

HILDALE UNDERGRADUATE/FACULTY RESEARCH FELLOWSHIPS

Generous grants from the Hilldale Foundation and the Wisconsin State Legislature provide for awards of \$3,000 each to undergraduate students and \$500–\$1,000 to their faculty/staff advisors to work in collaboration on research projects. (One Hilldale Fellowship is provided by the McPherson Eye Research Institute.*) Award recipients and their faculty advisors are listed below.

Award Recipient	Major	Faculty Advisor	Project
Claudia Aldrich	Biochemistry and Chemistry	Laura Kiessling	Optimization of Triazolothiadiazine-Based Small Molecule Inhibitors of <i>Mycobacterium tuberculosis</i> UDP-Galactopyranose Mutase
Eric Anderson	Anthropology and Entomology	Walter Goodman	Why Are Moths Attracted to Light? Mach Lines, Moths and Man-Made Light
Adam Awe	Biochemistry	Erik W. Dent	Glutamate Receptor Trafficking into Dendritic Spines: Implications for Learning and Memory
Aisha Ba	Pharmacology & Toxicology	Monica Turner	Climate and Tree-Productivity Effects on Soil Microbial Communities in Early Successional Postfire Lodgepole Pine Forests of Yellowstone National Park
Patrick Barney	Microbiology	David Gamm	Generation of Human Induced Pluripotent Stem Cell Photoreceptors and Application in Transplantation Therapy
Amanda Beltrame	Biochemistry	Ronald Raines	Activation of the tRNA Ligase RtcB by Archaese
Elizabeth Bigelow	Art History and French	Barbara Buenger	Hidden in Plain Sight: The Messages of Édouard Vuillard's Mirrors
Alexander Brauer	Biology and History of Science, Medicine & Technology	Michelle Ciucci	Toward a Gene Therapy for Parkinson Disease: A Characterization of the PINK1 ^{-/-} Mouse Model
Mikaela Breunig	Plant Pathology	Mehdi Kabbage	Characterization of Apoptotic-Like Cell Death Regulators in <i>Aspergillus nidulans</i>
Calla Buttke	Asian Studies, Chinese and German	Cora Lee Kluge	Taking Center Stage: Spotlighting the Golden Era of the Milwaukee German Theater
Patrick Carney	Genetics	Gregory Kennedy	Dependency of Notch Signaling on AHR Activation in Human Colon Cancer
Nithin Charly	Biology	Michael D. Sheets	Analyzing the RNA Binding Properties of Bicaudal-C: A Regulator of Embryonic Development and Organ Formation in Vertebrates
Carol Coutinho	Biochemistry	Andrew Watson	Understanding Maturational Differences in Cardiorespiratory Fitness Development in Children
Marc D'Antonio	Microbiology	John-Demian Sauer	Detection and Characterization of <i>Listeria Monocytogenes</i> Mutants with Cytosolic Growth Defects
Joseph Deguire	Economics and Mathematics	Steven Durlauf	Estimating the Role of Early Life Circumstances in Determining Late Life Outcomes
Nathan Delvaux	Biochemistry	Hazel Holden	Biochemical and Structural Characterization of the Putative O-Antigen Amidotransferase WbpG from <i>Pseudomonas Aeruginosa</i> O5
Daniel Desautels	Life Sciences Communication and Microbiology	Cameron Currie	Characterization of Symbiotic Microbes Associated with the Monarch Butterfly (<i>Danaus Plexippus</i>)
Michael Diny	Biology	Rupa Sridharan	Investigating the Role of Kdm3b, a Histone Demethylase, in the Acquisition of Pluripotency
Emma Doenier	Biology and Psychology	Judith Kimble	Investigating the Link between MicroRNAs and Stem Cell Maintenance
Christina Dudley	Undeclared	Tomislav Z. Longinovic	Vampire Plagues: Medical Misconceptions and Popular Folk Beliefs
Zach Dumar	Biology and Genetics	Cameron Currie	Bacterial Community Associated with Leaf-Cutter Ant Fungus Gardens Proposed to Facilitate Fungal Growth
Alexander Dwyer	Biology	Douglas G. McNeel	T-Cell Antigen Spread: Detection of CD8 ⁺ T-Cells to Off-Target Antigens in Individuals with Recurrent Prostate Cancer Following Antigen-Specific DNA Vaccination
Rebecca Eastham	Mathematics	Uri Andrews	Determining the Strength of Various Generalizations of Van Der Waerden's Theorem
Alex Ehlers	Biomedical Engineering	Darryl Thelen	The Use of Quantitative Ultrasound Elastography to Noninvasively Assess Tendon Mechanics
Zeng Fan	Electrical Engineering	Giri Venkataramanan	Wireless Network Test Set-Up for an Integrated Home Energy System Platform
Thomas Feigenson	Astronomy - Physics, Mathematics and Physics	Jim Lawler	Improved Experimental Co I-II Values and Abundance Determinations From Spectroscopic Data
Jacob Fleming	Communication Sciences & Disorders and Spanish	Marios Fourakis	Automatic Voice Onset Time Measurement: A Comparison of Speech for Children with Typical Development and Children with Speech Sound Disorders
Samantha Floody	Art History	Barbara Buenger	The Third Rome and The Third Reich: How Fascist Architecture Constructed Ideologies in Fascist Italian and Hitler Youth

