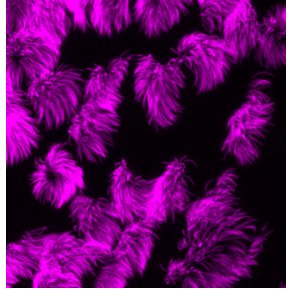
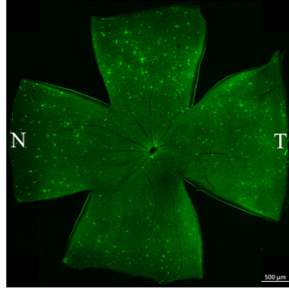




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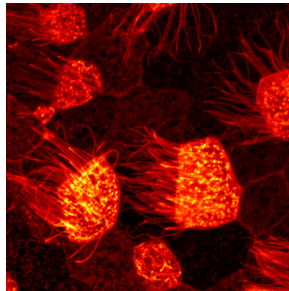


# Department *of* Biology

## Class of 2024

Diploma Ceremony

May 18, 2024



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# The Ceremonial Mace

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The Mace symbolizes the defense of intellectual freedom and the authority of the departmental faculty, derived from the University and Commonwealth to award diplomas and honors. Academic maces come in a variety of forms, from the gilded to the whimsical. The Mace of the Department of Biology is painted with the three traditional academic colors that represent degrees in the Arts (white), in Science (golden yellow), and in Philosophy (dark blue).

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# 2024 Diploma Ceremony

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## Welcoming Remarks

**Douglas Taylor**, Commonwealth Professor of Biology &  
Chair of the Department of Biology

## Faculty

**John Campbell**, Assistant Professor of Biology

**Robert Cox**, Professor of Biology

**Cristian Danna**, Assistant Professor of Biology

**Christopher Deppmann**, Professor of Biology

**Laura Galloway**, Commonwealth Professor of Biology &  
Associate Dean for the Sciences and Research

**Amanda Gibson**, Assistant Professor of Biology

**Masashi Kawasaki**, Professor of Biology

**David Kittlesen**, Associate Professor of Biology

**Keith Kozminski**, Associate Professor of Biology

**Jessamyn Manson**, Associate Professor of Biology &

Director of Undergraduate Programs in Biology

**Ignacio Provencio**, Professor of Biology & Associate Chair of Biology

**Michael Wormington**, Associate Professor of Biology &

Director of the Distinguished Majors Program in Biology

## Presentation of Diplomas

## Closing Remarks

**Douglas Taylor**

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# Recognitions

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***The Andrew Fleming Prize*** is awarded in recognition of completing a doctoral dissertation of outstanding quality, originality, and significance. The Fleming Prize was established in 1929 to perpetuate the memory of Andrew Fleming, an avid student of biology, particularly entomology. This year's recipient is ***Abbas Ghaddhar***.

***The James Norman Dent Award*** is awarded to a student publishing or completing a dissertation in the area of developmental biology or endocrinology during the last calendar year and for demonstrating dedication to the principles of scholarship and personal integrity that marked the tenure of Professor Dent at the University of Virginia. This year's recipients are ***Christopher D. Robinson*** and ***Qijun Tang***.

***The Distinguished Majors Program in the Department of Biology*** provides students the opportunity to conduct a significant body of independent research culminating in a formal written thesis and oral presentation at the Annual Richard D. Katz Undergraduate Biology Symposium. Based on a vote of the faculty, following an evaluation of each student's academic achievement, the degrees of Distinguished Majors may be conferred with one of the following honorifics "with Distinction," "with High Distinction," or "with Highest Distinction."

***Undergraduate Teaching Assistants and Peer Teachers*** in Biology offer students opportunities to serve as learning facilitators in Biology courses, under the supervision of professors or graduate teaching assistants. Participants in these programs help create an effective learning community by promoting collaborative problem solving, while also increasing individualized attention.

