

# Graduate Student Highlights

April 2022 – June 2022

## Graduate School News

### Five Inducted into Bouchet Graduate Honor Society



Four Cornell doctoral candidates and one doctoral alumnus have been selected for induction into the Cornell chapter of the Edward Alexander Bouchet Graduate Honor Society. The Bouchet Society recognizes outstanding scholarly achievement and promotes diversity and excellence in doctoral education and the professoriate. The scholars were inducted at the annual Yale Bouchet Conference in April.

[Read the full story](#)

### New Graduate School Program Demystifies Graduate Study for Diverse Students



To prepare and support students from historically underrepresented backgrounds, the Graduate School is expanding an existing student-led program to include all graduate fields starting in the summer of 2022. Consider Cornell, informed by the success of Diversity Preview Weekend, will introduce students from across academic disciplines to graduate study and Cornell specifically.

[Read the full story](#)

## Travel Grants Help Graduate Students Conduct Research Across the Globe



The Graduate School awarded over 100 Research Travel Grants totaling \$204,196 in 2021-22, which provide financial support for research degree students to conduct thesis or dissertation research away from campus. With a special round of funding in addition to standard fall and spring rounds, this was the largest group of Research Travel Grants awarded since the pandemic began interrupting travel.

[Read the full story](#)

## Symposium to Address Self-advocacy, Communication, and Writing



The Graduate School's Summer 2022 Pathways to Success (P2S) Virtual Symposium helped graduate and professional students and postdocs refine critical skills in effective self-advocacy, confident communication, and resilient writing through its lineup of experts. This professional development opportunity took place on Wednesday, June 8, 2022 via Zoom.

[Read the full story](#)

## Twenty-five Receive Awards Recognizing Inclusive Excellence



Twenty-five members of the graduate community were honored with 2022 Distinguished Awards during the annual Diversity and Inclusion Awards and Recognition Celebration. This event recognizes excellence represented within the graduate community and demonstrated leadership and commitment to advancing efforts around diversity, inclusion, outreach, and student engagement.

[Read the full story](#)

## Two Doctoral Students Receive Africa Fund Fellowships



Doctoral students Rafid Bendimerad and Angela Nankabirwa have been selected to receive 2022 Africa Fund Fellowships. The Africa Fund Fellowship provides one or two semesters of a stipend, full tuition, and Cornell individual student health insurance to doctoral applicants who are citizens of an African country and not permanent residents of the U.S.

[Read the full story](#)

## Graduate Student Spotlights

### Tobias Mueller | *Entomology*



Entomology doctoral student Tobias Mueller's research focuses on how solitary bees are impacted by pesticides applied in agricultural systems, in particular antifungals and antibiotics which may impact bee microbiomes. His research can help inform behavior to better support wild bees in order to not lose their pollination services. Mueller was selected as a 2022 NSF GRFP Fellow.

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### Yue Deng | *Materials Science and Engineering*



Yue Deng, a doctoral student in materials science and engineering, studies the electrochemical deposition of lithium and sodium to improve the capacity and lifespan of rechargeable batteries. Her research has impacts for greener, more cost-effective mass production of rechargeable batteries. Deng is a recipient of a 2022 Hsien and Daisy Yen Wu Scholarship.

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## **Rhasaan Bovell** | *Biomedical and Biological Sciences*



Biomedical and biological sciences doctoral student Rhasaan Bovell studies reproductive science with an emphasis on applications for wildlife conservation. By better understanding how animals reproduce in nature, wildlife conservationists can employ more effective approaches to ensure endangered species' long-term survival, which can benefit the health of entire ecosystems.

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## **Anna Whittemore** | *Anthropology*



Anna Whittemore, a doctoral student in anthropology, studies the lives of past people by interpreting skeletons. Her primary research focus is people who lived in the Inka Empire to understand how mass forced resettlement impacted individuals and communities. She seeks to highlight that migration journeys are complex and involve more than policy decisions and political strategizing.

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## **Yubo Su** | *Astronomy and Space Sciences*



Astronomy and space sciences doctoral candidate Yubo Su studies how exoplanets can become gradually tilted over time and how the tilt impacts exoplanets' seasons and potential habitability. This research gives scientists insights into the rarity of Earth while also contributing to the search for extraterrestrial life. In addition, Su studies the longer-term evolution of star systems and black holes.