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Tyler Foley	Biology	Dustin Deming	eEF2 as a New Target for the Treatment of Colorectal Cancer
Connor Ford	Biomedical Engineering	Robert Pearce	Combined Actions of Etomidate and Midazolam on GABA _A Receptor Kinetics
Annie Gallagher	Kinesiology	Kristen Pickett	Gender Specific Attributes of Ground Reaction Forces during the Snatch
Grace George	Biology	Edward Hubbard	Investigations into the Neural Basis of Effective Math Teaching
Christian Gerhart	Biology and Spanish	Zsuzsanna Fabry	Central Nervous System Tuberculosis
Richard Giza	Biochemistry	William Murphy	Engineering Juxtacrine Signaling through Tethered N-Cadherin Mimic Peptides on Synthetic Surfaces
Monica Gressett	Biology	Paul Sondel	The Effect of Radiation on Tumor Cell Susceptibility to Immune Response
Matthew Grieshop	Biochemistry	Aseem Ansari	Small Molecule DNA Binding Polyamide Conjugates Imitate Natural Transcription Factors to Artificially Perturb Gene Expression
Kiersten Haffey *	Biomedical Engineering	Kristyn Masters	Design of a Tissue-Engineered Retinal Model for Age Related Macular Degeneration
Daniel Hanna	Biology	Peter Lewis	Investigating the Role of Histone Variant Specific Modifications during Cellular Differentiation
Jennifer Hathaway	Biology	Edward Hubbard	Congruent and Incongruent Multisensory Integration of Number
Emily Hosokawa	Communication Sciences & Disorders and Psychology	Lyn Turkstra	Communication and Caregiver Burden in Alzheimer's Disease
Holly Howe	Spanish and Zoology	Marc A. Wolman	Investigating the Role of PAPP-AA in Habituation Learning
Matthew Hoyer	Biology and Spanish	Jeniell Nett	Examining the Extent of Neutrophil Response to Antifungal-Treated Biofilms of <i>Candida Albicans</i>
Diane Hsieh	Human Development & Family Studies and Psychology	Janet S. Hyde	Effect of Peer Sexual Harassment Victimization on Adolescents' Math Self-Concept, Course Taking, and Career Aspirations
Matthew Hupy	Nutritional Sciences	Eric Yen	Triacylglycerol Synthesis and the Regulation of Systemic Energy Balance: Is Acyl-CoA:Monoacylglycerol Acyltransferase (MGAT2) Required in the Fat Cells?
Benjamin Hushek	Biology and Psychology	Stacey M. Schaefer	Interrelations between Empathy, the Anterior Insula, and the Temporal Dynamics of Emotional Responses
Amal Javaid	Biochemistry	Jacquelyn A. Hank and Paul Sondel	Analysis of Anti-GD2 Monoclonal Antibody hu.14.18K322A Administered in Conjunction with NK Cells in the GD2NK Pediatric Neuroblastoma Trial
Sara Bevin Jennings	Psychology	Diane Gooding	Age at Pubertal Onset and Psychometric Risk for Schizophrenia: What is the Connection?
Katherine Jiang	Biochemistry	Catherine Fox	High Resolution Analysis of DNA Replication Origin Structure and Function in the Model Eukaryote <i>Saccharomyces Cerevisiae</i>
Luke Johnson	Art	Emily Arthur	Experiments in Acrylic Resist Aquatint for Safer Use in Intaglio Printmaking
Noah Johnson	Physics	Mark Ediger	Molecular Orientation in the Vapor-Deposited Glass of p-TTP
Erik Jorgensen	Electrical Engineering	Mikko Lipasti	Implementing a Self-Organizing Map-Seeking Circuit on Hardware
Malcolm Kang	Economics and Mathematics	Steven Durlauf	Implications of Social Security Income on Intergenerational Transmission of Wealth: Evidence from the Social Security Notch
Emily Katz	Rehabilitation Psychology	Haley Vlach	Are They Paying Attention? Relations between the Spacing Effect and Children's Attention Abilities
Anna Kellner	Pharmacology & Toxicology	William Murphy	Designing and Testing Biomaterials that Regulate Transforming Growth Factor-Beta 1
Colin Korlesky	Biomedical Engineering	Pamela J. Kling	Heart Rate Variability (HRV) As a Determinant of Male Versus Female Cardiovascular Health in Intrauterine Growth Restriction
Kaitlyn Krzyzaniak	Atmospheric & Oceanic Sciences	Larissa Back	Frequency and Duration of Precipitation with Climate Change
Matthew Lammers	Biochemistry and Molecular Biology	Douglas Weibel	Characterization of the Mechanism of Action of Divin, an Inhibitor of Bacterial Cell Division
Evan Lange	Biomedical Engineering and Molecular Biology	Alessandro Senes	Optimization of CATM, a Transmembrane Protein Structural Prediction Program
Anna Larson	Psychology and Social Welfare	Erin Costanzo	Mindfulness, Experiential Avoidance, and Quality of Life Among Stem Cell Transplant Recipients
Adam Lauko	Biochemistry	Elizabeth Craig	Analyzing the Interaction between Molecular Chaperone Sis1 and Protein Sorting Factor Cur1 and Their Joint Role in Protein Quality Control