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# Doctor of Philosophy

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**Rachana Suhas Bhave**

*Advisor: Robert Cox*

Disentangling the Contributions of Pre-and Post-Copulatory Processes to Male Fitness in a Wild Population of *Anolis sagrei*

**Robin Isadora Brown**

*Advisor: Sarah Kucenas*

Characterization of Peripheral Satellite Glial Cells and Their Effects on Axon Regrowth Following Injury in a Zebrafish Developmental Model

**Luke James Dillard**

*Advisor: Charles Farber*

Contextualizing Causal Genes from Bone Mineral Density GWAS Using Single-Cell Transcriptomics in Diversity Outbred Mice

**Lindsay Anne Heckle**

*Advisor: Keith Kozminski*

The Distribution and Function of PI4P During Osh-Dependent Polarized Secretion in *Saccharomyces cerevisiae*

**Pramod Khadka**

*Advisor: Cristian Danna*

Regulation of Plant Amino Acid Metabolism and Transport by a Bacterial Pathogen

**Hanna Makowski**

*Advisor: Laura Galloway*

The Role of Mating System in Colonization and Morphological Variation

**Christopher D. Robinson**

*Advisor: Robert Cox*

Hormonal Responsiveness Underlies Trait Diversification in Spiny Lizards

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# Master of Science

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**Caroline Joan Bush**

*Advisor: Deborah Roach*

Differences Between the Costs and Establishment Rates of Clonal and Sexual Offspring Affect the Probability of Evolutionary Rescue in Plant Populations

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# Master of Arts

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**Nithin Revi**

*Advisor: Barry Condron*

Microbiome and Social Behavior

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# Distinguished Majors

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**Claire Chun-Mei de la Paz<sup>§</sup>**

*Bachelor of Arts with High Distinction*

**Mohamed Diagne**

*Bachelor of Science with Highest Distinction*

**Madison Elizabeth Doceti<sup>#‡</sup>**

*Bachelor of Science with High Distinction*

**David Jung Seo Lee**

*Bachelor of Arts with High Distinction*

**Lillian Pace Long**

*Bachelor of Arts with High Distinction*

**Laine Elizabeth Marrah<sup>\*</sup>**

*Bachelor of Arts with Highest Distinction*

**Dana Catharine Schwalbe**

*Bachelor of Arts with Highest Distinction*

**Emily Marie Scott<sup>#‡</sup>**

*Bachelor of Science with Highest Distinction*

**40th Annual Richard D. Katz**  
**Undergraduate Biology Symposium Awards**

**1<sup>st</sup> Place – Emily Marie Scott**

**2<sup>nd</sup> Place – Laine Elizabeth Marrah**

**3<sup>rd</sup> Place – Dana Catharine Schwalbe**

*The Richard D. Katz Undergraduate Research Symposium gives the Distinguished Majors an opportunity to present their research findings to Biology students and faculty.*

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# Bachelor of Science

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Daniel R Ames  
Celeste M Amron  
Brooke Turner Bishop  
Lynsey Jo Blevins#§  
Lauren Bradley  
Alexander Douglas Smith Brancato  
Ting Chan  
Sindhu Chandolu##  
Babak Changiz  
Winnie Chen  
Cassidy Morgan Davis  
Kristin Elizabeth Del Corso  
Emma Del Fabbro##  
Madison Riley Dietl  
Kevin Mai Du  
Wakako Endo#  
Amélie Kiera Isabel Fieser  
Matthew Sean Fitchett§  
Alexandra Paige Forster  
Yeganeh Garoossi  
Federica Shannon Tess Hall  
Ella Chadwick Hanley  
Shahzeb Hashmi

Wendy Huang‡  
Atif Mustafa Islam  
Andreas Ardeshir Kamali  
Annika Corinne King  
Isabella Caterina Lagazzi Rogazy  
Xingyu Liu  
Jiawen Ma  
Margaret Caroline McHaty‡  
Hannah Burke Mercurio  
Ciara Jade Miller  
Cullin Raymond Murgas  
Bridget Layne Nelson#  
Katelyn Nicole Parshall  
Harrison Payne Pollack  
Grace Gable Ribadeneyra‡  
Dena Saghai Maroo#‡  
Mihir Sanad  
Neil Adil Sawh  
Sarah Katherine Talley  
Emma Somers Troischt  
Ashley Caroline Vernon‡  
Shuqi Ye

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# Bachelor of Arts

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Carly Elizabeth Abraham‡  
Carlyn Anne Abraham  
Eugene Agyapong Akoto  
Ahellah K Ahmed  
Dilare Aizezi  
Nigere Aizezi  
Natalie Alcocer Ramos  
Rumesa Ali  
Juliette Christine Amorosi#  
Stephanie Birago Amponsah  
Natnael Tarekegn Anteneh  
Jacob A Antmann  
Thien An Bach  
Ava Allyson Bagherian‡  
Casey Chaplin Baxter

