
UCONN
UNIVERSITY OF CONNECTICUT

MEDALS CEREMONY

HONORS PROGRAM | **Class of 2023**

UCONN
UNIVERSITY OF CONNECTICUT
HONORS PROGRAM

The Honors Medals Ceremony is the culmination of a student's time in the UConn Honors Program. This annual event began in 2004 as a way to celebrate those students who have completed the rigorous Honors curriculum and are graduating as Honors Scholars or University Scholars. Founded in 1964, the Honors Program offers intellectually gifted and highly motivated undergraduate students the opportunity to obtain the richest possible collegiate experience. Working with every school and college, the Honors Program promotes challenging coursework and encourages intellectual independence through research and creative activities. Students form personal relationships with faculty and staff through Honors classes, regular contact with advisors, and the close supervision that comes with conducting the Honors thesis. Students make life-long friends and enhance their talents by living in Honors residential communities, attending Honors events, and joining Honors student organizations. Honors students also contribute significantly to the greater campus culture of UConn through their academic engagement, leadership, and involvement.

This rite of passage marks the end of our students' undergraduate careers and the beginning of their next stage in life. They have spent their time in Honors knowing they were part of a community: living, learning, and building relationships they will take with them for decades to come. It is important to note that their successes were not accomplished alone. Much of their development depended upon a wider support system. Honors faculty and advisors worked closely with our students to guide their studies and broaden their minds. Parents and family have supported their scholar, offering any assistance required for them to blossom into adults. And the Honors alumni and donors extended helping hands to move our students forward, giving of their time, their wisdom, and their own success to aid our students' journeys. As we gather to commemorate the close of the 2022-2023 academic year; the joy, pride, and gratitude we celebrate as an Honors community remains a constant in paying tribute to our graduating scholars.

Welcome

Jennifer Lease Butts, *Associate Vice Provost, Enrichment Programs and Director, Honors Program*

Special Performance by Rubyfruit

Remarks

Radenka Maric, *President*

Introduction of Student Speaker

Jeanine Gouin '87, *Board of Trustees, Vice Chair of Academic Affairs Committee*

Honors Scholar Address

Nour Al Zouabi '23, *UHL Scholar*

Honors Faculty Member of the Year Award Recipient

Jane Pryma, *Assistant Professor of Sociology*

Dr. Lynne Goodstein and Dr. Peter Langer Award Recipient

Richard N. Langlois, *Professor of Economics*

Presentation of Medals and Gifts to University Scholars

Nomenclator

Caroline McGuire, *Executive Director, Enrichment Programs and Director, Office of Undergraduate Research*

Assisted by

Daniel Burkey, *Associate Dean, School of Engineering*

Indrajeet Chaubey, *Dean, College of Agriculture, Health and Natural Resources*

Deborah Chyun, *Dean, School of Nursing*

Kenneth Cormier, *Director, Individualized and Interdisciplinary Studies Program*

Alain Frogley, *Interim Dean, School of Fine Arts*

Jason Irizarry, *Dean, Neag School of Education*

Nora Madjar, *Associate Dean for Undergraduate Programs, School of Business*

Nathaniel Rickles, *Associate Dean for Admissions & Student Affairs, Professor of Pharmacy Practice*

Laurie Taylor, *Associate University Librarian for Collections & Discovery*

Evelyn Tribble, *Associate Dean, College of Liberal Arts and Sciences*

Presentation of Medals to Honors Scholars and University Honors Laureates

Nomenclator

Jeffrey Shoulson, *Senior Vice Provost for Academic Affairs*

Presentation of Medals to Honors Scholars

Nomenclator

Jaclyn Chancey, *Enrichment Programs Director for Curriculum, Assessment, and Planning and Associate Director, Honors Program*

Concluding Remarks

Jennifer Lease Butts

The duties of Marshal were performed today by

Jaclyn Chancey
Kaitlin Heenehan, *Assistant Director, Honors Stamford*
Anne Kim, *Assistant Director for Honors Advising*

University Scholars

This prestigious and highly competitive program enables talented, motivated, and innovative students to design plans of study geared toward their special interests. Working closely with a committee of three faculty advisors, University Scholars undertake learning opportunities far beyond the typical plan of study and produce significant scholarly and creative projects, such as works of art and research theses. Graduation as a University Scholar is the highest academic honor the University bestows upon undergraduate students. Following is an alphabetical listing of graduating University Scholars, their majors, their project titles, their faculty advisors, and their project descriptions. The principal advisor for each student's University Scholar project is the first advisor listed.

JANNATUL ANIKA

Biology Education

Understanding and Supporting the Teaching Career Decision Making of Minoritized Students

Advised by: Catherine Little, Jason Irizarry, David Todd Campbell

Teacher diversity continues to be a long-established issue within the US public education system as the student of color population increases while the number of teachers of color remains significantly low. Previous research has explored different reasons for this disparity. However, there is limited research that students of color are simply becoming less likely to pick teaching as a career. This project examines racial and ethnic identities and the implications it has on the perception of the teaching profession. Jannatul will study how college students of color describe the internal and external factors that are influencing their career decision.

MICHELLE ANTONY

Individualized: Community Health and Molecular & Cell Biology

EGFR Family Signaling in the Chondroprogenitor Response to Articular Cartilage Injury

Advised by: Caroline Dealy, Debarchana Ghosh, Rachel O'Neill

Cartilage cells have limited capacity for self-repair and cartilage damage incurred during injury often progresses to post-traumatic osteoarthritis (PTOA), a form of cartilage degeneration that causes severe, incurable disability in otherwise young and active individuals. Michelle's project explores molecular signaling mechanisms in cartilage healing and narrow the field of candidate growth factors that can activate self-repair by cartilage cells. By identifying growth factors with therapeutic regenerative potential, treatments for patients who have suffered damage to their joints can be optimized.

KATHRYN SEAN ATKINSON

Nutritional Sciences and Individualized: Food Studies

Cenabis Bene: A Culinary Odyssey through Apicius

Advised by: Alexia Smith, Roger Travis, Molia Chea

Kathryn has spent her time at UConn exploring the connections between food and humanity, as everything in life ultimately returns to food. Her thesis focuses on Apicius, the sole surviving cookbook from classical antiquity. She has examined prehistoric, classical, and modern food traditions, and has recreated many dishes, from garum to spiced wine.

POORNA BALAKUMAR

Molecular & Cell Biology and Indvidualized: Asian Arts, Culture & Feminism

Innovation and Hybridity in Collegiate Raas-Garba

Advised by: Matthew Cohen, Bandana Purkayastha, Elizabeth Kline, Lindsay Cummings

The study of Indian dance has always existed in the aesthetic realm rather than in historical, economic and political discourse. This project explored different representations of gender in the classical Indian dance style, Kuchipudi, and considered issues of transnational identity and tradition in the collegiate competitive raas-garba circuit.

SARAH ELIZABETH BRADSHAW

English

Shakespearean Constellation

Advised by: Charles Mahoney, Gregory Semenza, Evelyn Tribble

Sarah's thesis explores the importance of collaboration in the production and reception of Shakespeare's plays. Rather than viewing the playwright as an "individual talent" (T. S. Eliot's phrase), Bradshaw theorizes Shakespeare, critics, and film adaptors as collaborators creating and influencing a shifting legacy.

ASHLYN ROSE CARTIER

Anthropology

A Zooarchaeological Meta-Data Analysis of Early Animal Domestication in the Neolithic Northern Levant

Advised by: Natalie Munro, Richard Sosis, Sara Johnson

Ashlyn's project aims to test the notion that animal domestication occurred slowly, in place, and with many trials and errors in the Northern Levant (modern Syria, Lebanon, and parts of southern Türkiye) using a metadata study. The main goal of her work is an analysis of the trends in animal domestication on a regional level using existing data.

SHANE THOMAS CONNOLLY

Biological Sciences

Mechanistic Examination of Protist Mediated Plant Growth through the Comparative Development of Medicago Truncatula

Advised by: Daniel Gage, Jonathan Klassen, Robert Bagchi

The role of predatory protists in the rhizosphere and their impact on plant growth have been largely unappreciated until recently. Protists are able to increase plant growth through the release of nitrogenous waste products and shifting soil bacteria communities towards more beneficial groups. The question that still remains is which of those mechanisms is primarily responsible for protist mediated plant growth, especially in legumes. This project aims to answer that question through developmental comparisons of Medicago truncatula in both protist grazed and un-grazed soils. The goal is to highlight the importance that microbivores play in a horticultural setting.

ASHITI DAMANIA

Molecular & Cell Biology

Validation of RGC Subtype Markers Across Development to Understand Axon Regeneration

Advised by: Feliks Trakhtenberg, Leighton Core, Akiko Nishiyama

Glaucoma is the second leading cause of blindness, for which there are currently no clinical treatments that reverse its effects. Collapsin response mediator proteins (Crmps) were studied for their role on axons after injury to the optic nerve. Findings can potentially contribute to future therapeutic treatments for glaucoma and optic neuropathies.

RAYNA MORRISON ESCH

Molecular & Cell Biology

Role of Perimuscular Connective Tissue Injury and Repair in Fibrodysplasia Ossificans Progessiva

Advised by: David Goldhamer, John Redden, David Knecht

Rayna's project explores the effects of fascia injury on the formation of extracellular bone in a disease known as Fibrodysplasia Ossificans Progressiva or FOP, a rare congenital disease that causes muscle and associated connective tissue to turn to bone. Understanding the cellular underpinnings of the disease will hopefully lead to new therapies.

ALEXANDRA ARIELLE GOLDHAMER

Human Rights and Molecular & Cell Biology

Exploring the Neural Circuits of Diet-Induced Obesity

Advised by: Natale Sciolino, Amy Howell, Kathryn Libal

Alex's project focuses on the inhibitory projections from the locus coeruleus to the lateral hypothalamic area, which have been implicated in the pathogenesis of obesity. Her project examines the effects of stimulating this circuit on appetite and food intake with the ultimate goal of developing effective, targeted treatment methods.

LEAH KATHRIN GRAF

Nursing

A Structured Life Review Intervention to Improve Life Satisfaction in Home Health Service Patients

Advised by: Juliette Shellman, Millicent Malcolm, Amisha Parekh De Campos

Structured Life Review (SLR) is a recollection of past events. In recent years, life review has been used with older adults to help them process unresolved conflicts from their past. Leah employes the use of SLR to explore how it can be used to increase quality of life and decrease depression in homecare patients at Middlesex Hospital.

ABIGAIL MORAN

Applied Mathematics and Physics

Measuring the Acceleration of the Milky Way with Pulsar Timing

Advised by: Chiara Mingarelli, Jonathan Trump, Masha Gordina

Abigail has been doing research in astrophysics for the last three years. Her recent work focuses on using radio signals from a special type of star called a pulsar to measure galactic acceleration. This data can be used to map dark matter in the local region of the galaxy.

SOOHYUN OH

Exercise Science

Dynamic Transcriptomic and Proteomic Responses of Circulating Immune Cells in Response to Subsequent Days of Exercise-Heat Stress

Advised by: Elaine Choung-Hee Lee, Anthony Vella, Lawrence Silbart

The overall understanding of gene expression response of cells to exercise is not fully understood. Soohyun's project investigated a genome wide changes in gene expression (mRNA made and present) that occur in circulating immune cells in the blood important for immune defense, in response to 2 subsequent exposure to exercise and heat.