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Qihong Lu	Computer Sciences, Mathematics and Psychology	Timothy T. Rogers	Modeling the Temporal Dynamics of Human Categorization Behavior
George Luo	Biochemistry	Aaron Hoskins	Studying the Effects of MDS Mutations in HSH155 on Splicing of Yeast Pre-mRNAs
Shaenah Maguire	Chemical Engineering	Eric Shusta	Promotion of Mesoderm Derived Differentiation of Human Pluripotent Stem Cells into Blood Brain Barrier Endothelial Cells
Samuel Marks	Materials Science & Engineering	Paul G. Evans	Characterization of High Pressure CO ₂ Adsorption Kinetics and Structural Morphology in Porous Coordination Polymers
Janine Mathee	Communication Sciences & Disorders	Jenny Saffran	Does Visual Salience Influence Infants' Lexical Processing?
Margaret McLaughlin	Art History and Classical Humanities	Nicholas Cahill	The Reception of the Near East in Macedonian Funerary Art
Emily Mech	Communication Sciences & Disorders and Psychology	Maryellen MacDonald and Rita Kaushanskaya	Cross-Language Activation of English-German Homophones in German Language Students
Tej Mehta	Biochemistry	Jamey P. Weichert	<i>In Vivo</i> Competition of Targeted Radiotherapeutics with Free Fatty Acid Competitors
Alexandra Morgan	International Studies, Latin American, Caribbean & Iberian Studies and Spanish	Bradford Barham	The End of Prohibition: The Effects of Legalization on Mexican Cartels' Production and Distribution
Yao Mu	Computer Sciences and Electrical Engineering	Yu Hen Hu	Feature Matching Algorithms Implementation in Driver Behavior Analysis
Kelsey Nemecek	Biology and Psychology	Xinyu Zhao	Examining the Role of FXR1 on Hippocampal Neurogenesis <i>In Vivo</i>
Kevin O'Connor	Biochemistry BS	M. Thomas Record	Framing the Two-Way Noncovalent Interactions of Amide Oxygen, Amide Nitrogen, and Aliphatic Carbon Surfaces
Emily Orals	Psychology	Christopher Coe	Maternal Gut Microbiome Influences on Maternal Behavior and Infant Outcomes
Hannah Pearson	Biology	Deric Wheeler	Targeting Axl in Triple Negative Breast Cancer with MAb173, an Anti-Axl Monoclonal Antibody
Alexander Peterson	Biochemistry and Chemistry	Ronald Raines	Development of a Boronic Acid Based Pro/Soft Drug
Anna Pollard	Biology	David Abbott	Viral Knockdown of Estrogen Receptor α in Ventromedial Nucleus Expected to Decrease Sexual Solicitation in Female <i>Callitrix jacchus</i> (Common Marmosets)
Yiming Qin	Biochemistry and Intended-Nutritional Sciences	Bradley W. Bolling	Challenge and Implication of Anthocyanin-Based Polymeric Colorants Use for Food Additive
Nicole Rademacher	Microbiology	John Denu	Precise Quantification of Sirtuin-3 in Metabolically Active Tissues: An Application of Isotopic Labeling and Mass Spectrometry
Kelsey Rayment	Biochemistry and Wildlife Ecology	William Karasov	Intestinal Digestive Enzyme Modulation in Northern Bobwhite Quail (<i>Colinus virginianus</i>)
Danielle Revai	Communication Sciences & Disorders	Jan Edwards	Production and Perception of Stop Consonants in Children with Cochlear Implants and Children with Normal Hearing
Rocio Riillo	Biomedical Engineering	Ronald Magness and Vladimir Vargas	Changes in Elastic Modulus in Pregnant Uterine Arteries in the Sheep: Role of Leptin.
Edel Roach	Elementary Education	Ksenija Bilbija	Lost in Translation: Cartoneras in Spain
Joel Rosenberg	Biology	Alexander Yevzlin	The Effects of Mineral Metabolism on Vascular Access Patency in Hemodialysis
Zoe Russek	Political Science and Statistics	Karl Rohe	Anti-Cluster Respondent-Driven Sampling: Combating Bottlenecks in Community Structures
Jane Ryu	Biochemistry and Biology	Michael G. Thomas	Investigation of the Specificity Residues of MbtH-Like Proteins in Nonribosomal Peptide Synthetases Using Genetic Selection
Sai-suma Samudrala	Molecular Biology	Peter Lewis	Functionality of the Basic Residues in Daxx
Erik Sanson	Biology	Susan Paskewitz	How Do Genotypes of <i>Borrelia burgdorferi</i> Vary in Time and Space in Wisconsin Ticks?
Stephanie Seymour	Molecular Biology	Kris Saha	Effects of TGF- β -Induced Early EMT in the Reprogramming of Human Somatic Cells
Shakher Sijapati	Biomedical Engineering	James Gern	Construction and Analysis of Infectious cDNA Copy of HeLa Cell Line Adapted Rhinovirus (RV-C15)
Samantha Sison	Biology	Kate O'Connor-Giles	CRISPR-Cas9 Mediated Split GFP as Screening Tool and Potential Way of Live Imaging Proteins
Sarah Smiley	Comparative Literature and Gender & Women's Studies	Christine Garlough	Marvelous Feminism: The Role of Narrative in Women's Lives