Sham Beddawi  
Noah James Benn  
Todd Kristopher Benson  
Abigail Victoria Wye Bindrim  
Kendall Lee Birdlebough##  
Anastasia Lauren Blecker  
Maya Michael Block‡  
Joseph Lawrence Bono  
Leila Ann Borghaei  
Mark Florian Breunig  
Maya Ashlyn Brock  
Emma Renee Evelyn Brown  
Reed Newton Burgess  
Emily Paige Butts  
Robert Bruce Campbell

Jasmin Isabel Campos  
Hannah B Carter  
David Cha  
Zhangchi Chen  
Iman Cherkaoui\*  
Eugene Young-Min Choo  
Kathryn Yuna Chung‡  
Matthew Stephen Clare  
Grace C Cole  
Elena B Colliver  
Kameron Charles Colvin  
Tina Nguyen Comlekoglu  
John Patrick Curley  
Anne Rui Lucie Curran‡  
Nhiya David  
Georgia Grace Davidson  
William Reed Dawson  
Reilly Marilyn Deaton  
Nathaniel James Dickinson  
Harper Daynes Didlake  
Bharath Dileep Kumar  
Alyssa Erin Dioguardi\*  
Kiarra A Douglas  
Lydia Grace Driggers  
Katelyn Mary DSouza  
Emiko Cheryl Ebreneyin  
Sarah Burks Echols  
Isabella Alexandria Edwards  
Lucas Andres Espinosa  
Eden Elizabeth Fales  
Rachel Elizabeth Ferguson#  
Geryldine Rose Ferrer  
Jake Cajetan Flynn  
Abigail Bre-Ann Foley  
Hannah Elizabeth Freeman  
Adelaide Maria Gannon  
Rocia Michelle Gayoso  
Shagun Ghotra  
Tess Gutierrez Ginsberg  
India Cynese Glover  
Lia Eugenia Godfrey  
Ivan Gonzalez Herrero  
Marcos Daniel Gonzalez  
Mason James Gower-Fici  
Caroline Sydney Hall  
Jenine Hasan Hamdan

Sally Haeun Han  
Sumama Haque  
Inaya Reza Hasan  
Fatima Naureen Hassan  
Olivia Katelynd Hathaway  
Katherine Elizabeth Helmicki#  
Angelica Mary Henriquez  
Julia Elizabeth Hersh  
Lauren Marie Hill  
Elijah Hirsch Hochstein‡  
Lucie Olivia Hornberger  
Chanlee Grace Hudson  
Amy Yuri Hwang  
Catherine Howe Irving  
Sophia Seokyoung Jang  
Arian Jeb  
Ho Yeon Jeong  
Sarah Johnson  
Wyatt Alan Johnson  
Audrey Caroline Johnston  
Anish R Kalyan  
Alyssa Nicole Kelley  
Cassianne P Kelly  
Holden Gage Kerr  
Joann Y Kim  
Kathlyn E Knight  
Kevin Wayne Kuang  
Lena Katherine Kwitny  
Emma Lauren Lambert  
Bowie Raff Lanter  
Kathryn G Larkin  
Kaydan Janae Lawson  
Maivy Elizabeth Le  
Bridget Jin Lee  
Catherine Lee  
Haim Lee  
Mariam Leila  
Zoe Leshner  
Myla Lorraine Lester  
Jennifer Lopez Lopez  
Sydney Elise Louzonis#  
Samantha Lee Lydell  
Maria Catherine Lyons  
Stuti Mainali  
Maja Elizabeth Marcich§  
Luciano Nickolaus Mateo



Ivey Randolph Mathews  
Vaishnavi Ganesh Mathur  
Roger Christian Matthews III  
Abby Claire McBride  
Kyle Parks McCleskey§  
Megan McDonald  
Sara K Michel-Le##  
Amelia Katherine Milliard§  
Shahmeer Mirza  
Miriam Moghtader  
Kassandra Jasmin Morales  
Daniel David Morris  
Katherine Jane Morris  
Madison Leigh Myers\*  
Vivaswath Reddy Naini  
Autumn Marie Nester  
Isabelle Chau Ngoc Ngo  
Min Suk Noh  
Ailbhe May O'Grady  
Irene Oh  
Abigail Opoku  
Nataleen Orangian  
Kathryne A Paras##  
Aavi Chetan Patel  
Nishi H Patel  
Yash Bhavin Patel  
Rina Dianne Patterson  
Renee Geyao Pen  
Kelly Truc Pham  
Lauren Pizarro  
Sloan Kathleen Pyatt  
Guanghan Qian  
Nicole E Quick  
Michael Taylor Rader  
Timothy S Rah  
Tina Ranjbar  
Firas Rashid  
Madison Paige Rawls  
Barclay Brewster Rayome  
Victoria Ren  
Sharon Renner  
Kai William Riggle  
Keaton Tait Riley  
Maxwell Jacob Ritterband  
Cade Christopher Roach  
Roxanne Tara Robinson‡