SARAH ELIZABETH SAN VICENTE

Molecular & Cell Biology

Defining the Role of TIGIT as an Immune Checkpoint Inhibitor in Ovarian Cancer

Advised by: Andrew Wiemer, Patricia Rossi, Xiuling Lu

While immunotherapy has been a successful breakthrough treatment option for many forms of cancer, ovarian cancer has yet to reach this level of success. Despite prior failures, the complex tumor microenvironment of ovarian cancer provides a multitude of targets for immunotherapeutic drug targeting. Sarah's project aimes to determine the relationship between γδ T cells and the novel protein TIGIT in the context of ovarian cancer. She plans to define TIGIT as a potential immune checkpoint inhibitor through the use of anti-TIGIT blockades in cytokine recovery, cancer cell viability, and γδ T cell proliferation assays. If proven successful, this project could facilitate development of an anti-TIGIT immune checkpoint inhibitor drug for use in ovarian cancer.

ELISA SHAHOLLI

Economics and English

Religious Identity and Diabetes: A Muslim American Perspective

Advised by: Brenda Brueggemann, Metin Cosgel, Kelley Newlin Lew

The CDC estimates that in the United States alone, around 10% of the population has diabetes. Elisa's project specifically looked at the experience of Muslim diabetics, and how religious identity could impact diabetes care, perspective, and treatment. She divided her project into 3: an Economics data analysis, a Nursing literature review, and an art piece!

JOSHUA H YU

Molecular & Cell Biology

Nanoparticle-Mediated Inhibition of Acute Myeloid Leukemia

Advised by: Xiuling Lu, David Knecht, Theodore Rasmussen

Acute Myeloid Leukemia (AML) is a devastating form of cancer that affects everyone from the young to the elderly. Joshua's project involves the use of nanoparticles to treat AML relapse, with hopes to one day provide a viable clinical treatment.

Honors Scholar and University Honors Laureates

These students have completed a rigorous academic program that culminated in the production of an Honors thesis or creative project. The requirements for graduating as an Honors Scholar include a minimum of fifteen Honors credits in the major (or approved related areas), engagement in the major field outside the classroom, and a total grade point average of at least 3.4. The University Honors Laureate designation recognizes graduating Honors Scholars who have completed depth in the major as well as breadth across the disciplines. In order to earn the University Honors Laureate designation, Honors Scholars demonstrate additional academic achievement and creative productivity, a commitment to community involvement, and leadership. The following list of students are graduating as Honors Scholars and University Honors Laureates, indicating their Honors Scholar majors, their thesis titles, and the faculty advisors for their theses.

SRIVANI AGNIHOTRAM
Physiology & Neurobiology
Effects of 4-Aminopyridine on Neonatal Hippocampal Slices of KCNQ2 Knockout Mice
Advised by: Anastasios Tzingounis

FARNAZ TASNEEM AHMAD STEM
Molecular & Cell Biology
Caffeine Consumption and Academic Performance Amongst Adolescents
Advised by: Elizabeth Kline

NOUR NEDAL AL ZOUABI
Individualized: Rights, Health & Refugees
Refugees' Post-Resettlement Barriers to Accessing Healthcare Services in the Northeastern United States during COVID-19
Advised by: Elizabeth Holzer

KAREN SUSAN ALEX NE/STEM
Physiology & Neurobiology
Effects of the Xlr-3b Gene on Behavior using a Mouse Model
Advised by: Roslyn Fitch

THOMAS JOSPEH ALVAREZ B
English
What Makes a Salesman: Death of a Salesman and the Politics of Adaptation
Advised by: Robert Hasenfratz

ISABELLA KATHERINE AMATA NE/SPL
Marketing
Assessing Leadership in Business: A Critical Investigation of Karen Lynch
Advised by: Nell D'Auria

MICHELLE ANTONY B
Individualized: Community Health
EGFR Family Signals in the Chondroprogenitor Response to Articular Cartilage Injury
Advised by: Caroline Dealy

MICHELLE ANTONY B
Molecular & Cell Biology
EGFR Family Signals in the Chondroprogenitor Response to Articular Cartilage Injury
Advised by: Caroline Dealy

GREGORY ASCHENBRENNER
Electrical Engineering
Digital Framework for Space Vehicle Attitude Control Requirements Verification
Advised by: Bahram Javidi

POORNA BALAKUMAR B/SPMD
Molecular & Cell Biology
Caffeine Consumption and Anxiety Levels in Adolescents
Advised by: Sharon Smith

ALESSANDRA GRACE BASSANI B
Molecular & Cell Biology
The DNA Peptide Cross Link (DpC) Increases Mutagenicity in SOS Induced E. coli
Advised by: Ashis Basu

VIANNA VICTORIA BASSANI B
Animal Science
The Effects of Poor Maternal Nutrition During Gestation on IgG Concentrations in Sheep Offspring Circulation
Advised by: Sarah Reed

CATHERINE ELISE CANTELMO B
Nursing
A Case Study in Gestational Cancer
Advised by: Carrie Eaton

ELIZABETH KIRSTEN CARRIZZO NE/STEM
Biomedical Engineering
Neuronal Cell Viability in Gelatin Hydrogels to Model Traumatic Brain Injuries
Advised by: Fayekah Assanah

SRIMAYI CHATURVEDULA NE/SPL
Political Science
Courts as Agents of Injustice: Dissecting Institutional Culture & Judicial Corruption Around the World
Advised by: Michael Rubin

ERICA AGNES DEAN B
Psychological Sciences
The Role of Self-identity in Habit Development
Advised by: Blair Johnson

EMILY ANGELA DELL'ORFANO B
General Program in Music
Mission Statements and the Online Presence of Children's Choruses: A Content Analysis
Advised by: Cara Bernard

EMILY ANGELA DELL'ORFANO B
Music Education
Mission Statements and the Online Presence of Children's Choruses: A Content Analysis
Advised by: Cara Bernard

OLIVIA FRANCES DWIGHT
Speech, Language & Hearing Sciences
The Role of Evidence-Based Practice in the Use of DIR/Floortime for Children with Autism Spectrum Disorder
Advised by: Bernard Grela

LAURA ELIZABETH GALLAGHER NE/STEM
Molecular & Cell Biology
Treatment Success Rate Disparities Between Races/Ethnicities for Smokers versus Non-smokers Lung Cancer
Advised by: Charles Giardina

BIATRIS GAZARYAN B
History
Environmentalism In Great Britain During the Victorian Era (1830-1901)
Advised by: Meredith Rusoff

ZACHARY THOMAS GIGUERE NE
Physiology & Neurobiology
Examining the Role of Pain in Neurobehavior and Neurodevelopment of Infants In the Neonatal Intensive Care Unit with Respect to the Hypothalamic-Pituitary-Adrenal Axis
Advised by: Sharon Casavant

ALEXANDRA ARIELLE GOLDHAMER B
Molecular & Cell Biology
The Effect of Distinct Monoamine Reuptake Inhibitors on Reversing Tetrabenazine-Induced Motivational Impairments
Advised by: John Salamone

RACHEL COLETTE HAGE B
Nursing
Instilling Parental Confidence Through Text-linked Educational Modules at 6 and 24 Weeks
Advised by: Ruth Lucas

ANNE KATHERINE HOOKER B/H
Molecular & Cell Biology
The Effects of FOXP2 Variation on Gray Matter Structure and Language
Advised by: Nicole Landi

EMILY ROSE HUTCHINSON B
Physiology & Neurobiology
Comparison of Single-Cell RNA Sequencing Between Human Ependymoma and Mouse Models of Human Ependymoma
Advised by: Joseph Loturco

VARSHA IRVATHRAYA NE/STEM
Molecular & Cell Biology
Exploring the Role of CCND1 Amplification on Carcinogenesis
Advised by: Jessica Costa

JEROME SEONG-BIN JACOBS H/R
Allied Health Sciences
Mental Health Matters: The Link between Depression and Condomless Sex among Malaysian Men who have Sex with Men
Advised by: Roman Shrestha

CAMRYN AALIAH JOHNSON B
English
The DreamWalker: A Novella in Progress
Advised by: Sean Forbes

SUMEET KADIAN SPMD
Molecular & Cell Biology
Analysis of Postnatal Neurogenesis in a Hydrocephalic Mouse Model
Advised by: David Goldhamer

DANIELLE ELIZABETH KATZ NE
Environmental Sciences
Mapping Potential Habitat for the New England Cottontail
Advised by: Chadwick Rittenhouse

BETHANY ALEXA LAFONTAINE B
Medical Laboratory Sciences
The Use of RNA Interference to Modulate Inflammatory Cytokine Expression Pertinent to Sepsis from Covid-19
Advised by: Jessica Malek

DANIELLE ALEXAN LIVINGSTON B
Marketing
Assessing Leadership in Business: A Critical Investigation of Rosalind Brewer
Advised by: Nell D'Auria

MOLLY MCGUIGAN B
Communication
Beyond the Bechdel: Representation of Women in Popular and Critically Acclaimed Films
Advised by: Kirstie Farrar

UMA MEHTA B/SPMD
Biological Sciences
Diagnostic and Therapeutic Potential of a Novel Splice Isoform of Epidermal Growth Factor Receptor
Advised by: Carolin Dealy

BRYAN JOSE MESQUITA B
Communication
Managing Masculinity: Examining the Role Gender Norms Play in Male Behavior in Female-Dominated Fields
Advised by: Elizabeth Hintz

RILEY LAURYN MORRILL NE/SPL
History
History of the Millstone Nuclear Power Plant
Advised by: Mark Healey

ALLISON JEANNE NEMESURE NE/SPMD
Physiology & Neurobiology
Adolescent/ Young Adult Sleep Trends Over the Past Decade
Advised by: Sharon Smith

KARLA WYNNE PALMA B
Nursing
Understanding the Relationships between Parents' History of Adverse Childhood Experiences (ACEs) and Chaos in the Household.
Advised by: Eileen Condon

SHREYA PATEL
Physiology & Neurobiology
Solving the Structure of a Tailed Bacteriophage
Advised by: Simon White

SUCIKA PERUMALLA B/STEM
Physiology & Neurobiology
Behavioral Response to Changing Emotional Environment: Effects of Dorsal Hippocampus Inactivation
Advised by: Etan Markus

EMMA RADINI RATNAVEL NE
Physiology & Neurobiology
The Effect of a Perception of God on the Heart Rate of Bereaved Individuals
Advised by: Crystal Park

AYANE REIS DA CONCEICAO
History
Stepping Into Freedom, Three Hundred Years Behind: An Analysis of Second Slavery in Post-Abolition Societies
Advised by: Ricardo Salazar-Rey

MEGAN CAROL RUSSELL B
Nursing
A Qualitative Evaluation of How Individuals Cope with Chest/ Breastfeeding Pain
Advised by: Ruth Lucas

ALEXA ISABELLA SCHWARTZ B/SPE
Special Education
An Evaluation of A Year-Long Instructional Writing Approach in Relation to the Spelling Skills of Elementary Deaf and Hard of Hearing Students
Advised by: Hannah Dostal

JACOB RYAN SHIFFRIN B
Finance
How Does Early Financial Education Affect Future Financial Behaviors and Outcomes and How Can Financial Literacy Be Taught To Younger Generations
Advised by: Alexander Amati

ASHANTHI RUTH SNELL STEM
Exercise Science
Exploration of Salivary-omics Analyses for Stress Biomarker Monitoring
Advised by: Elaine Lee