Award Recipient	Major	Faculty Advisor	Project
Matthew Stefely	Biochemistry	David J. Pagliarini	Establishing the Function of COQ9: A Putative Lipid Chaperone Essential for Coenzyme Q Biosynthesis
Andrew Steinberger	Microbiology	Garret Suen	The Characterization of a Newly Isolated Cellulolytic Bacterium
Alexander Strange	Engineering Mechanics	Gerald Kulcinski	Device for the Implantation of Helium into Regolith Simulant
Brexton Turner	Biochemistry	Aaron Hoskins	Investigating the Role of Slt11 in U2/U6 Formation
Joseph Vecchi	Biomedical Engineering	John Kao	Optimizing the 3D Culture of HepaRG Cells in Gel-PEG Hydrogel
Colin Wahl	Mathematics and Physics	Saverio Spagnolie	Microorganism Billiards
Alex Waldman	Biology and Spanish	Peter Ferrazzano	Age-Dependent Microglial Gene Expression Profiles in Hypoxic-Ischemic Brain Injury
Bai Yang Wang	Applied Math, Engineering & Physics	Mark Eriksson	An Exploratory Study of Charge Noise and Mobility for Improved Performance in Semiconductor Quantum Devices
Yunmiao Wang	Biology	Robin Goldman and David Perlman	Rubber Hand Illusion: Robotic Stroke vs. Manual Stroke
Benjamin Weber	Biochemistry and Classics	Laura Kiessling	Exploring the Role of CD44 as a Conduit of Mechanical Signals in Human Pluripotent Stem Cells
Allison Weisnicht	Microbiology	Patricia Kiley	Investigation of the Effects of Chromosomal Position on the Extent of IscR Regulation within the <i>Escherichia Coli</i> Genome
Thejas Wesley	Chemical Engineering	James A. Dumesic	Geometric and Electronic Effects in Promoting Platinum-Catalyzed Water-Gas Shift
Catherine Wintheiser	Undeclared	Christine M. Sorenson	Expression of Bcl-2 in Pericytes is Essential for Retinal Neovascularization
Max Wrobbel	Pharmacology & Toxicology	Richard Lindroth	Effects of Triploidy and Drought on Physiology and Growth of <i>Populus Tremuloides</i>
ChiChi Xie	Genetics	Randal Tibbetts	Use Transgenic <i>Drosophila</i> to Understand UBQLN2 Dysfunction in Amyotrophic Lateral Sclerosis (ALS)
James Xu	Genetics and Psychology	Mitchell Nathan	STEMBuds: An In-Group Mentoring Program For Promoting Broader Participation in STEM
Yufan Xu	Applied Math, Engineering & Physics	Cary Forest	Hardening of Materials Using Plasma Immersion Ion Implantation (PIII)
Caroline Zellmer	History of Science, Medicine & Technology and Microbiology	Nasia Safdar	Assessment of the Long Term Outcomes of Fecal Bacteriotherapy for <i>Clostridium Difficile</i> Infection
Keren Zhu	Electrical Engineering	Xinyu Zhang	Energy Efficient WiFi Display
Luli Zou	Genetics and Statistics	Richard Halberg and Michael Newton	Modeling Intratumoral Heterogeneity and Tumor Origin in Human Colorectal Polyps
Micaela Zywicki	Genetics	Ronald R. Magness	Fetal Iron Regulation in Ovine Uterine Space Restriction

