh

#### **Lila Burnley**

B.A., University of Colorado Boulder Coursework only

Advisor: Dr. Kenneth Wright

#### Sophia Choubai

B.A., University of Colorado Boulder

Research Project: Social Jetlag & Body Mass Index (BMI) in

Advisor: Dr. Monique LeBourgeois and Dr. John Harsh

#### Sarila Ekin

B.A., University of Colorado Boulder

(Bachelor's Accelerated Master's program)

Research Project: The Effect of a Prebiotic Diet on Sleepiness, Cognition, and Mood during Combined Sleep Restriction and

Circadian Misalignment Advisor: Dr. Kenneth Wright

#### **Thomas Hembree**

B.S, Purdue University

Research Project: The Effect of Repetitive Acute Intermittent Hypoxia on Corticospinal Excitability to the Tibialis Anterior

Advisor: Dr. Andrew Tan

#### **Nathan Greenberg**

B.S, DePauw University

M.S., University of Colorado Boulder

Dissertation: The role of the gut microbiome in modulating arterial dysfunction with aging

Advisor: Dr. Douglas Seals

#### Caelyn Hirschman

B.S., Regis University

M.S., University of Colorado Boulder

Dissertation: The Biomechanics and Physiology of Human Locomotion With and Without Assistive

Devices: Applications to Device Design

Advisor: Dr. Alena Grabowski

#### William Patterson

B.A, Gettysburg College

M.S., Tufts University

Dissertation: Exposure to Ambient Air Pollutants: Implications for Human Metabolism and Multi-omics

Profiles

Advisor: Dr. Tanya Alderete

#### Angelina Kuzma

B.A., University of Colorado Boulder

(Bachelor's Accelerated Master's program)

Research Project: The behavioral impacts of Long Covid associated neuroinflammation post "multihit" of S1 + LPS

Advisor: Dr. Monika Fleshner

#### Riley Morgenthaler

B.A., University of Colorado Boulder

Coursework only

Advisor: Dr. Kenneth Wright

#### **CeAnn Udovich**

B.S., Colorado State University

Research Project: Completion of a 4,486 km multi-stage ultramarathon increases arterial stiffness and endothelial

oxidative stress in middle-aged adults

Advisor: Dr. Douglas Seals

#### **Nora Want**

B.A., University of Colorado Boulder

(Bachelor's Accelerated Master's program)

Research Project: Impacts of traumatic brain injury and an FGF-enhancing drug on female reproduction and marker

gene expression

Advisor: Dr. Pei-San Tsai

### **Latin Honors**

Students typically begin working on honors thesis projects in their junior year and defend their thesis in their senior year. CU Boulder's thesis process is one of the most rigorous in the nation, which means that students who graduate with honors (4-7% of each graduating class) have successfully gone above and beyond their peers not only at CU Boulder but nationwide. Designations are: Summa cum laude (With Greatest Honor); Magna cum laude (With Great Honor).

Hannah Archer Summa cum laude

Advisor: Dr. Alena Grabowski

Title: Can biomechanical variables and asymmetry predict

stress fractures in collegiate distance runners?

Sophia Blasco Summa cum laude

Advisor: Dr. Steven Hobbs

Title: Position of the Superior Sagittal Sinus in Pediatric Sphenofrontal Craniosynostosis: Can We Trust the Sagittal Suture as a Landmark for the Underlying Superior Sagittal Sinus?

Sarina Borden Summa cum laude

Advisor: Dr. Christopher Lowry

Title: The effects of Mycobacterium vaccae ATCC 15483 on hippocampal NIrp3 mRNA expression in male and female mice that have undergone circadian disruption of rhythms and been

fed a Western diet

Nicole Couillard Magna cum laude

Advisor: Dr. Rachel Rowe

Title: Endocrine dysfunction following diffuse traumatic brain

injury in male and female juvenile rats

Arya Dhungana Summa cum laude

Advisor: Dr. Kenneth Wright

Title: Trait-like Vulnerabilities to the Time-on-Task Effect During Combined Sleep Restriction and Circadian Misalignment

Tina Nguyen Summa cum laude

Advisor: Dr. Monika Fleshner

Title: The SARS-CoV-2 S1 spike protein subunit potentiates the neuroinflammatory response to a subsequent

immune challenge

Callie Noar Summa cum laude

Advisor: Dr. Alexandra Whiteley (BCHM)