IRENE M. SOTERIOU BOLD
Cognitive Science
Recep Tayyip Erdoğan: A Psychological and Philosophical Analysis
Advised by: Daniel Pressman

OWEN PATRICK SPANGLER B/STEM
Civil Engineering
Feasibility Study for a Continuous Mansfield Hollow State Park Multi-Use Path
Advised by: Manish Roy

TALIA SZOZDA
Allied Health Sciences
The Relationship between Adaptive Functioning and Sensory Symptoms in Individuals with Current ASD, Previous ASD, and Typical Development
Advised by: Inge-Marie Eigsti

KAITLYN THAOVY TRAN
Allied Health Sciences
Impact of Dopamine Blockers on the Parental Care of Burying Beetles
Advised by: Stephen Trumbo

REBECCA ELIZABETH TRIPP B
Physiology & Neurobiology
Characterizing Neurons Containing Calcium-binding Proteins and Sex Hormone Receptors in the Amygdala of Female and Male Rats
Advised by: Linnaea Ostroff

JACK EMMETT TUBRIDY B
Finance
Assessing Leadership in Business: A Critical Investigation of Warren Buffet
Advised by: Nell D'Auria

ADITH VELAVAN STEM
Biological Sciences
Reviewing the Ethics of Clinical Research in Emergency Settings
Advised by: Elizabeth Kline

ANANYA VISWANATHAN NE
Business Administration
Marketing and Managing a Sustainable Fashion Brand
Advised by: Wynd Harris

EMMA ROSE VLAUN NE/SPMD
Molecular & Cell Biology
Alterations in the Oral Microbiome Leading to Inflammatory Periodontal Disease
Advised by: Patricia Rossi

BO DEHM WICKLUND B
Psychological Sciences
Behavior and Self-Perceptions of Ability in Relation to Peers Associated with Anxiety in School Performance for Children Aged 7-9
Advised by: Crystal Park

ZACHARY BENJAMIN WISNEFSKY B/SPL
Finance Breaking Down the Box Office: An Analysis of Film Profitability Trends
Advised by: Lingling Wang

WILLOW YANG NE
Accounting
Assessing Leadership in Business: A Critical Investigation of Eric Yuan
Advised by: Nell D'Auria

H - Holster Scholar
Holster Scholars are recipients of this selective enrichment opportunity available only to first-year Honors students. This program awards grants to enable these selected Honors students to pursue in-depth and innovative projects during the summer. All Holster Scholars receive focused guidance from a faculty mentor and present their work in the fall of their sophomore year at the Holster Scholar Symposium.

BOLD - BOLD Scholar
The BOLD program focuses on facilitating opportunities for women's leadership on campus through scholarship funding, programming, and engagement in service/leadership projects. Utilizing a cohort model, a small group of students are selected to receive scholarships via a competitive application process. This scholar made a 2-year commitment to this program and worked closely with program leadership and mentors to develop individualized projects.

S - Stamps Scholar
The Stamps Scholars Program was founded by E. Roe Stamps and his late wife Penny in 2006, with the purpose of enabling extraordinary educational experiences for extraordinary students. UConn Stamps Scholars receive generous scholarship support with additional funds for enrichment opportunities such as study abroad, academic conferences, and leadership training.

STEM - STEM Scholar
STEM (Science, Technology, Engineering, and Math) Scholarship awards awarded to first-year applicants are based on strong academic performance in high school, experience in and commitment to STEM outside of the classroom, and community engagement. STEM Scholars have met annual requirements throughout their undergraduate experience, while also engaging in additional networking and development opportunities.

R - Rowe Scholar
This scholarship and enrichment program began through the generosity of Drs. John and Valerie Rowe to support students from backgrounds underrepresented in the health fields. This program provides Rowe Scholars with scholarship support, robust academic and experiential opportunities, and supportive community to prepare these scholars to take their place as leaders in the health professions community.

B - Babbidge Scholar
These scholars earned a minimum a perfect 4.0 GPA for both spring and fall semesters in the calendar year of 2022.

NE – New England Scholar
These scholars earned a minimum 3.7 GPA for both spring and fall semesters in the calendar year of 2022.

SPMD – Special Program in Medicine/Dental Medicine
This program provides a path to medical or dental school that offers students a unique opportunity for academic, personal, and social development and enrichment during their undergraduate years. Developed to encourage students to explore diverse opportunities that they might not otherwise consider in a traditional pre-medicine/dental study plan, this academic opportunity has created a more diverse and well-rounded student for entry to professional school.

SPL – Special Program in Law
This program is a unique and highly selective program that supports students throughout their undergraduate years to prepare them for the challenges of law school.

SPE – Special Program in Education
These students are connected to UConn's Neag School of Education during their first two years of undergraduate study through courses, seminars, research opportunities, and mentorship, all aimed at supporting the achievement of curricular and career goals. The purpose of this program is to nurture a diverse group of highly motivated students who are interested in working in areas of teaching shortages in the State of Connecticut.

SPPh – Special Program in Pharmacy
This program offers talented students who are focused on a career in pharmacy the opportunity to combine pharmacy instruction and training. The program's purpose is to nurture a diverse group of highly motivated students to succeed with more flexibility and enrichment in their undergraduate and professional studies. This six-year program links two years of pre-requisite and general education coursework with four years of professional pharmacy education resulting in two degrees: a BS in Pharmacy Studies and Pharm.D.

Honors Scholars

These students have completed a rigorous academic program that culminated in the production of an Honors thesis or creative project. The requirements for graduating as an Honors Scholar include a minimum of fifteen Honors credits in the major (or approved related areas), engagement in the major field outside the classroom, and a total grade point average of at least 3.4. Following is a list of students graduating as Honors Scholars, their Honors majors, their thesis titles, and the faculty advisors for their theses.

JASMINE LADAN ABOUMAHBOOB
Individualized: Human Physiology & Sociomedical Sciences
Parental Smoking and Race-Gender Disparities in Children's Risk Behaviors and Health Profiles
Advised by: Ryan Talbert

KATHERINE ACEVES R
Nursing
Secondary Analysis of Sleep Disturbance in Breast Cancer Survivors through Examination of Age, Estrogen Modulating Therapies, Gut Microbiome Diversity, Mental Health, and Lifestyle Factors
Advised by: Michelle Judge

MAYA XIAN ACKER
Mathematics/Actuarial Science
The Financial Impacts of Wellness Initiatives on Life Insurance and Long Term Care Companies
Advised by: Stephen Camilli

TIFFANY LAMIOKOR ADDY R/STEM
Physiology & Neurobiology
Mechanical Characterization of Cell-Laden Collagen Hydrogels
Advised by: Daniel Mulkey

SARAH ADLASSNIG B
Biomedical Engineering
Characterization of Cancer Organoid Models for Application in Tissue Engineering
Advised by: Kazunori Hoshino

HADIA AHMAD NE
Political Science
Fight or Flight: Examining the Struggles of Latinos in the Professional Sector and Academia
Advised by: Beth Ginsberg NE

AJLA AHMETOVIC NE
Psychological Sciences
Mental Health Access and Support within the School System
Advised by: Matthew Heinly

FERYAL H AL HAMADANI NE
Doctor of Pharmacy
Occupational Disruption of Circadian Rhythm and its Effects on Chronotherapy
Advised by: Xiaobo Zhong

CELINE CATHERINE ALIKO B
Individualized: Neuroscience
Local Field Potentials in the Rat Nucleus Accumbens during Effort-Based Behavior
Advised by: John Salamone

DINA ZOHAIR ALNABULSI
Sociology
Intersections of Race/Ethnicity, Sexuality, and Gender Identity, and Disparities in Health Care Coverage
Advised by: Ryan Talbert

SHANTNI ASHOK AMIN
Human Development & Family Sciences
Same-Sex Marriage within the United States
Advised by: Mary Berthelot

MICHAEL OSEI AMPOFO NE
Allied Health Sciences
Healthcare Experiences by Race, Sex, and Weight Status in a Sample of Low Wage Workers before and during the COVID-19 Pandemic
Advised by: Caitlin Caspi

KENNETH ANDERSEN JR S
Mechanical Engineering
The Effects of Rotational Speed on Vibratory Excitation in High Speed Thin Rotating Discs
Advised by: Jason Lee Stamps

RACHEL VICTORIA ANDERSON
Allied Health Sciences
Perceived Neighborhood-level Assets and Barriers to Weight-related Behaviors among Ethnically Diverse Black Adults
Advised by: Kristen Cooksey

JULIA ROSE ANDRONOWITZ
Mathematics
Classification Methods for Support Vector Machines
Advised by: Jeremy Teitelbaum

JANNATUL ANIKA
Biology Education
Expanding Teacher Diversity and Learning Achievements: Understanding and Supporting the Teaching Career Decision Making of Minoritized Students
Advised by: Catherine Little

SENEN JOAQUIN ANTUNEZ TIERNEY
Exercise Science
Self-Perceived Function on Squatting Kinematics in Individuals with Patellofemoral Pain
Advised by: Neal Glaviano

ALLISON APPEL
Pathobiology
Whole Genome Sequencing and Phylogenetic Analysis of West Nile Viruses from Animals in Connecticut, USA, 2021
Advised by: Guillermo Risatti and Dong-Hun Lee

JNANASRAVANTHI ATHINA
Computer Science & Engineering
Improving Web-based Scheduling Systems: A Machine Learning Approach
Advised by: Wei Wei

KATHRYN SEAN ATKINSON B
Nutritional Sciences
Cenabis Bene: A Culinary Odyssey through Apicius
Advised by: Alexia Smith

VICTORIA ANDREA BALLESTAS S/STEM
Biomedical Engineering
Neuronal Cell Viability in Gelatin Hydrogels to Model Traumatic Brain Injuries
Advised by: Fayekah Assanah

ALESIA BALLIJ
Political Science
The Effects of Reproductive Rights on Education and Public Hearings in the Legislative Process
Advised by: Jennifer Sterling-Folker

KIARA BALLIJ
Political Science
Readings In Human Rights: The Right to Education and Mental Health in the United States
Advised by: Jennifer Sterling-Folker

ABIGAIL BAR NE
Ecology & Evolutionary Biology
Variation in Phytopathogen Host-Specificity across a Tropical Rainfall Gradient
Advised by: Robert Bagchi

MATTHEW BARNWELL IV NE
Communication
Marketing Strategies in Professional Sports
Advised by: Thomas Meade

QUINN BARON
Psychological Sciences
Evaluating Well-being during the Regional Student Campus Transition
Advised by: James Chrobak

SARAH BELLIZZI
Physiology & Neurobiology
Cues Guiding Postnatal Neuron Migration in Mouse and Human
Advised by: Joanne Conover

JOAO BENITES
Business Data Analytics
Predicting Match Results in the Peruvian Primera División
Advised by: David Wanik

NICHOLAS FRANK BENVENUTO
Chemical Engineering
Investigating RIN Valuations of Anaerobic Co-Digestion Biogas: Advancing Renewable Energy through Science-Based Policy Choices
Advised by: Jeffrey McCutcheon

ROSS SCOT BERNSTEIN STEM
Physiology & Neurobiology
Primary Outcomes of VTE Prophylaxis after Elective Spine Surgery
Advised by: John Redden Special Program in Medicine