HOLSTROM ENVIRONMENTAL SCHOLARSHIPS

A generous grant from Carleton and Mary Beth Holstrom of Pipersville, Pennsylvania, provides for awards of \$3,000 each to undergraduate students and \$500–\$1,000 to their faculty/staff advisors to work in collaboration on research projects relating to environmental issues.

Award recipients and their faculty advisors are listed below.

Award Recipient	Major	Faculty Advisor	Project
Patrick Dowd	Civil Engineering and Environmental Studies	Katherine McMahon	Understanding the Ecological Drivers of Toxic Cyanobacterial Blooms in Lake Mendota
Vera Swanson	Biology and Environmental Studies	Peter McIntyre and Aaron Koning	Assessing Trophic Positions of a Southeast Asian Fish Community Using Both Stable Isotopes and Gut Content Analysis
Morgan Walcheck	Pharmacology & Toxicology	William Karasov	Effects of 2,4-Dichlorophenoxyacetic Acid (2,4-D) Exposure on Hormone Concentrations of Larvae Fathead Minnows (<i>Pimephales Promelas</i>)

SOPHOMORE RESEARCH FELLOWSHIPS

Funded by a one-year University of Wisconsin System Undergraduate Research & Discovery Grant, the Sophomore Research Fellowships provide \$2,500 each to undergraduate students and \$500 to their faculty/staff advisors to work in collaboration on research projects.

Award recipients and their faculty advisors are listed below.