Title: Inhibiting PEG10 Autoproteolytic Activity as a Novel

Therapeutic Approach for Familial ALS

Ashleigh Parish Cum laude

Advisor: Dr. Grace Rexroth (EDUC)

Title: Learning Assistants' Impact in English Classrooms

Anya Schroeter Summa cum laude

Advisor: Dr. Tanya Alderete

Title: Adverse Social Determinants of Health and Food Swamps are Associated with Individual Dietary Patterns in Postpartum Latino Women Living in Southern California

Mena Woyciehowsky Summa cum laude

Advisor: Dr. Amy Palmer (BCHM)

Title: Zinc: A Cause or Consequence of Breast Cancer

### Fall 2023 Bachelor of Arts Graduates

Nicole Adkins
Aspen Allsop
Logan Anchick
Haley Anderson
Peter Ash
Ainsley Baker
Shanti Baumangelis
Anissa Becerra
Mirelyse Burge
Aisha Chugh
Carla Cobos-Hernandez
Taylor Confar
Kaitlyn Cozart

Alex Croitoru
Taryn Egaas
Jonathan Epperson
Emma Forrester
Kennedy Graves
Alexander Hahn
Paige Hardy
Learta Hasangjekaj
Jayden Heukels
Mason Kane
Brian Kim
Sigrid Kite
Danielle Knaus

Kelsie Koch
Priya Kodenkandath
Isabella Kolodziej
Adam Kulakowski
Andrew LaPenta
Sarah Lastition
June Seo Lee
Ella Lindberg
Alexis Macha-Astorga
Hung Mai
Ellyn Malfeld
Makenna May Jr.
Julia Mulhall

Isaac Mun
Grace Neff
Cindy Nguyen
Sam Nguyen
Rivenna Olden
Sarah O'Sullivan
Charles Parr
Morgan Riddle
Jason Rivera
William Rose
Till Rosskamp
Hannah Sherwood
Zoey Shutes

Drew Sotebeer
Jazmine Striegel
Jada Taylor
Brett Van Marter
Brooke Vercauteren
Kacey Ward
Hannah Watts
Meheret Wendemkun
Lawrence West
Giovanni Wilson

# **Spring & Summer 2024 Bachelor of Arts Graduates**

**Annabelle Adler Caroline Aki Macy Ambrose Shristi Anand** Isabel Angola-Medina Ashwini Anupindi Sarah Appleton **Hannah Archer Georgia Armatas Sydney Armstrong** Reina Arora **Danielle Ashton Ashley Auld** Isabella Avdem Alex Ayzman Anna Bajaj **Lillian Bannister Nicholas Barry Jacob Barsness** Micah Bast **Catherine Bates** Jessica Bennett **Auburn Berry** Sophia Blasco **Connor Blum** Jennifer Bockius Sarina Borden Josie Bordewick **Lucy Bowlby Jacob Bradley Taylore Braeger Jack Braney Ashley Breitman Amelia Bretz Darby Brown Georgia Brown Tyler Buffington** Madina Buhendwa-Ntiarha **Lucy Butler** Isabella Caccia **Sophia Calkins Sydney Campbell Cade Carroll Kevin Carter Leah Carter Nicholas Cartwright Rachael Castor** Maya Cedro **Paola Chacon** Wesley Clason **Liam Clevenger Acacia Cofman** Jessica Cohen **Natalie Cohlmia** Mitchell Cole **Anza Connaughton Carolyn Conway Laura Cook** Savannah Cook **Zachery Cooper** 

**Audrey Corrado** 

**Elizabeth Cotter Nicole Couillard Alison Cross** Zachary D'Amico **Bodie Daubert** Valentina DelChiaro Diego DelReal Margarita Denkova **Payton Dethlefs** Arya Dhungana Anastasia Dinescu **Lucy Dorado Elizabeth Doty** Veronika Dunker Sennen Eberly Virginia Edwards **Daniel Egan Rylee Ehnes** Lauren Ehrlich Samantha Einstein Jamaika Elliott **Ryan Engs Rori Escalante** Ivy Eski Callie Ewy Alvssa Faigal Gabriella Falbo **Shirley Feng Alexandra Ferguson Ethan Ferkich** Mikaela Ferraro **Marithza Flores Cavo Fontana Brooke Fowler Brooke Francone** Isaac Freehling Lydia Fry **Haley Fukunaga Colette Gagne** Isabella Galvin **Abigail Garber Anthony Garcia Kotryna Gausas** Chelsea Gause Shifa Gawandi **Tucker George** Sophia Gerber **Emma Giacomini Bryson Gibson** Kiara Gill **Lily Gillis** Aiden Gloyd **Dylan Gray** Jada Green Sam Grubb **Brennah Guerrero Matthew Hagan Fatimah Hall** 