SHEYLIAN BERRIOS NE
Human Development & Family Sciences
Analysis of the School-to-Prison- Pipeline, Policies, and Future Implications
Advised by: Laura Donorfio

RAHUL N BHAGWANI NE/STEM
Computer Science & Engineering
Anomaly Detection in Machine Audio using Machine Learning
Advised by: Dongjin Song

ANDREW SAM BOGATZ
History
Social Diagnosis: Clinical Social Work's Founding Charter
Advised by: Christopher Clark

KATHERINE ROSE BOHNER NE
Molecular & Cell Biology
Loading and Localization of Iodine Nanoparticles (INPs) in Advanced Patient Derived Xenograft (PDX) High-Grade Gliomas (Glioblastoma Multiforme, GBM) with Closed and Open Blood-Brain Barriers (BBB)
Advised by: Henry Smilowitz

NAHAAL BOLURIAAN
Marketing
Assessing Leadership in Business: A Critical Investigation of Reed Hastings
Advised by: Nell D'Auria

SHAKTHI BOOBALAN B
Physiology & Neurobiology
Single-Cell Time Lapse Imaging Analysis Reveals that Erythropoietin does not Impact Fate Determination of the Megakaryocyte Erythroid Progenitor
Advised by: Joanne Conover

ALEXANDRIA ELISABETH BOUTIN B
Animal Science
Effects of Oxytocin on Reproductive Health, Milk Composition, and Caregiver Interactions in Cows
Advised by: Steven Zinn

BRENDAN MICHAEL BRAATZ B/STEM
Biomedical Engineering
In Vitro Model for Traumatic Brain Injuries and Clinical Applications
Advised by: Kazunori Hoshino

SARAH ELIZABETH BRADSHAW B
English
Shakespearean Constellations
Advised by: Charles Mahoney

EDEN ORLI BRAMSON NE
Physiology & Neurobiology
Anatomical Identification of Electrode Placement via Histological Analysis in Rats
Advised by: John Salamone

XAVIER GUSTAV BRAUN NE
Physics
Investigating the Thermal Evolution of Young Stellar Objects in the Galactic Center
Advised by: Cara Battersby

DANICIA MABLE BROWN NE
English
Black Femininity in America and Germany
Advised by: Briona Jones

JALYN MICHELLE BROWN NE
Political Science
Let Freedom Ring: Comparing the Speeches of Black and Indigenous Political Thinkers of the Civil Rights Era
Advised by: Jane Gordon

RYAN WILLIAM BROWN NE
Computer Science & Engineering
Demonstrating Real-Time Inference Using a Microcontroller
Advised by: Caiwen Ding

GARY VINCENT BROWNBILL
Anthropology
A Review of the Influence of Smoke Exposure on Oxygen Isotope Fractionation and the Oral Microbiome Communities in Rats
Advised by: Gideon Hartman

LEAH RUBY BURSTEIN
Nursing
The Impact of Birth Plans on Patient Experience
Advised by: Carrie Eaton

JORDAN NICOLE BUSLEWICZ B
Environmental Engineering
Lithium Monitoring via Ion Selective Membranes and Recovery via Capacitive Deionization
Advised by: Baikun Li

DANIEL PATRICK BYRNE
Mathematics
Lambda Calculus
Advised by: David Solomon

FRANCINE YING CAI NE
Physiology & Neurobiology
The Role of Ketone Bodies in Delaying Neurodegeneration Caused by Traumatic Brain Injuries in the Drosophila melanogaster model
Advised by: Geoffrey Tanner

KAYLA NICOLE CAMERON B/STEM
Physiology & Neurobiology
Investigating the Effects of Cannabinoid Agonists and Phosphodiesterase Inhibitors on Migration Inhibition of U87 Glioblastoma Cell Line via Wound-healing Assay
Advised by: Henry Smilowitz

GRACE MADDI CANCIAN
Biological Sciences
Scientific Visualization and its Necessary Role in Scientific Advancement
Advised by: Louise Lewis

ALESANDRA ELAINE CARLOS B
Diagnostic Genetic Sciences
Validation Assay of Digital Polymerase Chain Reaction on QIAcuity One for Detection of Constitutive Copy Number Variants Previously Identified in Chromosomal Microarray
Advised by: Stephen Lanno

ASHLYN ROSE CARTIER NE
Anthropology
A Zooarchaeological Meta-Data Analysis of Early Animal Domestication in the Neolithic Northern Levant
Advised by: Natalie Munro

ANNA ROSE CASINGHINO SPL
Political Science
The Effects of Wealth and Conflict on Power Dynamics
Advised by: Matthew Singer

CARINA DANIELLE CASSANO B/SPPh
Doctor of Pharmacy
Characteristic and Health Behavior Differences Between High and Low Intuitive Eaters in a College Population
Advised by: Valerie Duffy

SHARANYA CHANDU NE
Health Care Management
A Systematic Literature Review of Telehealth for Health Equity in Pediatric and Women's Health Care: Promise vs Reality
Advised by: Shane Murphy

SHARANYA CHANDU NE
Physiology & Neurobiology
Effects of Creative Movement & Play Based Interventions on Motor Skills of Children with Autism Spectrum Disorder: Results from a Randomized Controlled Trial
Advised by: Sudha Srinivasan

ALEXANDER CHANDY STEM
Computer Science
Automatic Identification of Jetting Behavior in 3D Printing with Binary Classification and Anomaly Detection
Advised by: Qian Yang

PETER WILLIAM CHARDAVOYNE B
Electrical Engineering
Passive Solar Lumber Drying Kiln
Advised by: Sung Yeul Park

ERIK CHOI H/NE
Physiology & Neurobiology
Understanding the Fate of Stem Cells in FOP after Knockout of the Sox9 Gene
Advised by: David Goldhamer

SAMANTHA CHOW NE
Doctor of Pharmacy
Review of the Pharmacology and Place in Therapy of Vortioxetine in the Treatment of Major Depressive Disorder
Advised by: Kristin Waters

KARA KOEHLER CHRISTENSEN NE/SPMD
Molecular & Cell Biology
Cellular Pathogenesis of Glioblastoma and Potential Treatments
Advised by: Kenneth Campellone

CAMERON CIANCI NE/STEM
Physics
Fourier Acceleration in the Linear Sigma Model
Advised by: Luchang Jin

SILAS DAVID CIANCI
History
The Northern Territories Dispute: Japan's National Museum of Territory and Sovereignty
Advised by: Victor Zatsepine

MARISSA CICCARINI NE
Molecular & Cell Biology
The Genetic Implications of Language Acquisition
Advised by: Sarah Hird

RACHEL MARIE CIEPLAK NE
General Program in Music
De Profundis: Exploring the Liturgical and Compositional Development of Music in the Roman Catholic Church
Advised by: Eric Rice

HANNAH ELIZABETH CLARK
Mathematics
Project Social Perception: An Examination of Texturism Across Ethnicities
Advised by: Nairan Ramirez-Esparza

ALEX CLONAN
Molecular & Cell Biology
A Physiologically Inspired Model for Speech Recognition in Noise
Advised by: Monty Escabi

HANNAH RITA COLMAN
Exercise Science
Investigating Force Production Variables as Markers for Performance in Collegiate Basketball Athletes
Advised by: Julie Burland

BAILEY CONKEY SPPh
Doctor of Pharmacy
Analysis of Medication-Related Problems Among Cambodian-Americans with Depression and Risk for Diabetes
Advised by: Christina Polomoff

SHANE THOMAS CONNOLLY NE
Biological Sciences
Mechanistic Examination of Protist Mediated Plant Growth through the Comparative Development of Medicago Truncatula
Advised by: Daniel Gage

RYAN THOMAS CONRAD B
Physiology & Neurobiology
Effort-Related Effects of the Dopamine D3/D2 Partial Agonist Cariprazine
Advised by: John Salamone

YESENIA CONTRERAS NE/S/STEM
Allied Health Sciences
Feasibility Study on Medication Reconciliation Application Feedback from the Pharmacy Team's Perspective
Advised by: Sean Jeffery

TESS COOK NE/SPPh
Psychological Sciences
Exploring the Relationship Between Language Abilities of Children with ASD and Parenting Stress
Advised by: Deborah Berger

JESSICA LYNN COOPER NE
Elementary Education
Autism, Gender, and Identity in College Students
Advised by: Catherine Little

WYATT JAMES COTE
Journalism
In Recovery, In College
Advised by: Marie Shanahan

LINDSEY ROSE COWDEN NE
Animal Science
Proteomic Profiling of Edwardsiella Tarda in Response to Oxygen Nanobubbles
Advised by: Abhinav Upadhyay

LINDSAY FAITH DALY
Psychological Sciences
The Influence of Attachment Style on Worry Conversations between Emerging Adult Friendships
Advised by: Kimberli Treadwell

ASHITI DAMANIA NE/STEM
Molecular & Cell Biology
Role of Developmentally Regulated Factors in Retinal Ganglion Cell Survival and Axon Regeneration after Optic Nerve Injury
Advised by: Feliks Trakhtenberg

ALYSSA MARY DANIELS B/BOLD
Physiology & Neurobiology
Understanding the Associations between Social and Emotional Expression, Communication, and Relationships in Individuals with Eating Pathology
Advised by: Amy Gorin

VINAYAKA V DESAI
Physiology & Neurobiology
Changes in Vascularization in a Murine Model of Supratentorial Ependymoma
Advised by: Joseph Loturco

ELANNAH FAITH DEVIN B
Political Science
Testing the Limits: Exploring Regime Response to Solidarity, Adaptation, and Domestic Protest Movements
Advised by: Daniel Pressman

CHANDRIKA DHAVALA STEM
Biomedical Engineering
Applications of Microfluidics and Organ-on-a-Chip as In-Vitro Model Systems
Advised by: Syam Nukavarapu

MANSI DHOND STEM
Management & Engineering for Manufacturing
Evaluating the Combination of Seaweed Farming and Aquaculture to Optimize Profitability, Process Efficiency and Carbon Sequestration Potential
Advised by: Craig Calvert

SHREYA SYLEE DHUME SPL
Marketing
Assessing Leadership in Business: A Critical Investigation of Melanie Perkins
Advised by: Nell D'Auria

JESSICA NICOLE DILLON SPPh
Doctor of Pharmacy
Longitudinal Assessment of Pharmacy Student Attitudes towards Mental Illness
Advised by: Kristin Waters

TAYLOR MARIE DOMINGUE B/STEM
Molecular & Cell Biology
Investigating the Disassembly of F-actin-rich Cytoplasmic Territories during Intrinsic Apoptosis
Advised by: Kenneth Campellone

ALEXANDRA DOMINGUEZ B
Individualized: Global Studies
North Korean Deforestation Solutions: How a Multi-Level Approach can Facilitate Inter-Korean Cooperation
Advised by: Eleanor Ouimet

WILLIAM JAMES DORION NE
Biological Sciences
It is Worse Than it Seems: A Meta-Analysis of the Multi-trophic Level Effects of Micro-plastics in the Marine Environment
Advised by: Christine Simon

PAIGE THERESA DOSSIAS B
Nutritional Sciences
The Effects of Bacterial Glycine Lipids on Adipose Tissue Inflammation and Function
Advised by: Christopher Blesso

PHOEBE DRUPA
Animal Science
Applications and Effects of Probiotic Use in Dogs and Cats: A Literature Review
Advised by: Mary Amalaradjou