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## **Mariela Nunez Santos** | *Biochemistry, Molecular and Cell Biology*



Mariela Nunez Santos, a doctoral candidate in biochemistry, molecular and cell biology, focuses her research on elucidating the molecular mechanisms and regulation of a protein highly linked to neurodegenerative diseases. By better understanding the protein's function, regulation, and role in neurodegeneration, scientists can pursue new research avenues into therapeutics for these diseases.

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## **Vaibhav Sharma** | *Physics*



Physics doctoral candidate Vaibhav Sharma seeks to understand and explain the quantum mechanical behavior of ultracold atoms through mathematical calculations. Understanding the behavior of ultracold atoms can help answer questions about the interiors of neutron stars and mechanisms behind high temperature superconductors. Sharma won second place in the 2022 Three Minute Thesis competition.

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## **Tessy Schlosser** | *Government*



Tessy Schlosser, a doctoral candidate in government, studies the political thought of poet, philosopher, nun, and social critic Sor Juana Inés de la Cruz, about which little has been written. She seeks to excavate Sor Juana's thought and use it to answer questions regarding the overlaps and disjunctions between patriarchal and colonial-imperial power.

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## **Adriana Hernández** | *Plant Biology*



Plant biology doctoral candidate Adriana Hernández studies fundamental principles of plant evolutionary biology in California's diverse ecosystems with a focus on the mechanisms that drive floral diversity. This research provides insights into lilies' history of migration, genetic connections between populations, and adaptation to the climate, which can inform conservation practices.

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## **Yongjian Tang** | *Physics*



Yongjian Tang, a doctoral candidate in physics, conducts experimental research in condensed matter physics, specifically studying the symmetry and interplay of ferric orders in a group of materials called multiferroics. This research can lead to the development of novel electronic nanodevices with high energy efficiency and durability.

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## **Brianna Tate** | *Animal Science*



Animal science doctoral candidate Brianna Tate studies the development of novel nutritional methods to bolster dairy calf immunity, which can save the dairy industry money by reducing veterinary costs. This research could also potentially lead to reproductive success and better milk production, furthering goals of feeding the growing world population.

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## Daniel Reza Sabzghabaei | Music



Daniel Reza Sabzghabaei, a doctoral candidate in music, focuses on time malleability in both his research and practice. He was selected as grand prize winner of the New York Youth Symphony First Music commissioning program for chamber music, which will allow him to collaborate with a youth ensemble and have his music played at Carnegie Hall and Michigan’s Interlochen Center for the Arts.

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## Additional Graduate Students of Note

Student, Field	Achievement/Story Feature
<b>Len van Deurzen</b> , applied physics, and <b>Ryan Page</b> , materials science and engineering	Doctoral student Len van Deurzen led research on a deep-ultraviolet laser that shows promise for improving the use of ultraviolet light, to which doctoral candidate Ryan Page contributed as a co-author. <a href="#">Learn more...</a>
<b>Michael Daly</b> , policy analysis and management	Doctoral candidate Michael Daly is a collaborator on research finding that taxes on soda reduce consumption by boys but not girls. <a href="#">Learn more...</a>
<b>Joshua Garcia</b> , horticulture, <b>Adriana Hernández</b> , plant biology, <b>Mariela Nunez Santos</b> , biochemistry, molecular and cell biology, <b>Brianna Tate</b> , animal science, <b>Stephanie Fuchs</b> , biological and environmental engineering, <b>Liz-Audrey Kounatse</b> , biomedical engineering, <b>Julia Nolte</b> , human development, <b>Alma Cortez Alvarez</b> , archaeology, and <b>Vinh Le</b> , hotel administration, and <b>Xiangkun (Elvis) Cao</b> , Ph.D. '21, mechanical engineering	Xiangkun (Elvis) Cao, Ph.D. '21, Joshua Garcia, Adriana Hernández, Mariela Nunez Santos, and Brianna Tate were inducted into the Cornell Chapter of the Edward Alexander Bouchet Graduate Honor Society during the annual Yale Bouchet Conference on Diversity and Graduate Education, during which doctoral students Stephanie Fuchs, Liz-Audrey Kounatse, and Julia Nolte and master’s students Alma Cortez Alvarez and Vinh Le gave presentations. <a href="#">Learn more...</a>
<b>Carol Anne Barsody</b> , archaeology	Master’s student Carol Ann Barsody has been trying to learn everything she can about a “mummy bird,” which is part of the Anthropology Collections in the College of Arts and Sciences. <a href="#">Learn more...</a>