**Shaolong Hall** 

Sophia Haller

Sarah Halperin

**Tegan Hammell David Hand Emma Hanson Katelyn Hanson Maxwell Harris** Zoe Hatch Michael Hatchell II Sophia Healy **Lauren Hendy Brendon Himes Haley Hirshland Jadon Holliday** Megan Hoodmaker **Anna Hoyt Quyen Hua Nell Hubbard Morgan Hughes Bridget Hurley Harrison Hutchings** Jaqueline Ibarra-Zavala **Jack Irgens** Alexis Jaggi **Kelly Janetzko Emily Jaramillo Evan Johnson** Jordan Johnson **Kaitlyn Johnson Taylor Johnson Camryn Kachel** Abtin Kargarzadeh Sarah Kassel Aiden Kboudi **Mariam Kefelew** Theodora Kelly **Grace Kenny** Kendall Kessler Tae Kim **Rachel Kochevar** Meghan Kozole **Gabrielle Kraemer Sidney Kuerbis Jaidyn Landers** Elina Landrum **Lauren Lanzet Payton Lehnerz Brennyn Lewis** Ryan Lindrud **Ashley Lindsey Ariana Lipton Kenna Livingston Barbara Lovrien Kaitlyn Luce** Elissa Maalouf **Benjamin Marcoux** Jacqueline Martensen **Carly Martin Ayush Mathur** Allyson May Lauren McCabe

**Gwendolyn McGarry** 

**Carson McKenna** 

**Avery McMullen** Alyssa Medina **Evan Meeks Benjamin Meiser Dominic Michelotti** Michaela Miles **Corbin Miller** Mia Mills Sofia Miranda-Santis Cade Moore Jorge Morales Claire Muckle **Bellamy Mullen Alexia Narro** Areeba Nauman Jayden Newkirk Alexandra Nguyen Lucie Nguyen Tina Nguyen **Callie Noar Katelyn Noyes Kotryna Obergfell** Cassandra Oberholtzer **Anamaria Padilla Audrey Pallai Ashleigh Parish Dongjay Park Abbey Parkes** Samantha Payne **Wyatt Peralta** Alyssa Pesce Ella Peterman **Elizabeth Petito Chase Phillips Paige Pierce Charles Pillsbury** Isabelle Plummer **Nyla Prasad** Maren Quintella Amnah Qureshi William Ramirez-Lopez **Reilly Rapoport Ronald Rauscher Gainer Riley** Madilyn Risch Jordan Rockwood **Anthony Rosato** Joshua Rosen **Shanna Rowe Alexandra Rowland** Leah Rudibaugh Tessa Ruiz **McKinley Rump** Jade Ryan Anastasia Rye-Kirova Adriona Salgado **Julia Salomon Margo Salyers** 

**Jack Salzmann** 

**Caleb Sanderson** 

**Anabella Sandoval** 

Melina Sarju **Chloe Schmidt Devon Schmidt Devin Schmuckal** Simon Schroeder-**Bermudez** Anya Schroeter Ellie Schuhwerk **Zackry Schultz** Sol Segura Cayla Serna Sarah Seyoum **Anya Shah** Victoria Shoykhet **Isaiah Shurtleff** Malena Singh **Bailey Sklavanitis Kylie Smith** Alina Somorin Yoori Son **Rene Spar** Hanna Spracklin **Edward Stassi Callison Stern** Ella Stolier **Anna Stone** Erin Stricker **Valentina Tarrant Logan Tarutis Elizabeth Taylor Jasmine Tensun Kiranpreet Thiara Michael Thomas Surf Thompson Alexander Thomson David Toeller** Samuel Tomashek **Leilu Towery** Longi Tuzizila Michelle Valdez Whitney Valenti Ashli VanHyfte Julia VanWynen **Charles Vanderberg** Sara Virostek **Thomas Voiles** Gabrielle Wahl Ella Walker **Shelby Watson Nolan Watts Kendra Wegerson Dylan Weiss Emma Wetzig** Francesca Williams Kelli Wills Samantha Woods Mena Woyciehowsky **Thomas Wynne Rebekah Yohanes Haoting Zhang** Vanessa Zuckerman