JEFFREY DUAN NE/STEM
Computer Science

BRENDON JOHN DUKETT
History
The Hidden History of Connecticut's Guardians: Their Role as Native American Overseers in New London County from 1720 to 1760
Advised by: Nancy Shoemaker

TARYN KEELY DUNCAN B
Finance Assessing
Leadership in Business: A Critical Investigation of Mary Barra
Advised by: Nell D'Auria

DERBY EGYIN
Human Rights
Understanding the Impact of Colonization in Ghanaian Society: A Comparative Analysis of Ghanaian Society Pre and Post Colonization
Advised by: Barbara Gurr

SAFA MOHAMMED EL-MOUWFI NE
Molecular & Cell Biology Exploring
Gut-Brain Communication: The Effects of the Gut Microbiota on Anxiety and Depression
Advised by: Joerg Graf

TAYLOR ANN EMMERICH B/SPE
Elementary Education
Family Engagement in Connecticut Public Elementary Schools
Advised by: Catherine Little

LIAM PATRICK ENDE
Finance
Assessing Leadership in Business: A Critical Investigation of Jeff Bezos
Advised by: Nell D'Auria

RAYNA MORRISON ESCH B
Molecular & Cell Biology
Characterization of Fascia Injury and Repair in Fibrodysplasia Ossificans Progressiva
Advised by: David Goldhamer

BRYAN ESTRELLA NE
Mathematics-Actuarial-Finance
Access to Insurance: Developing Insurtech in Emerging Markets
Advised by: Britta Hay

MARLA EMILY FAIS
Biomedical Engineering
Evolution of Mammogram Machine Component Potential Influence on Patient Discomfort
Advised by: Krystyna Gielo-Perczak

DANIELLE COLETTE FALCI
Anthropology
Paleoenvironments in Late Pleistocene Sicily
Advised by: Christian Tryon

IAN SCOTT FERGUSON NE
Finance
Assessing Leadership in Business: A Critical Investigation of Ray Dalio
Advised by: Nell D'Auria

JULIANA CARMELA FERRANTI NE/STEM
Biological Sciences
An Exploration of how College Students Perceive Trusting Relationships with their Instructors
Advised by: Xinnian Chen

ALISA YANA FEYGIS NE
Psychological Sciences
The Moderating Effect of Structural Factors on Individual Anxiety Levels in the U.S.
Advised by: BlairJohnson

MARC ANTHONY FICARO
Finance
Assessing Leadership in Business: A Critical Investigation of Elon Musk
Advised by: Nell D'Auria

EMILY MATSUNO FINDLAN R
Nursing
The Functions and Perceptions of Reminiscence in a Sample of Older Adults Living in a Residential Care Community
Advised by: Juliette Shellman

OWEN MICHAEL FIORE NE
Individualized: Data Science
Was Devon Allen Unjustly Disqualified at the 2022 World Track and Field Championships
Advised by: Jun Yan

AMY MARIE FLIS SPPh
Structural Biology/Biophysics
Development of Protein-based Molecular Tension Sensors for Live-cell Imaging
Advised by: Yi Wu

ARYANNA FAITH FONTANEZ
Civil Engineering
Nonlinear Structural Analysis of Reduced Web Section Beams Using Finite Elements
Advised by: Jeongho Kim

LILY ELIZABETH FORAND BOLD/NE
Political Science
Use of Covert Racist Language in Local Level Housing Conflicts
Advised by: Jeffrey Dudas

MADISON PAIGE FORMANEK NE
Speech, Language & Hearing Sciences
Investigating Persistence Behavior in Children with Developmental Language Disorder
Advised by: Tammie Spaulding

HANNAH CATHERINE FORTUNE [B]
Animal Science
Decreasing Stress by Improving Gut Microbiota: Feeding Probiotics to Yorkshire Pigs to Reduce Stress Using Weight as a Biomarker
Advised by: Amy Safran

SOUMYA L GANTI [B]
Political Science
The People vs Company: Exploring the Effects of Consumer Boycotts on Corporate Social Responsibility in the Israeli-Palestinian Conflict
Advised by: Daniel Pressman

NITANTA BASAVARAJ GARAG [NE]
Biomedical Engineering
The Relationship of Novel Human Genes to 3D Genome Organization and Function
Advised by: Jelena Erceg

DAVID ALBERTO GARCES [NE]
Marketing
In-Group and Out-Group Endorsement Representation on Willingness To Buy: The Impact of Celebrities vs Non-Celebrities in Advertising
Advised by: Kelly Herd

CHRISTOPHER DANIEL GAYDA [B]
Accounting
Assessing Leadership in Business: A Critical Investigation of Tim Cook
Advised by: Nell D'Auria

AGRON GEMAJLI [NE]
Computer Science
Container Security in the Cloud: Comparative Analysis of the Different Cloud Systems
Advised by: Kriti Bhargava

CASSANDRA FAITH GEORGE [NE]
Molecular & Cell Biology
Analyzing Disorder and Structure of HPV Early and Late Stage Proteins via In Silico Conformation Analyses
Advised by: Brian Aneskievich

ADRIAN STRICKLER GIBSON [STEM]
Electrical Engineering
Light Intensity Modulator Design
Advised by: Sung Yeul Park

LAUREN ERICA GOBLER [NE]
American Sign Language Studies
Community Engagement Experience at the American School for the Deaf
Advised by: Linda Pelletier

GRACE ANN GOETZ [B]
Biomedical Engineering
Development of a Novel hiPSC-derived 3D ALI Tri-Culture Model to Investigate SARS-CoV-2 Infectivity in the Lung
Advised by: Patrick Kumavor

JASON GOGUEN
Mathematics/Actuarial Science
Study, Redesign, and Construction of UConn Baseball Scouting Reports
Advised by: Stephen Camilli

WENQI GONG [NE]
Economics
Family Economics and Mental Health
Advised by: Tianxu Chen

ANDREA GONZALEZ
Communication
Media Multitasking, Social Media, and its Effect on College Student's Mental Health
Advised by: Anne-Marie Basaran

JACQUES MAURICE GOOSEN
Computer Engineering
Ultrawide Bandgap Material Identification for High Power, High Temperature, and High Frequency Applications
Advised by: A. Anwar

SARAH GORDON [NE]
Mechanical Engineering
Advanced Control Synthesis for Vibration Mitigation
Advised by: Jiong Tang

ZARYAH KAYDENCE GORDON [R]
Biological Sciences
Possible Motivations Behind Vaccine Hesitancy Among Black Americans During the Covid–19 Pandemic and the Importance of Cultural Competency
Advised by: Martina Powell

DANIEL ADRIAN GORMAN
Mechanical Engineering
Optimization of Wire-Rope Drum for Use in Theatrical Settings
Advised by: Hongyi Xu

MANDIRA GOWDA [H/STEM]
Physiology & Neurobiology

LEAH KATHRIN GRAF [NE]
Nursing
A Structured Life Review Intervention to Improve Life Satisfaction in Home Health Service Patients
Advised by: Juliette Shellman

LAUREN ALYSSA GRANATO [B]
Allied Health Sciences
Efficacy of a Joystick-operated Ride-on-toy Training Program to Promote Upper Extremity Control in Children with Hemiplegic Cerebral Palsy
Advised by: Sudha Srinivasan

TIJHUAN ABIGAIL GRANT-CHRISTIE
Physiology & Neurobiology
The Localization of Cytochrome P450s in Drosophila Antennae
Advised by: Karen Menuz

HALEY ELIZABETH GRAYSON [B]
Physiology & Neurobiology
The Role of Srp in Programmed Cell Death in the Drosophila Ovary
Advised by: Jianjun Sun

LEROY ANTHONY GRIFFITHS JR [R]
Physiology & Neurobiology
Effects of Ketogenic Diet on Fertility and Larval Development in Drosophila Melanogaster (Canton S Strain)
Advised by: Geoffrey Tanner

HADRIEN GRUBE [STEM]
Pathobiology
Using Immunoassays to Detect ORFs for PRRS Virus
Advised by: Antonio Garmendia

OLIVIA ROSE GUINNESS [NE]
Molecular & Cell Biology
Oncolytic Virus Immunotherapy: Development and Potential for Cancer Treatment
Advised by: Joerg Graf

MEGHANA ANJALI GUNNAMREDDY
Physiology & Neurobiology
Acute Effects of Yoga on Adults with Cognitive Impairment: A Meta – Review
Advised by: Linda Pescatello

CHRISTIAN ANTHONY GURRIERI
Mechanical Engineering
The Effect of Pitch Control on the Performance of a Low Flow Vertical Axis Turbine
Advised by: Georgios Matheou

ANAHI VICTORIA GUTIERREZ [NE/R/STEM]
Exercise Science
The Effects of Tai Chi on Cognition in Cognitively Impaired Adults
Advised by: Linda Pescatello

ERIC CHRISTIAN HABJAN
Physics
Direct Measurements of Electron Density, Temperature, and Chemical Abundance of HII Regions in NGC 4254
Advised by: Christopher Faesi

DEEMA HAIDAR
Allied Health Sciences
Dentistry on TikTok
Advised by: Sherry Pagoto

NICHOLAS HALL [B]
Economics
Stringency in Occupational Licensing Requirements: Explanations and Effects
Advised by: Mikhael Shor

JENNIFER CAITLYN HALPERN NE
Digital Media & Design
Camp Hemlock
Advised by: Heejoo Kim

HAILEY ANN HAMILTON
Physiology & Neurobiology
Effort-Related Motivational Effects of the Atypical Dopamine Uptake Transporter Inhibitor MK-33: Effects on Fixed Ratio Schedule Performance and Progressive Ratio/Chow Feeding Choice Performance
Advised by: John Salamone

HAILEY ANN HAMILTON
Political Science
The Impact 21st Century Technological Advancements has had on Russian Military Strategies, Warfare, and Human Security
Advised by: Matthew Singer

SARAH ELIZABETH HANNA B/SPMD
Individualized: Health & Public Policy
The Impact of Adolescent Maternal Age on Neonatal Outcomes and Neurodevelopment
Advised by: Sharon Casavant

WILLIAM NICHOLS HAWES
Economics
Freeing the Songbird: Optimizing Organizational Formalization for Entrepreneurial Businesses
Advised by: TaliaBar

KATHERINE MAE HAYWARD
Individualized: Global Health
The Intersection of Pesticide Policy, Exposure, and Student Health at UConn
Advised by: Eleanor Ouimet

JAYDEL HERNANDEZ R
Psychological Sciences
Development of ToM in Autistic Youth: The Potential Impact of Language
Advised by: Letitia Naigles

JOHN ELLIOTT ROSS HIGGINS B
Political Science
Arming Abuse: Examining Inconsistencies in U.S. Arms Transfer Policy in Relation to Human Rights
Advised by: Evan Perkoski

ANNE HO
Accounting
Assessing Leadership in Business: A Critical Investigation of Eric Yuan
Advised by: Nell D'Auria

EMMA CAROLE HODGES NE
Cognitive Science
Does Listening Equal Learning? An Examination of the Effect of Attention on Adaptation to Novel Speech
Advised by: Rachel Theodore

SERENA JEAN HOGAN NE/STEM
Computer Science & Engineering
Hardware Acceleration for Natural Language Processing in Real-time Systems
Advised by: Caiwen Ding

GAVIN JACOB HOLBROOK
Physics

GAVIN JACOB HOLBROOK
Philosophy

MASON HOLLAND
Political Science
What the Hell do you have to Lose?: The Spectacle and False Consciousness among Black Male Trump Supporters
Advised by: Frederick Lee