<b>Zachary Manzer</b> , chemical engineering, <b>Sean Kim</b> , mechanical engineering, and <b>Ronald Heisser</b> , theoretical and applied mechanics	Engineering doctoral candidates Zachary Manzer, Sean Kim, and Ronald Heisser were selected for the Commercialization Fellowship, an opportunity to learn about entrepreneurship. <a href="#">Learn more...</a>
<b>Sewon Oh</b> , chemistry and chemical biology	Doctoral candidate Sewon Oh is lead author of a paper on the process of upcycling polystyrene into benzoic acid. <a href="#">Learn more...</a>
<b>Natalie Hofmeister</b> , ecology and evolutionary biology	Doctoral candidate Natalie Hofmeister discussed starlings in the U.S. and the origin of the invasive species' introduction. <a href="#">Learn more...</a>
<b>Austin Reid</b> , public administration	Master's student Austin Reid completed a project documenting Jewish heritage in small towns in Ohio. <a href="#">Learn more...</a>
<b>Brianna Tate</b> , animal science	Brianna Tate discusses her journey to an animal science doctorate and induction into the Edward Alexander Bouchet Graduate Honor Society. <a href="#">Learn more...</a>
<b>Yanyi Liu</b> , computer science	Doctoral student Yanyi Liu has worked with a professor on cryptography research. <a href="#">Learn more...</a>
<b>Aparajita Bhandari</b> , communication	Communication doctoral student Aparajita Bhandari researched the way TikTok differs from other social media platforms. <a href="#">Learn more...</a>
<b>Shyam Raman</b> , policy analysis and management	Doctoral student Shyam Raman conducted research finding that when states legalize marijuana, the demand for prescription drugs through state programs is reduced. <a href="#">Learn more...</a>
<b>Hyesook Chung</b> , industrial and labor relations	In a new study, industrial and labor relations doctoral candidate Hyesook Chung found that managers who rely on variable work schedules experience higher turnover. <a href="#">Learn more...</a>
<b>Paul Lushenko</b> , government, and <b>Shyam Raman</b> , policy analysis and management	A survey conducted by doctoral students Paul Lushenko and Shyam Raman found that armed drone strikes earn more public support when they have international approval. <a href="#">Learn more...</a>

<b>Yuan Yao</b> , materials science and engineering, and <b>Rachael Skye</b> , materials science and engineering	Doctoral students Yuan Yao and Rachael Skye are co-authors of a paper on synthetic nanoclusters that can mimic hierarchical self-assembly. <a href="#">Learn more...</a>
<b>Mason Jager</b> , D.V.M. '12, biomedical and biological sciences, and <b>Nikola Danev</b> , genetics, genomics, and development	Doctoral students Mason Jager and Nikola Danev serve as part of the Varna Volunteer Fire Company, which is staffed primarily by Cornell alumni, undergraduate students, and graduate students. <a href="#">Learn more...</a>
<b>Ian Kay</b> , food science and technology	Food science and technology doctoral candidate Ian Kay is working on ways to make active packaging materials that help food last longer in the fridge. <a href="#">Learn more...</a>
<b>Andre Kalenak</b> , food science and technology, <b>Margaux Mora</b> , food science and technology, <b>Austin Montgomery</b> , food science and technology, and <b>Glycine Jiang</b> , food science and technology	The Big Red Brewing graduate student group, which includes doctoral students Andre Kalenak, Margaux Mora, Austin Montgomery, and Glycine Jiang, developed the new Big Red Cranberry Sour beer. <a href="#">Learn more...</a>
<b>Ben Carver</b> , public administration	Master's student Ben Carver led a student team from the Cornell Institute for Public Affairs in a study analyzing rural EMS services on behalf of municipalities in Tompkins County. <a href="#">Learn more...</a>
<b>Nancy Ruiz</b> , biomedical engineering, and <b>Nicole Chernavsky</b> , biomedical engineering	Doctoral candidates Nancy Ruiz and Nicole Chernavsky co-led a workshop for ninth grade girls on curing Alzheimer's Disease as part of the Expanding Your Horizons program at Cornell. <a href="#">Learn more...</a>
<b>Daniel Sabzghabaei</b> , music	A world premiere by doctoral student Daniel Sabzghabaei was performed during an April 24 Cornell Symphony Orchestra concert. <a href="#">Learn more...</a>
<b>Alice Wolff</b> , medieval studies, and <b>Sophie Westbrook</b> , soil and crop sciences	Medieval studies doctoral candidate Alice Wolff worked with scientists in the College of Agriculture and Life Sciences, including master's student Sophie Westbrook, to publish a new open-access review article in Weed Science. <a href="#">Learn more...</a>
<b>Yanyi Liu</b> , computer science	Computer science doctoral student Yanyi Liu has been named a 2022 J.P. Morgan Ph.D. Fellow. <a href="#">Learn more...</a>
<b>Matthew Dallos</b> , history, <b>Esther Kondo Heller</b> , creative writing, <b>Dyese Matthews</b> ,	Graduate students Matthew Dallos, Esther Kondo Heller, Dyese Matthews, Kat Roberts,