Award Recipient	Major	Faculty Advisor	Project
Jaime Brown	Biochemistry	Paul Friesen	Baculovirus LEF-7 Expected to Manipulate the DNA Damage Response to Increase Virus Replication by Ubiquitinating MDC-1

Award Recipient	Major	Faculty Advisor	Project
Wilder Deitz	Social Welfare	Eric Lock	The Path to Professionalization in the Context of Crisis: An Examination of Social Work in Jordan
Tyler Engel	Plant Pathology and Psychology	Jeri Barak-Cunningham	Influence of GGDEF and EAL Domain Interactions on <i>Salmonella Enterica</i> Colonization of Plants
Julie Fischer	Undeclared	David Wassarman	Quantifying Intestinal Leakage in <i>Drosophila Melanogaster</i> Following Traumatic Brain Injury
Caroline McCormick	Microbiology	Garret Suen	Investigating the Abundance and Function of <i>Fibrobacter</i> in Non-Human Primates
Sanober Mirza	Undeclared	Erika Marin-Spiotta	Soil Carbon and Microbial Decomposition in Puerto Rican Soils of Different Land Uses
Maria Olaru	Biology and Psychology	Robin Goldman	Exploring Internal Versus External Motivators for Altruistic Behavior through Comparison of Behavioral-Based Tasks
Ryan Rebernick	Biochemistry	Miriam Shelef	Examining the Role of PAD4 as a Transcriptional Regulator in LPS-Stimulated B Cell Populations <i>in Vitro</i>
Thomas Richards	Biology	Susan Paskewitz	Prevalence of Virulent Genotypes of <i>Borrelia Burgdorferi</i> in Ticks and Small Mammals in Wisconsin
Swetha Saseedhar	Biology	Paul Sondel and Zulmarie Perez	A New Immunocytokine to Selectively Activate Immune Cells Expressing Intermediate Affinity IL-2 Receptors within the Tumor Microenvironment
Colleen Schmit	Biological Aspects of Conservation and Spanish	Ksenija Bilbija	Feeding Minds and Bodies: Eloisa Cartonera's Urban Ecology and Sustainability in Argentina
Daniel Vigil	Chemical Engineering	Manos Mavrikakis	Structure Sensitivity of Ammonia Electro-Oxidation on Open fcc Metal Surfaces
Sarah Wang	Biochemistry	Susan Thibeault	Biomaterial Regulation of Cell Phenotype for Vocal Fold Scarring
William Xiang	Biochemistry	Wade Bushman	Investigation of Angiogenic Properties of Murine Omentum Following Transplantation
Annie Yao	Biochemistry	Lian-Wang Guo	Protective Effects of Sigma-1 Agonists on Retinal Pigment Epithelial Cell Survival

UNIVERSITY BOOK STORE AWARDS FOR ACADEMIC EXCELLENCE

A generous grant from the University Book Store allows for Academic Excellence Awards of \$1,000 each to undergraduate students who best demonstrated excellence by completing a project through independent study.

Award Recipient	Major	Faculty Advisor	Project
Haley Dresang	Communication Sciences & Disorders and Spanish	Lyn Turkstra	Implicit Causality Bias in Adults with Traumatic Brain Injury
Brandon Foley	Chemical Engineering	Manos Mavrikakis	First Principles Study of NO Reduction by H ₂ on Rh(100) and Pd(100) Surfaces
Sylvia Frazier	Biology and Gender and Women's Studies	Lee Dresang	Improving Confidence and Competence of Retained Placenta Manual Extraction
Elizabeth Gade	English	Lisa Cooper	The Chretien Companion: On Humans, Beasts, and Everything in Between
Emily Hegland	Communication Arts and English	Amaud Johnson	The Dahmer Diaries: A Collection of Poetry
Victoria Heinrich	Biochemistry	Douglas Weibel	DCAP: A Broad-Spectrum Antibiotic that Targets the Cytoplasmic Membrane of Bacteria
Kelly Kanavas	Communication Arts and English	Ronald Wallace	The Artist, The Princess, The Madman & The Cheese Delivery Boy
Edward Knudsen	Economics and History	Alfred McCoy	Seeing Like a State Builder: "High Modernist" War and American Intervention in Vietnam
Kiana Murphy	English and Sociology	Amaud Johnson	Woke Up Dead (and Other Ways to be Black)
Megan Ness	Anthropology and History	Claire Taylor	Children At Work: Childhood Labor in the Ancient Greek World
Kevin O'Connor	Biochemistry	M. Thomas Record	Framing the Two-Way Noncovalent Interactions of Amide Oxygen, Amide Nitrogen, and Aliphatic Carbon Surfaces
Vik Patel	Biology	Stanislava Chtarbanova	Analysis of Axonal Morphology in a Larval <i>Drosophila</i> Model of Machado Joseph Disease
James Runde	Communication Arts, Computer Sciences and English	Ronald Wallace	Now Here, Now Not
Danielle Schuld	Biology	Joseph Salmons	"Subliminal Accent": Reactions to the Rise of Wisconsin English
Jiaming Soh	Economics and Mathematics	Steven Durlauf	Estimating the Health Production Technology for Older Adults using Sibling Data