LAUREN TAMSYN HONE
Electrical Engineering
Development of a Manufacturing Machine to Produce Copper Bonding Mesh
Advised by: Necmi Biyikli

VICTOR MINN HTUT NE
Finance
Assessing Leadership in Business: A Critical Investigation of Rose Marcario
Advised by: Nell D'Auria

MOHAMMED MUSA H/NE
Hussain Political Science
A Moral Wage: Exploring Republican Presidential Administrations' Moral Framing of the Minimum Wage
Advised by: Matthew Singer

SARAH DANIELLE IBRAHIM
Allied Health Sciences
Predictors of Vaccine Hesitancy in Unvaccinated Adults in the United States
Advised by: Jessica Malek

ABIGAIL MARIE INTERRANTE NE
Molecular & Cell Biology
Obesity-induced Metabolic Dysfunction and Inflammation in the CETP-ApoB100 Transgenic Mouse Model
Advised by: Ji-Young Lee

LIZZETTE IVELISSE IRIZARRY
Latino & Latin American Studies
How the Instructional Structure of a Class Shapes or Influences the Sense of Belonging and Cultural Identity of Hispanic Students in Middle School
Advised by: Anne Gebelein

NIHA IRSHAD
Physiology & Neurobiology
Threat Appraisal as a Moderator between PTSD Symptoms, Perceived Control, and Cardiovascular Reactivity in Women who have Experienced Unwanted Sexual Contact
Advised by: Crystal Park

PAUL J ISAAC H/SPMD/STEM
Diagnostic Genetic Sciences
Optimizing a Bioinformatic Pipeline for Detecting Bacterial and Fungal Outbreaks
Advised by: Stephen Lanno

PAUL J ISAAC H/SPMD/STEM
Molecular & Cell Biology
To "B" or not to "B": An Investigation of B and Sex Chromosomes in L. polyphemus
Advised by: Rachel O'Neill

MELONIE JESSICA JACKSON STEM
Mathematics/Actuarial Science
Using Videogame Pity Systems as a Basis for Rewarding Insurance Policies with Favorable Risk Performance
Advised by: Jeyaraj Vadiveloo

CASEY LYNN JAYCOX B
Psychological Sciences
Implications of Schedule Control in the Relationship between School and Work Conflict for Student Workers
Advised by: Janet Barnes-Farrell

CATHERINE ANNE JENNINGS NE
Biological Sciences
Selfish Genetic Elements in Actinobacteriophages
Advised by: Johann Gogarten

CONNOR JEWELL NE
Chemistry
Quantitative Analysis of the Proteomic Selectivity of Acidic Reductive Alkylation of Peptides
Advised by: Xudong Yao

JULIA RACHAEL JOHNSON B
Cognitive Science
Cats Say Meow: Parent Use of Generics Reflected in Child Language Level
Advised by: Letitia Naigles

MAHITHA JUTTU
Physiology & Neurobiology

SOWANDAREYA KALAIARASU NE/STEM
Molecular & Cell Biology
Side Effects following Topical Corticosteroids Usage in Pediatric Atopic Dermatitis
Advised by: Sharon Smith

ROSE YASAMIN KARVANDI BOLD/NE
Physiology & Neurobiology
Exploring the Moderators of the Relationship between Sleep Impairment and Cortisol Levels in Cancer Survivors
Advised by: Crystal Park

JACKSON DAVIS KASZAS
Materials Science & Engineering
Metal Recovery from E-waste and Subsequent Waste Treatment
Advised by: Fiona Leek

JULIA KATSOVICH NE
Political Science
Tuned In and Sworn In: Examining Senators' Preferences during Supreme Court Confirmation Hearings over the Ages of Television and Polarization
Advised by: Kimberly Bergendahl

MICHAEL J KATZ B
Biomedical Engineering
Optimization of Reagent Absorption in a Microfluidic Chip through Cyclic Vacuum Flow
Advised by: Patrick Kumavor

OLIVIA MARIE KENNEDY
Allied Health Sciences
Acceptability and Feasibility of Pre-Exposure Prophylaxis (PrEP) Two-way Short Message Service (SMS) Text Message Reminders in Communities of People who Inject Drugs (PWID)
Advised by: Roman Shrestha

AALIYAH VANESSA KERR
Political Science
The Tale of Two Cities: The Connection Between Racist and Discriminatory Housing Policies and Access to Quality Food in Urban Communities.
Advised by: Virginia Hettinger

ONDREA JANELLE GLORIA KERR R
Physiology & Neurobiology
Effect of Ketogenic Diet on Length of Drosophila (Model Organism) Developmental Cycles
Advised by: Geoffrey Tanner

SHIHAB KHALFALLA NE
Computer Science & Engineering
Active Search for Autonomous Annotation of Sensing Data in Advanced Manufacturing
Advised by: Sheida Nabavi

TAAMIR AIDEN KHAN
Computer Science
BERT for Financial Sentiment Analysis
Advised by: Phillip Bradford

VENKATANATHAN KIDAMBI NE
Biomedical Engineering
Light Sheet Microscopy Incubation and Long Duration In-Vivo Imaging
Advised by: Kazunori Hoshino

PETER ANDREW KIERNAN B
Physiology & Neurobiology
Reproducibility and Time Course of Postexercise Hypotension during Exercise Training Among Adults with Hypertension
Advised by: Linda Pescatello

AUSTIN MYUNGHOON SEAMUS KIM
Economics
The Impact of Health Resources on COVID-19 Patient Recovery
Advised by: Min Seong Kim

JENNIFER KIM NE/STEM
Biomedical Engineering
Numerical Identification of Chaos in Dynamical Nonlinear Models using COPASI
Advised by: Pedro Mendes

ANDERS ROBERT KLEINBECK
Molecular & Cell Biology
The Evolution of Methicillin Resistance in Staphylococcus aureus
Advised by: Andrei Alexandrescu

CAMERON KLEMME
Individualized: Law, Justice & Society
The Misrepresentation of America's Civic Voices: How Internalized Racial Stereotypes Influence Democratic Participation
Advised by: Jamie Kleinman

NATALIE JEAN KLIMASZEWSKI B
Physiology & Neurobiology
Implications of the Synaptic Organizing Agents Neurexin and Neuroligin on Autism Spectrum Disorder
Advised by: Joseph Crivello

CECELIA RAE KLOTZER NE/SPL
Human Rights
Marxism and Human Rights
Advised by: Phoebe Godfrey
Special Program in Law

MANOGNA REDDY KOMMA STEM
Biomedical Engineering
Combining Negative Pressure Wound Therapy and Microneedle Arrays into a Smart System for Chronic Wounds
Advised by: Ali Tamayol

JONATHAN TIMOTHY KORSUNSKIY NE/STEM
Biological Sciences
An Overview of How HGPS Progeria Cells Effect Lamin A to Inhibit DNA Damage Repair
Advised by: Kenneth Campellone

NEAL KRISHNA H/NE/SPMD
Physiology & Neurobiology
Environmental Dependence of Star Formation Efficiency in Spiral Galaxy NGC 4254
Advised by: Christopher Faesi

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Creating Reproducible Environments with Nix for Scientific Computing
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The Use of RNA Interference to Modulate Inflammatory Cytokine Expression Pertinent to Sepsis from COVID-19
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Possible Effects of Sexual Health Education on Health Behaviors and Indicators
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Association of Insurance Status and the Ability to Schedule Orthopedic Appointments in Connecticut
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Meaning in Life as a Moderator of Distress Following a Traumatic Event
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The Aggregate Questionnaire System (AQS): A Desktop Application for Efficiently Administering and Scoring Multiple Overlapping Questionnaires Assessing Converging Constructs
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Risk Assessment of Novel PFAS Groundwater Contamination
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Empowering Individual Expression: An Investigation of Selected Acting Techniques to Encourage Unique Expression in People with Autism and Other Disabilities
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Optimization of High-Performance Liquid Chromatography for Evaluating Efficacy of Triple Reuptake Inhibitors
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Allied Health Sciences
Perceived Food Environment and Diet Quality of Spanish Speaking Individuals from Low-income Communities
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Doctor of Pharmacy
Investigating Microbial Metabolism of Garcinia mangostana by the Human Gut Bacterium Clostridium sporogenes
Advised by: Marcy Balunas

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Statistics
Understanding the Relationship between Sleep, Physical Activity, Diet, and BMI to help Young Woman make Intentional Choices to form Healthy Habits
Advised by: Elizabeth Schifano

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Psychological Sciences
Literature Review: Effects of Physical Symptoms on Mental Illness
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Psychological Sciences
Approach Bias for Food Stimuli in Undergraduate Students
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Don't Break Your Controller, a Game Designed to Address Gamer Rage
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How do Sediment Additions to Submerging Saltmarshes Alter Methane Dynamics?
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Family, Race, and Migration: The Legacy of Eugenic Immigration Policies
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Molecular & Cell Biology
Current Treatment and Prevention Measures for Hospital Acquired Methicillin Resistant Staphylococcus aureus (HA-MRSA) Infections
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Molecular & Cell Biology
Expanding Understanding of Regioselective Control in Ring-Opening Reactions with Flow Chemistry
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The Cycle of Inequality: Understanding the Impact of White Flight on Educational Inequity
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Deconvoluting the Protective Antibody Responses to Whole Cell Pertussis (wP) Vaccines in a Mouse Intranasal Challenge Model
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The Establishment vs. the People: High School Student Activism in East Los Angeles and Paris, 1968-1978
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Assessing the Effects of Pergolide on the Motivational Aspects of Depression in Rats
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Individualized: Health
Policy & Disparities Tracing Disputes among Academic Physicians: A Case examining Cosmetic Procedures
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A Study of Math Teachers' Perspectives on Equity
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Concert Livestreaming Platforms: User Experience on Social Media versus Built-for-Function Streaming Platforms
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Elements of a Successful Clarinet Concerto in Practice
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Special Education Teachers' Stress and Stress Management in the Era of COVID-19
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Using Dynamic Graphics in Teaching Statistical Concepts
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Engineering Physics
Renewable Microgrid Design for Camp Hartell and AASF
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Human Development & Family Sciences
Nonresident Fathers and Attachment Style: How the Paternal Relationship Affects Attachment Style in the Adult Child's Relationships
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The Importance of Reading to Infants in the NICU
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Biomedical Engineering
Biophysical Differences in the Anterior Talofibular Ligament based on Activity Levels and Types, for Investigation of Parameters Relevant to Personalization of Suture Anchors for Use in the Brostrom Procedure
Advised by: Krystyna Gielo-Perczak

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Surface Integrity Analysis of the Ventricular-Subventricular Zone in Post-infectious Hydrocephalus
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How Dunbar's Number has shaped Society
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Assessing Leadership in Business: A Critical Investigation of Elon Musk
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Torsional Rigidity for FSAE Frame: Computational Simulation and Validation for Merit Metrics
Advised by: Julian Norato Escobar