<p>fiber science and apparel design, <b>Kat Roberts</b>, fiber science and apparel design, <b>Ami Tamakloe</b>, anthropology, <b>Jenine Hillaire</b>, fiber science and apparel design, <b>Lauren Siegel</b>, Africana studies, <b>Sarah Then Bergh</b>, Africana studies, <b>Marie Lambert</b>, comparative literature, and <b>Romain Pasquer</b>, romance studies</p>	<p>Ami Tamakloe, Jenine Hillaire, Lauren Siegel, Sarah Then Bergh, Marie Lambert, and Romain Pasquer will have exhibits featured during the fifth Cornell Biennial. <a href="#">Learn more...</a></p>
<p><b>Yanyi Liu</b>, computer science</p>	<p>Doctoral student Yanyi Liu, along with his professor, have identified a natural problem that creates a dividing line between the worlds that include cryptography and those that do not. <a href="#">Learn more...</a></p>
<p><b>Janani Hariharan</b>, soil and crop sciences, and <b>Zachary Grobe</b>, English language and literature</p>	<p>Doctoral candidates Janani Hariharan and Zachary Grobe were selected as recipients of the 2021-22 Cornelia Ye outstanding teaching assistant award. <a href="#">Learn more...</a></p>
<p><b>Luis Nieves-Rosado</b>, chemical engineering</p>	<p>Doctoral student Luis Nieves-Rosado uses math to simulate how simple building blocks assemble themselves into complex hierarchies. <a href="#">Learn more...</a></p>
<p><b>Ludovico Cestarollo</b>, materials science and engineering, and <b>Karan Vishwanath</b>, materials science and engineering</p>	<p>Doctoral students Ludovico Cestarolla and Karan Vishwanath presented their company, which is developing a new ankle support solution, during eLab Demo Day. <a href="#">Learn more...</a></p>
<p><b>David Goedicke</b>, information science, <b>Alexandra Bremers</b>, information science, and <b>Fanjun Bu</b>, computer science</p>	<p>Doctoral candidate David Goedicke is lead author of a paper on a mixed-reality driving simulator system that could lower the cost of testing vehicle systems and interfaces, to which doctoral students Alexandra Bremers and Fanjun Bu contributed as co-authors. <a href="#">Learn more...</a></p>
<p><b>Luis Nieves-Rosado</b>, chemical engineering</p>	<p>Doctoral student Luis Nieves-Rosado has been integral in adapting UN story circles methodology to Cornell. <a href="#">Learn more...</a></p>
<p><b>Juan Pablo Jordán '21</b>, ecology and evolutionary biology</p>	<p>Doctoral student Juan Pablo Jordán was a student co-author on a paper about the availability of rare and endangered insects illegally for sale online while an undergraduate. <a href="#">Learn more...</a></p>