Mary Therese Romero  
Garrett Irwin Ross  
Jennifer Anne Ryniewicz  
Elizabeth Virginia Sachs  
Abril Valeria Sanchez Quiero  
Andrei Sanda  
Emily Noel Sanders  
Zamerial Nalani Sanders  
Shwetha Satish  
Samantha Mari Scanlon  
Kayla Rose Schill‡  
Simone Kathleen Schumaecker  
Caroline Grace Schuster  
Jackson Paul Sechler  
Rhea Samirkumar Shah‡  
Shireen Tabassum Shah  
Alyssa Brooke Shaw  
Lena Carlson Shelly#  
Celeste Corinne Shelton§  
Anna Sheng  
Olivia Catherine Sheridan  
Skyla Shumway  
Ian Amaad Simmons  
David Louis Sinclair  
Alexandra Elizabeth Smith‡  
Alyssa Michelle Smith  
Brennan Wade Smith  
Graydon Dover Smith  
Natalie Renee Smithers  
Adam Christopher Smyth  
David K Sohn  
Talia Sol  
Erlin Leonel Sorto  
Daniel Raymund Sparks Jr.  
Grace Fetzter Sprinkle#  
Ethan Hawthorne Stanley  
Carly Elizabeth Stender  
Sydney Amanda Stokes  
Brookelyn Averi Strosnider‡  
Hanna Duan Sun  
Avery Elizabeth Sutro  
Riddhima Telugu Guvvala#  
Sapphira Nguyen Thompson  
Gunnhildur Anna Thorkelsdottir  
Emma Marie Thorn  
Shaayna Tiwari‡

Wilson M Traywick  
Joel Daniel Valliath  
Colleen Margaret Vick  
Catherine Isabel Vinel  
Nhi Tu Vo  
Mary Katherine Wade  
Amy Qing Wang  
Max G Wang  
Olivia Wang  
Tianran Wang  
Maggie Frances Weber  
Kate Lauren Wellons#

Ashley Sloan West  
Kendal Anne Williams  
Rebecca Jane Williams  
Adalie A Wilson  
Taylor Nicole Wilson  
Mary Margaret Wray#  
Wan Ting Wu  
Nicholas Michael Xie  
Victoria Shifeng Yang  
Rima Devi Yarlagadda  
Mahni G Yousefi  
Hamaza Ahmad Zaffar

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**Program Key**

College Science Scholar (\*)

Biology Peer Teacher (#)

Undergraduate Teaching Assistant (‡)

Environmental & Biological Conservation Specialization (§)

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All graduate information is current as of May 14, 2024

## **Event Photography**

Photo Specialties of North Carolina is the official photographer for this event. The photographers will take pictures of every graduate as they receive their diploma. Within 10 days of graduation, each graduate will be contacted at their UVA email address with a link to a digital proof of their picture online. Graduates also receive a free color proof by mail within 21 days of graduation. Proofs are free for graduates to keep. There is no obligation for students to purchase anything. Questions regarding photo options and ordering information may be directed to:

**PHOTO SPECIALTIES**  
P.O. Box 3600 Chapel Hill, NC 27514  
Phone: (919) 967-9576  
1-800-722-7033  
[www.PhotoSpecialties.com](http://www.PhotoSpecialties.com)

Select areas in the Aquatic and Fitness Center are designated for guests to take pictures of graduates. Please be respectful of others by limiting the time you spend in these designated areas and by making way for the procession.

## **Cover Image Credits**

Top (left to right) 1. Tracy Larson, 2. Wenjin Xu (Liu Lab), 3. Angelo Arrigo (Kulkarni Lab). Bottom (left to right) 4. John David Curlis, 5. Angelo Arrigo (Kulkarni Lab), 6. Pramod Khadka, PhD (Danna Lab).



CONGRATULATIONS

*Class of 2024!*



UNIVERSITY of VIRGINIA

**College and Graduate School of Arts & Sciences**

**Department of Biology**

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P.O. Box 400328, Charlottesville, VA 22904

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