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Mathematics Education
An Examination of Elementary School Students' Opinions about Mathematics
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Understanding and Mitigating Operational Risk within the Foreign Exchange Market
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Allied Health Sciences
Analyzing the Downstream Effects of siRNA Targeting in an HD11 Model
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Molecular & Cell Biology
The Gut Microbiome's Impact on Cardiovascular Disease
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Computational Investigations into Antibody Binding for the SARS-CoV-2 Spike Protein
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Assessing Leadership in Business: A Critical Investigation of Hamdi Ulukaya
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Measuring the Acceleration of the Milky Way with Pulsar Timing
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The Usage of Animal-assisted Therapy in Educational Settings
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Unpacking Dragons and Mermaids: Monstrosity, Perversity, and Power in the Crime Fiction of Stieg Larsson and Val McDermid
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Characteristics of Unsheltered and Chronic Homeless in the Longitudinal CHESS Evaluation: A Cross-Sectional Analysis of Baseline Data
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Riots, Routes, and Unlawful Assemblies: Boston's Urban Laboring Classes in the American Revolutionary Era (1760-1776)
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Is Determinism Compatible with Blameworthiness?
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A Cross-Sectional Study--Working Hours, Sleep, and Burnout among Athletic Trainers employed in College Athletics
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Financial Literacy among Connecticut Undergraduates: Assessing Knowledge & Confidence
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Change of Measure in the Context of Stochastic Processes with Financial Applications
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Interventions for Music Performance Anxiety
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Immigrant Bullying: Justifications and Ratings based on Teacher Responses and Acceptance
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Social Perception of Primary Characteristics
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Design and Development of a Programmable Lithium-Ion Battery Tester
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Warming-induced Changes in Body Size and Abundance of the Copepod Acartia Tonsa during the 21st Century
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Mathematics Education
Higher Education Burnout: The Effect of Burnout on Students and Methods of Mitigation
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The Effects of an Atypical DAT Inhibitor MK-36 on Effort Related Choice Behavior in Rats
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Cancer Stem Cells, Collagen, and Iodine Nanoparticle Labeling of Orthotopic Human Triple Negative Breast Cancer and its Brain-Homing Homolog in Athymic Mice
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The Effectiveness of Symptom Management in Oncology Patients
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Energy Consumption and Efficiency Initiatives for Building 274
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Security Analysis of Semiquantum Key Distribution
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Delivery of CRISPR/sgRNA Ribonucleoprotein Complex to Cells
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A Critical Review of Mental Health Symptomatology in Children's Literature
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Acute Kidney Injury in the Aging Population
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Counterfactual Conditionals, Possibility, and Impossibility
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Management Information Systems
The Impact of Virtual Reality Meditation Intervention on Young Adults with Generalized Anxiety Disorder
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Biomedical Engineering
Biomechanical Analysis of Suture Anchor and Shaft Inserter System
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Psychological Sciences
The Contribution of Self-compassion to Anxiety and Mood in Daily Life
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Assessing Leadership in Business: A Critical Investigation of Indra Nooyi
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How Do People of Different Racial Identities Recall Information about Perpetrators and Targets of Racism?
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Assessing Leadership in Business: A Critical Investigation of Jean-Paul Agon
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Understanding the Relationship between B Chromosomes and Nondisjunction in Drosophila melanogaster
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Observation and Magnetic Modulation of Exciplex Emission
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Assessing Leadership in Business: A Critical Investigation of Mary Barra
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Modeling Accurately Matters: Characterizing Optimal Use of NOE Restraints for Molecular Dynamics Simulation of Small Proteins and Peptides
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Awareness and Utilization of Healthcare Services and Resources in Underserved Communities of Connecticut
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Whom Do You Trust?: A Look into the Effects of Political Polarization on One's Trust in the Federal Government
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Monitoring PM2.5 Pollution in North Hartford, CT
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Covert Regime Change: An Exploration of Russia's attempted Election Interference in the 2016 and 2020 Presidential Elections and how it violated International Law
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Microcystins in Connecticut: An Analysis of Local Waterbodies during a Growing Season
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Assessing Leadership in Business: A Critical Investigation of R. Adam Norwitt
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Quadrophobia: A Follow-Up
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Accommodation or Assimilation?: How Well are the Needs of Native and Heritage Spanish Speakers in the United States being Met?
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Exploring the Viability of Gold Jewelry as a Diversifying and Safe Haven Investment
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Psychological Sciences
The Self-Regulatory Benefits of Combat Sports within the Youth and the Impacts on Development
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Physiology & Neurobiology
Survey of Mental Health and Stressors among Pre-Medical Students at the University of Connecticut
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Julia Modeling of Thermal Evaporator for Multi-Effect Distillation of Brine
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Urban Studies
21st Century Political Agronomy: Scarcity in the World System
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Effects of Poor Maternal Nutrition on Offspring Muscle Cross-Sectional Area and Lipid Content
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Speech, Language & Hearing Sciences
Speech Perception after Mild Traumatic Brain Injury
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Civil Engineering
The Utilization of Unmanned Surface Vehicles and Unmanned Underwater Vehicles in Disasters Management
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Mechanical Engineering
The Life Cycle Analysis of the Lake Mark – Economical Hydropower Generation for Small Dams Project
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Chemical Engineering
Optimization of Tau Targeted Degradation and Engineered Nanobodies for Live Cell Imaging
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Pathobiology
Bioinformatics Analysis of West Nile Virus
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Mathematics/Actuarial Science
UConn Baseball Batting Order Optimization
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Philosophy
Look at the Screen!: Gossip in the Digital Age
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My Hair Does Not Define Me: Whether You See it or Not
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Flourishing in Relation to Nativity among U.S. Children who have Experienced the Death of a Parent
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The Bacchus is Dead!
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Molecular & Cell Biology
Defining the Role of TIGIT as an Immune Checkpoint Inhibitor in Ovarian Cancer
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Doctor of Pharmacy
Disruption of Circadian Rhythm and the Effects on Chronotherapy
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Statistical Determination of Individual Photon Characteristics from Cadmium [Cd] Red Line Visibility Data
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Diseases of Backyard Chickens from 2017-2022: A 5-year Epidemiological Profile
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Transcranial Magnetic Stimulation as an Intervention for Cannabis Use Disorder in Undergraduates
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Impact of DNA Damage Repair Timing on Delafloxacin Persistence in Escherichia coli
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Tapping the Endocannabinoid System to Treat Postsurgical Pain
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Predicting NCAA Player Development
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Religious Identity and Diabetes: A Muslim American Perspective
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Cryptographic Game Theory
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Speech, Language & Hearing Sciences
The Impact of Personality on Non-Native Speech Sound Perception
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Assessing Leadership in Business: A Critical Investigation of Steve Jobs
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Effect of SARS-CoV-2 Lockdowns on the Distribution of Anthropogenic Material in Eastern Bluebird Nests
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Molecular & Cell Biology
HPV Vaccine Initiation and Follow-through
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Animal Science
Effects of Probiotic Supplementation in Post-Weaning Swine
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The Effectiveness of Aluminum and Nickel Based Alloys Compared to Titanium when Creating Fracture Surfaces using the MIT Method
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Recovery Period: Poems
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Testing the Effect of Adenosine Antagonist Administration Timing, Sex, and Prenatal Condition on Cognitive Outcomes in Premature Infants
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The Invaluable Impact of the Nexus between Art and the Environmental Movement
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Living and Dying in 'Cancer Alley': Using Human Rights Law and Environmental Justice to Create a Litigation Framework for Marginalized Communities
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Digital Media & Design
Material World: Design for a Healthful and Equitable Future
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Investigation of Eddy Current Damping using an Electro-Magnetic Acoustic Transducer (EMAT) on a Beam Structure
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Political Science
Private Matters: Comparing the Supreme Court's Protection of Informational and Decisional Privacy Claims
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Assessing Leadership in Business: A Critical Investigation of Sheryl Sandberg
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Chemical Engineering
Comparing Air Pollution with Socioeconomic Status at Public Schools across the United States
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A Review of Quantum Machine Learning Techniques
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Pathobiology
Genetic Characterization of West Nile Virus using Next-generation Sequencing
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Diagnostic Genetic Sciences
Evaluation of Methylation Specific Multiplex Ligation-Dependent Probe Amplification (MS-MLPA) Testing for MGMT Promoter Methylation in Glioblastoma as a Predictive Biomarker
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The Effect of Range of Motion on Patterns of Hypertrophy in the Vastus Lateralis using Near-infrared Spectroscopy
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Physiology & Neurobiology
Treating the Liver with a Potential siRNA Drug, Cemdisiran, for Immunoglobulin A Nephropathy (IgAN)
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Political Science

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Doctor of Pharmacy
Reducing the Cognitive Burden of the Medication List
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Physiology & Neurobiology
The Role of Olfactory Receptors in Behavioral Response to Ammonia in Drosophila melanogaster
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Animal Science
The Effect of Parasitic Load on the Skin and Hair Condition of Horses in a University Program
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Allied Health Sciences
What People with Type 1 Diabetes and their Caregivers Share on TikTok: Types of Posts and Consistency with Clinical Recommendations
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Analyzing the Correlation Between Twitter Sentiment and Stock Market Trends of Fossil Fuel Corporations
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Mathematics/Statistics
Students for Workers Movement: Free Risk Management Services for Small Businesses Owned by Marginalized Groups
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Biomedical Engineering
Nanomaterials in the Central Nervous System: In Vitro Modeling, Drug Delivery, and Material-Brain Interactions
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Mechanical Engineering
Scalability and Performance Profiling of a Compressible Reacting Flow Solver with Automated Mesh Refinement
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Comparing the UConn Cogeneration Plant to a Geothermal Power Plant
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Assessing Leadership in Business: A Critical Investigation of Sheryl Sandberg
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Effects of Tempering Temperature on Gas Turbine Engine Fan Cases
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Allied Health Sciences
Designing a mHealth Intervention to Serve the Underrepresented Needs of Malaysian MSM who partake in Chemsex: Data from Focus Group Discussions
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Human Development & Family Sciences
Experiences of Distress among Children with Autism Spectrum Disorders: A Parental Daily Diary Study
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Nursing
Understanding the Effect of Prenatal Care and Education on the Postpartum Health of Mothers and Newborns in Tanzania: An Interpretive-Humanistic Ethnography
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Allied Health Sciences
Barriers to Dental Care for Young Children from Low-Income Families
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Responsible Investment: An Analysis of ESG in Private Equity
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Next Generation of Vaccines: Investigating the Adjuvancy of Different Nucleic Acid Nanoparticle Surface Modifications to allow for Successful Delivery of Encapsulated mRNA
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Assessing Leadership in Business: A Critical Investigation of Reed Hastings
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Engineering Durable Polymer-Matrix Moisture Barrier Structures
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Assessing Leadership in Business: A Critical Investigation of Mark Cuban
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Allied Health Sciences
Exploring Racial Disparities on Activity-based and Location-based Food Environments and their Associations with Cardiometabolic Health
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Economics
Martingale Optimal Transport and Asset Pricing: A Study of the Application of Multi-Marginal Martingale Optimal Transport
Advised by: Chih-hwa Kao

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Hedging RILA Products with Inverse Exchange-traded Funds
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To Be Real or not to Be Real?: Authenticity in Social Media, Advertising, and Journalism
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Biological Sciences
Exploratory Research Identifying Culturable Gut Microbes from Peruvian Bird Species
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Environmental Sciences
Integrative Network Physiology and Translational-omics Considerations in Research Design Investigating Biological Sex Differences in Stress Response and Adaptation
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The Effect of the COVID-19 Pandemic on Mergers and Acquisitions in the Technology Industry
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An Analysis of the Effectiveness of Virtual Reality in Distance Learning
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Animal Science
The Effects of Poor Maternal Nutrition in Ewes on the Growth and Development of Offspring
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Assessing Anti-Inflammatory Properties of Cannabinoids
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Critical Analyses of Success in Counter-insurgency and Human Security
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Assessing Leadership in Business: A Critical Investigation of Steve Ballmer
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Analysis of How Contract Extensions Affect the Performance of Professional Athletes
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Cognitive Science
Learning Words in a Malevolent World: Partial Word Learning from Low Informative Input
Advised by: Sumarga Suanda