<p><b>Ishan Mishra</b>, astronomy and space sciences</p>	<p>Doctoral student Ishan Mishra is working with a group to study the icy surface of Jupiter’s moon Europa. <a href="#">Learn more...</a></p>
<p><b>Germán Reyes</b>, economics, <b>Tessy Schlosser</b>, government, <b>Esther Kondo Heller</b>, creative writing, <b>Sai Pratyush Akula</b>, mechanical engineering, and <b>Michael Lee</b>, creative writing</p>	<p>Graduate students Germán Reyes, Tessy Schlosser, Esther Kondo Heller, Sai Pratyush Akula, and Michael Lee were all awarded Research Travel Grants during the 2021-22 funding cycle. <a href="#">Learn more...</a></p>
<p><b>Nathaniel Schreiber</b>, materials science and engineering, <b>Rakshit Jain</b>, applied physics, <b>Jiixin Sun</b>, materials science and engineering, and <b>Xiyue Zhang</b>, applied physics</p>	<p>Doctoral candidates Nathaniel Schreiber and Rakshit Jain are co-lead authors of a paper on a strategy to switch the magnetization in thin layers of a ferromagnet, to which doctoral candidates Jiixin Sun and Xiyue Zhang contributed as co-authors. <a href="#">Learn more...</a></p>
<p><b>Kristina Ceres</b>, biomedical and biological sciences</p>	<p>Doctoral candidate Kristina Ceres is a co-author of a paper identifying a shift that occurs in canine coronavirus when transmitted to humans. <a href="#">Learn more...</a></p>
<p><b>Steven Ceron</b>, mechanical engineering</p>	<p>Doctoral candidate Steven Ceron is co-author of a paper on collectives of microrobots capable of reconfiguring their swarm behavior quickly and robustly. <a href="#">Learn more...</a></p>
<p><b>Zepoor Khechadorian</b>, physics</p>	<p>Physics doctoral student Zepoor Khechadorian is one of 80 students selected to receive the prestigious U.S. Department of Energy Office of Science Graduate Student Research Award for the 2021 Solicitation 2 cycle. <a href="#">Learn more...</a></p>
<p><b>Christina Fogarasi</b>, English language and literature, <b>Shirley Le Penne</b>, government, <b>Caitlin Miller</b>, neurobiology and behavior, <b>Lyrienne Gonzalez</b>, history, <b>David Mehrle</b>, mathematics, <b>Matthieu Real</b>, classics, <b>Prairie Wentworth-Nice</b>, mathematics, <b>Vivian (Hanwen) Zhang</b>, psychology, <b>Aimee Plukker</b>, history, and <b>Victoria Baugh</b>, English language and literature</p>	<p>Graduate students Christina Fogarasi, Shirley Le Penne, Caitlin Miller, Lyrienne Gonzalez, David Mehrle, Matthieu Real, Prairie Wentworth-Nice, Vivian (Hanwen) Zhang, Aimee Plukker, and Victoria Baugh received 2022 College of Arts and Sciences teaching awards. <a href="#">Learn more...</a></p>
<p><b>Chelsea Butkowski</b>, communication, and <b>Utkarsh Mall</b>, computer science</p>	<p>Communication doctoral student Chelsea Butkowski is lead author of a study on skin tone discrepancies in online retail images, to which computer science doctoral student Utkarsh Mall contributed. <a href="#">Learn more...</a></p>