Award Recipient	Major	Faculty Advisor	Project
Samantha Timm	Art History and English	Nancy Rose Marshall	The Artist's Stage: Frederic Leighton's Performance of Cultural Hybridity and Orientalist Aestheticism
Jacob Turner	Communication Arts and International Studies	Lynda Barry	Flaky the Snow Cat
Ryan Valk	Biology	Ralph Grunewald	Neurolaw: For an Enlightened Approach to Crime
Alexis Wills	Spanish	Ksenija Bilbija	Complications of Collective Memory in Peru: A History of Marginalization, an Attempt at Inclusion
Ningshuang Zhao	Art	Nancy Mladenoff	A Possibility Stretch

Honorable Mention

Jacob Berchem	Art	Dennis Miller	Underwood Interactive Font Specimen
Abigail Burns	Communication Arts and English	Ronald Wallace	To Grasp at Empty Air and Other Stories
Linnea Guerin	English	Ronald Wallace	Paper Walls

THEODORE HERFURTH AND TEDDY KUBLY AWARDS FOR INITIATIVE AND EFFICIENCY

A generous grant from the Herfurth and Kubly families provides for these longstanding awards which honor senior students exemplifying a composite of superior academic achievement, community service and leadership in extra and co-curricular activities, financial self-support, and both prepared and extemporaneous oral expression.

Award Recipient	Major
Nicholas Derr	Applied Math, Engineering & Physics and Astronomy - Physics
Kiana Murphy	English and Sociology

Honorable Mention

Neil Damron	Economics and Political Science
Melissa Ertl	Psychology and Spanish
Steven Hoffman	History
Donya Khadem	Legal Studies and Political Science

NATIONAL SCHOLARSHIPS

Recipient	Major	Award
Bailey Flanigan	Biomedical Engineering and English	Goldwater Scholarship, Honorable Mention
William Mulligan	Biochemistry	Goldwater Scholarship
Sohil Shah	Chemistry, Economics and Mathematics	Goldwater Scholarship
Meghan Turner	Biochemistry and Mathematics	Goldwater Scholarship
Elizabeth Doyle	Community and Nonprofit Leadership	Truman Scholarship
Phoenix Rice-Johnson	International Studies and Political Science	Truman Scholarship
Miles Tryon-Petith	Geological Engineering and Geology & Geophysics	Udall Scholarship, Honorable Mention
Rachel Dvorak	Biochemistry	Marshall Scholarship, Finalist
Neil Damron	Economics and Political Science	Rhodes Scholarship, Finalist

About the scholarships: The Goldwater Scholarship provides \$7,500 for undergraduate study to students who demonstrate great potential for, and commitment to, a research career in the field of mathematics, the natural sciences or engineering. The Truman Scholarship provides \$30,000 for graduate study to outstanding juniors who plan a career in public service. The Udall Scholarship provides \$5,000 for undergraduate study to students with great potential for, and commitment to, a career related to the environment. The Marshall Scholarship provides tuition, room, board and stipend for completion of a graduate degree at any university in the United Kingdom. The Rhodes Scholarship provides tuition, room, board and stipend for two years of study at the University of Oxford.