CATHERINE GRACE WINDOVER SPL
Political Science
Woman vs Woman: Examining the Impact of Gender in Media Coverage of the 2022 Gubernatorial Races
Advised by: Virginia Hettinger

SHOSHANA HAIWAN WU
Finance
Assessing Leadership in Business: A Critical Investigation of Whitney Wolfe Herd
Advised by: Nell D'Auria

KATARINA GRACE YACUK NE
Physiology & Neurobiology
Establishing the Role of Dilp8 in Drosophila Female Reproduction
Advised by: Jianjun Sun

HELEN YANG B
Communication
Exploring Weight Loss Intentions during COVID-19
Advised by: Elizabeth Hintz

MENGTONG YAO NE
Finance
The Theory and Method of Quantitative Investment Analysis
Advised by: Liping Qiu

ANDREA FAITH YBANEZ
Psychological Sciences
Implications of COVID-19 on Students attending Higher Education Institutions
Advised by: Matthew Heinly

KAITLYN YEARWOOD
Allied Health Sciences
Dehydration's Effect on Cognition using an ANAM Battery
Advised by: Robert Huggins

JOSHUA H YU H/NE/SPMD
Molecular & Cell Biology
Nanoparticle-mediated Inhibition of Acute Myeloid Leukemia
Advised by: Xiuling Lu

CHARLI MARIE ZARETSKY NE
Mechanical Engineering
Probabilistic Machine Learning for Battery State of Health Prognostics
Advised by: Chao Hu

SAM JULIAN ZELIN
History
Comparing the Daily Campus Student Newspaper to Regional Publication The Hartford Courant: A Look into the Value of College Journalism and its Place in the Historical Newspaper Record
Advised by: Melanie Newport

FANXIN ZENG
Finance
The Impact of State-owned and Private Ownership of Land on Real Estate
Advised by: Jeffrey Cohen

SHIHAO ZHAI NE
Chemical Engineering
Designing a Portable Particulate Matter Monitor
Advised by: Kristina Wagstrom

TINNA ZHENG
Allied Health Sciences
Qualitative Analysis of Barriers and Facilitators to Healthy Dental Behaviors in Young Children
Advised by: Valerie Duffy

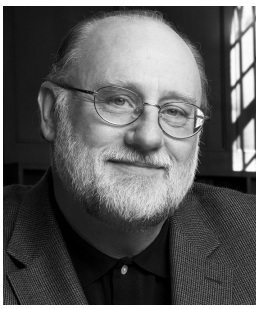
NICOLAS ZIMMERMAN
Mathematics/Physics
Deuterium Fusion in Big Bang Nucleosynthesis
Advised by: Moshe Gai

VICTORIA ANDREA ZUCCO B
English
Agrarian Individualism and Food justice Perspectives in Contemporary Multi-ethnic Literature of the United States
Advised by: Alexander Menrisky

Jane Pryma

Honors Faculty Member of the Year Award Recipient

Jane Pryma is Assistant Professor of Sociology at the University of Connecticut. Professor Pryma enjoys teaching social theory and topical courses on the sociology of gender and health, mental illness, andscience, knowledge and technology. She especially appreciates the opportunity to work with Honors students as they pursue their own sociological research interests. Professor Pryma's own research examines how national politics, medical technologies, and legal regulation affect the ways that individuals and institutions make sense of pain, illness, and disability. Her work has appeared in the *American Sociological Review, Social Science; Medicine and the Journal of International and Comparative Social Policy.* Professor Pryma received her PhD and MA in Sociology from Northwestern University, and her BA from Kenyon College.



Richard N. Langlois

Dr. Lynne Goodstein and Peter Langer Award Recipient

Richard N. Langlois, Professor of Economics, has been a member of the UConn faculty since 1983. A native of northeastern Connecticut, he was educated at Williams, Yale, and Stanford. He has been a visiting Senior Fellow at the Wharton School, University of Pennsylvania; an Adjunct (Honorary) Professor at the Copenhagen Business School; and a Distinguished Professor in the School of Economics and Business Sciences, University of the Witwatersrand, Johannesburg, South Africa.

Professor Langlois's research has garnered the Newcomen Prize in Business History and the Schumpeter Prize of the International Joseph A. Schumpeter Society. He has received the Provost's Research Excellence Award from the University of Connecticut (2006); the Faculty Excellence Award in Research (Humanities/Social Sciences) from the University of Connecticut Alumni Association (2007); and the Research Excellence Award (Social Sciences) from the UConn College of Liberal Arts and Sciences (2015). His most recent book, *The Corporation and the Twentieth Century: the History of American Business Enterprise,* will appear form Princeton University Press in June.

Nour Al Zouabi

Honors Student Keynote Speaker

Nour Al Zouabi is a double major graduate with a Bachelor of Arts as an Individualized Major in Rights, Health and BS in Molecular and Cell Biology, and Refugees and minoring in Chemistry and Human Rights. Her thesis, funded by the IDEA Grant, addresses refugees' post-resettlement barriers to accessing healthcare services in the U.S. during COVID-19. She aspires on pursuing a career in the medical field and is passionate about incorporating public health education into practice. On campus, Nour serves as the vice president of team development of CLAS SLB, Pack Leader, president of Tri-Alpha, Multicultural and Diversity Senator in USG, president of Minds Beyond Borders Initiative and vice president of Net Impact Undergrad. She is also a Health Professions Peer Ambassador and FIRST mentor and member of Dr. Lu research lab. At the Stamford campus, she was the president of the Biology Club, treasurer of the Muslim Student Association, treasurer of the Anthropology Society, and worked as a STEM tutor at the Student Support Services office. Outside of school, Nour is a member of the Center for Research Engagement (CRE) Cancer Subcommittee at Yale Cancer Center and an active member of the American Red Cross Disaster Action Team. She enjoys spending time with family and friends, reading books in Arabic, and meeting new people. She also has a passion for photographing flowers on the side of the street, sunset and sunrise, and mushrooms.

Special Performance by Rubyfruit

Songs performed today:

Evergreen by Yebba
Soloists: Catherine Windover and Zoe Raposo
Vocal Percussion: Audrey Rivetta

Helplessly Hoping by Crosby Stills Nash and Young
Performed without soloists or vocal percussion

Rubyfruit is an all-female a cappella group from the University of Connecticut. This amazing collective of women, known as the "Rubies" were founded in 1999 with a clear mission to promote women's empowerment through music.

The Rubies perform a wide variety of music both on and off campus. The group has most recently performed the national anthem at a New York Rangers game in Madison Square Garden. Additional credits include, performing as an opening act for the Radio City Rockettes in Radio City Music Hall and for the Miss Connecticut Pageant. They just finished recording their ninth professionally recorded album that will be coming out on all streaming platforms this summer. Most importantly, this is a group of lifelong friends who love to sing together and encourage women's empowerment through music!

The Honors Program is grateful to all the Rubies for their performance today.

Paige Booth '25/Mezzo/Environmental Science
Hailey Calder '26/Alto/Pre-Teaching
Kelly Goodwin '26/Soprano/Biomedical Engineering
Micaela Guzman '26/Soprano/Music Education
Isabella Iglesias '24/Alto/Sports Management
Lexie LaCross '24/Mezzo/Psychology
Linda Nelson '24/Soprano/Music Education
Zoe Raposo '24/Mezzo/Psychology
Gillian Regan '24/Soprano/Speech Language and Hearing Sciences
Audrey Rivetta '23/Alto/Mechanical Engineering
Isabella Rubio '24/Alto/Biological Sciences
Sabrina Russotto '26/Soprano/Music
Stephanie Syracuse '23/Soprano/Nursing
Catherine Windover '23/Alto/Political Science & Economics

Student Speaker Finalist Speech Excerpts

The selection of the Honors Medals Ceremony student speaker is always so difficult, given the number of highly qualified applicants. The 2022 student finalists graciously have allowed for this publication to share excerpts from their prepared speeches.

Honors Student Keynote Speaker Finalists

Sarah Adlassnig	Aryanna Fontanez	Jackson Kaszas
Isabella Amata	Katie Hooker	Abigail Moran
Safa El-Mouwfi	Abigail Interrante	Dylan Shah

Although this program is largely defined by its prestigious academic and networking opportunities, it is more largely defined by its ability to connect the most empathetic, driven, and passionate people that I have come to know.

During the first few days of our college experience, we began to understand the Honors Program's vision: "Honors students will value knowledge at the broadest level while achieving distinction in their field of study. They will be prepared for leadership in their chosen professions and will serve their communities as responsible local and global citizens."

Our personal growth, achievements, and success often stem less from who we naturally are and more from who we are expected to be by our teachers, coaches, and peers. From the beginning, the Honors program expects its constituents to be exceptional, and it was these expectations that catalyzed my success as a UConn student.

Whatever our path may be, we all have one unique thing in common, which is that the Honors Program has helped develop our skills and expanded the boundaries of our academic potential. This will help us become leaders and thinkers in fields that have significant impact on society.

I have been given so many opportunities to excel and chase my ambitions on my own terms, and Honors has supported me every step of the way. It has been my honor to be part of such a community. So even now, I cannot pinpoint exactly why we call it Honors, but to me it means being a part of something greater. A community and opportunity for students not just to excel in academics, but to come together and drive the meaningful change we want to see in the world.

The Honors Board of Associate Directors

The Honors Board of Associate Directors includes faculty members, Honors Program staff, and students from the Honors Council. The Board advises and assists with the work of the Honors Program.

Johnny Banks, Academic Advisor

James Chrobak, Psychology

Laura Donorfio, Human Development & Family Studies

Travis Grosser, Management

Virginia Hettinger, Political Science

Claudia Koerting, Marine Sciences

Catherine Little, Educational Psychology

Erika Williams, English & Africana Studies

Beth Lawrence, Natural Resources & Environment

Richard Luddy, Physics

Deborah Chyun, School of Nursing

John Richardson, School of Fine Arts

Brian Aneskievich, Pharmacy

Judy Brown, Institute for Systems Genomics, School of Nursing

Patrick Kumavor, Biomedical Engineering

Jamie Caruso, BGS & Non-Degree Programs

Rachel O'Neill, Molecular & Cell Biology

Annamarie Csizmadia, Human Development & Family Science

Melissa Manning, Academic Advisor

Isaac Ortega, Natural Resources and Environment

Eric Schultz, Senate C&C

Jennifer Lease Butts, Honors & Enrichment Programs

Jaclyn Chancey, Honors & Enrichment Programs

Patricia Szarek, Honors Program

Kaitlin Heenehan, Honors & Enrichment Programs

Anne Kim, Honors Program

Fiora Lena, Class of 2025

Nidhi Jayakumar Nair, Class of 2023

Kayla Audrey Obolo Njoh Sam, Class 2026

Catherine Jhong, Class of 2024

Vidhisha Thakkar, Class of 2026

Joey Macary, Class of 2026