<p><b>Timothy Ravis</b>, development sociology</p>	<p>Doctoral student Timothy Ravis is the first Ronny Adhikarya Niche Award winner at Cornell. <a href="#">Learn more...</a></p>
<p><b>Rizwangul NurMuhammad</b>, public affairs</p>	<p>Master's of public affairs student Rizwangul NurMuhhamad co-founded a charitable trust to provide funds and training to address the employment and educational needs of the Uyghur diaspora in Turkey. <a href="#">Learn more...</a></p>
<p><b>Hetvi Doshi</b>, human development, <b>Breanna Green</b>, information science, <b>Jesus Lopez Baltazar</b>, chemical engineering, <b>Andrea Robinson</b>, nutrition, <b>Jason Chang</b>, biomedical engineering, <b>Jess Choi</b>, plant pathology and plant-microbe biology, <b>Cheyenne Peltier</b>, chemistry and chemical biology, <b>Mikaela Spruill</b>, psychology, <b>Karina Beras</b>, anthropology, <b>Joshua Garcia</b>, horticulture, <b>Andrew Scheldorf</b>, horticulture, <b>Zinab Attai</b>, government, <b>Sabrina Li</b>, materials science and engineering, <b>Caitlin Miller</b>, neurobiology and behavior, <b>Jumana Badar</b>, biochemistry, molecular and cell biology, and <b>Chinasa T. Okolo</b>, computer science</p>	<p>Seventeen students were honored with 2022 Distinguished Awards for their leadership and commitment to diversity, equity, inclusion, and student engagement at the annual Diversity and Inclusion Awards and Recognition Celebration. <a href="#">Learn more...</a></p>
<p><b>Joseph Ruesch</b>, chemistry and chemical biology</p>	<p>Doctoral candidate Joseph Ruesch spoke about Zoom-informed teaching techniques he uses in the physical classroom. <a href="#">Learn more...</a></p>
<p><b>Mary Zick</b>, chemistry and chemical biology</p>	<p>Doctoral candidate Mary Zick is lead author of a paper on a strategy for tackling the climate crisis that involves developing materials to capture carbon dioxide released by industrial facilities. <a href="#">Learn more...</a></p>
<p><b>Andrew Legan</b>, neurobiology and behavior</p>	<p>Doctoral candidate Andrew Legan is the author of a paper reporting evidence of a gall-forming aphid defending itself against predators—a first for the species. <a href="#">Learn more...</a></p>
<p><b>David Gold</b>, civil and environmental engineering</p>	<p>Doctoral candidate David Gold is a co-author of a study finding that agreements between water utilities can help mitigate their risks. <a href="#">Learn more...</a></p>
<p><b>Roderick Wiljunamai</b>, anthropology</p>	<p>Doctoral student Roderick Wijunamai received a 2022 travel grant from the Einaudi</p>

	Center to lay the groundwork for his project involving the Eastern Himalaya. <a href="#">Learn more...</a>
<b>Rekha Bhandari</b> , entomology	Entomology doctoral student Rekha Bhandari is a co-author of a paper on a new technique designed to reduce the incidence of leafroll disease. <a href="#">Learn more...</a>
<b>Haokun Sun</b> , applied economics and management	Doctoral student Haokun Sun is co-author of a paper about a theoretical model that suggests an explanation to the question of how rating agencies have surety that economics professionals do not. <a href="#">Learn more...</a>
<b>Olivia Graham</b> , ecology and evolutionary biology	Doctoral candidate Olivia Graham spoke about a study she co-authored on seagrass wasting disease. <a href="#">Learn more...</a>
<b>Rose Tatarsky</b> , neurobiology and behavior	Doctoral candidate Rose Tatarsky and Najva Akbari, Ph.D. '21, worked to image the brain of the transparent fish <i>Danio rerio</i> , the results of which are now under review for publication. <a href="#">Learn more...</a>
<b>Melia Matthews</b> , biomedical and biological sciences	Doctoral student Melia Matthews is graduate student coordinator for the Cornell Undergraduate Research Journal, a new digital and print publication dedicated to Cornell undergraduate student research. <a href="#">Learn more...</a>
<b>Gabriel Schuler</b> , microbiology	Gabriel Schuler, a doctoral candidate in microbiology, is first author of a paper explaining how, by nature, CRISPR-Cas9-developed tools can be fitted into genome therapy vectors. <a href="#">Learn more...</a>
<b>Wei Wang</b> , mechanical engineering	Doctoral candidate Wei Wang is lead author of a paper about a micro-sized artificial cilial system that can control the movement of fluids at a microscale, which could enable diagnostic devices. <a href="#">Learn more...</a>
<b>David Nasca</b> , art	Master of fine art student David Nasca is a curator of the "Sculpture Shoppe" exhibition, which seeks to spark conversation about the history and problematics of the Western canon. <a href="#">Learn more...</a>

<b>Stella Ocker</b> , astronomy and space sciences	Astronomy doctoral candidate Stella Ocker comments on the interstellar ‘hum’ picked up by Voyager 1. <a href="#">Learn more...</a>
<b>Raul Astudillo</b> , operations research and information engineering	Doctoral candidate Raul Astudillo studies Bayesian methods for efficient sequential decision-making for problems where there is a nested structure. <a href="#">Learn more...</a>
<b>Kaitlynn Boardman</b> , public administration, <b>Guanqi Su</b> , public administration, <b>Hubo Wang</b> , public administration, and <b>James Bond</b> , public administration	Master’s students Kaitlynn Boardman, James Bond, Hubo Wang, and Guanqi Su are assisting New Lebanon, New York, as it seeks to expand its economy with green technology jobs. <a href="#">Learn more...</a>
<b>Samantha Lau</b> , food science and technology	Doctoral candidate Samantha Lau is lead author of a paper on microbial spoilage as it contributes to food loss and waste globally. <a href="#">Learn more...</a>
<b>Tanner Robison</b> , plant biology	Doctoral candidate Tanner Robison was part of a team who discovered a new species of alga, which they named for poet Amanda Gorman. <a href="#">Learn more...</a>
<b>Stella Ocker</b> , astronomy and space sciences	Doctoral candidate Stella Ocker is an author of a paper about a repeating fast radio burst. <a href="#">Learn more...</a>
<b>Janet Chen</b> , information science, and <b>Emily Tseng</b> , information science	Doctoral student Janet Chen is co-lead author of a paper on trauma-informed computing, on which doctoral student Emily Tseng collaborated. <a href="#">Learn more...</a>
<b>Paul Lushenko</b> , government	Doctoral candidate Paul Lushenko commented on the implications of China’s newly unveiled drone carrier. <a href="#">Learn more...</a>
<b>Yurong You</b> , computer science, <b>Katie Luo</b> , computer science, <b>Carlos Diaz-Ruiz</b> , mechanical engineering, <b>Cheng Perng Phoo</b> , computer science, <b>Xiangyu Chen</b> , computer science, and <b>Junan Chen</b> , mechanical engineering	Doctoral students Yurong You, Katie Luo, Carlos Diaz-Ruiz, Cheng Perng Phoo, Xiangyu Chen, and Junan Chen contributed to research on technology that helps self-driving cars create “memories” of previous experiences and use them in future navigation. <a href="#">Learn more...</a>
<b>Brendan Rappazzo</b> , computer science, <b>Olivia Graham</b> , ecology and evolutionary biology, and <b>Morgan Eisenlord</b> , ecology and evolutionary biology	Doctoral student Brendan Rappazzo is a co-lead author of a paper confirming that seagrass wasting is associated with warmer-than-normal water temperatures, to which

	doctoral students Morgan Eisenlord and Olivia Graham contributed. <a href="#">Learn more...</a>
<b>Bruno Seraphin</b> , anthropology	Doctoral candidate Bruno Seraphin contributed to a webzine focused on environmental justice. <a href="#">Learn more...</a>
<b>Michael Matty</b> , physics	Doctoral candidate Michael Matty is a co-author of a paper on using machine learning to analyze data from quantum material. <a href="#">Learn more...</a>
<b>Sean Medin</b> , biological and environmental engineering	Doctoral student Sean Medin co-founded a company, REEgen, with Cornell postdoctoral researcher Alexa Schmitz, who received an inaugural Rising Woman Innovator Award. <a href="#">Learn more...</a>
<b>Gloire Rubambiza</b> , computer science	Doctoral candidate Gloire Rubambiza is first author of a paper on anticipating challenges in digital agriculture design. <a href="#">Learn more...</a>
<b>Paul Lushenko</b> , government	Government doctoral candidate Paul Lushenko commented on the Ukrainian army's use of drones. <a href="#">Learn more...</a>
<b>Zubaida Qazi</b> , policy analysis and management	As a health administration master's student, Zubaida Qazi seeks to enhance her skills so that she can advance her career and help more people. <a href="#">Learn more...</a>
<b>Aman Banerji</b> , development studies	Doctoral candidate Aman Banerji received the 2022 Social Science Research Council's International Dissertation Research Fellowship. <a href="#">Learn more...</a>