The University of Wisconsin–Madison
2015–2016 Chancellor's Undergraduate Awards Ceremony

7:00 p.m.

Tuesday, May 3, 2016

Union South

Varsity Hall

Wisconsin/Hilldale Undergraduate/Faculty Research Fellowships

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The Carleton and Mary Beth Holstrom Environmental Scholarships

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Sophomore Research Fellowships

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University Book Store Academic Excellence Awards

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The Theodore Herfurth and Teddy Kubly Awards for Initiative and Efficiency

WISCONSIN
UNIVERSITY OF WISCONSIN–MADISON

Chancellor Rebecca Blank Presiding

Welcome

Rebecca Blank
Chancellor

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Introductions

Sarah Mangelsdorf
Provost and Vice Chancellor for Academic Affairs

Steven Cramer
Vice Provost for Teaching and Learning

Beth Kubly
Representative of the Herfurth and Kubly Families

Patrick McGowan
President of the University Book Store

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Presentation of Awards

Chancellor Rebecca Blank
Provost Sarah Mangelsdorf
Vice Provost Steven Cramer

Thank you for celebrating with us the
achievements of our outstanding students.
Please join us at a reception honoring the award recipients
following the presentation of awards.

Hilldale 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 $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
Srikar Adibhatla	Pharmacology & Toxicology	Timothy Bugni	Structure Elucidation and Mechanism of Action Determination of a Putative Novel Antibiotic Discovered through a Co-Culture Method
Icelle Anderson	Nursing	Craig Atwood	Construction, Testing and Validation of a Model of Closed Head Injury for the Identification of Drugs to Promote Cognitive Recovery
Destiny Baars	Genetics	Francisco Pelegri	Examining Inter-Species Nuclear-Egg Compatibility within the Danio Lineage
Zachary Beethem	Genetics and Scandinavian Studies	Sean Schoville	Phylogenomic Analyses of Transcriptomic Data: Exploring Computational Tools in the Grylloblattodea Tree of Life
Joshua Bensen	Biomedical Engineering	Laura Kiessling	Role of RhoA and mDia1 in Mechanosensing of Human Pluripotent Stem Cells
Anupama Bhattacharya	Biomedical Engineering and Computer Sciences	Anna Kaatz	Text-Mining NIH Gant Critiques
Jennifer Bird	Biochemistry	Anjon Audhya	Role of SPG3A in Neural Maintenance
Sloane Bratton	Biochemistry	Walter Goodman	Homeostatic Mechanism of Transport Protein in Tobacco Hornworms (*Manduca sexta*)
Jaime Brown	Biology	Rupa Sridharan	Investigating the Role of Dppa4 in the Establishment and Maintenance of Pluripotency
Alex Chen	Biology, Philosphy and Psychology	Thomas Sutula, Robert Kotloski	The Effects of Traumatic Brain Injury on BDNF Protein Levels and Total Gene Expression in Seizure-Susceptible and -Resistant Rats
Clare Kai Cimperman	Biochemistry and Chinese	Thomas Record	Effects of the Discriminator Region of Promoter DNA on Steps in Transcription Initiation
Arthur Clark	Biology and Computer Sciences	Aaron Hoskins	Investigating the Role of Cus2 in the Global Splicing Efficiency of *S. cerevisiae*
Cyrus Colah	Chemical Engineering	Ying Ge	Development of Nanoparticle-Based Artificial Antibodies for the Detection of Cardiac Troponin-I
Isabelle Cooperstein	Molecular Biology	Gregory Gauthier	The Role of Neutral Lipids and Lipid Droplets on Temperature Adaptation in *Blastomyces Dermatitidis*
Nathaniel Corey	Engineering Mechanics	Jacob Notbohm	A Proposal to Research Local Deflections in Collagen Matrices for Development of a Novel Constitutive Model for Fibrous Materials
Cory Cotter	Astronomy, Computer Science, Mathematics, and Physics	Ellen Zweibel	Time Evolution of Galactic Wind Models
Andrew Delaitsch	Biochemistry and Economics	Samuel Butcher	Investigating RNA End Recognition by the Exoribonuclease Usb1, a Protein Critical for Spliceosome Biogenesis
Aditya Dewanjee	Biochemistry	Hiroshi Maeda	Characterization of Arogenate Dehydrogenase for Inhibition by Tyrosine in Cactaceae
Jonathan Doenier	Biochemistry	Judith Kimble	Investigating the Molecular Mechanisms of *C. elegans* Germ Stem Cell Fate Regulators
Michael Drahnak	Biochemistry	David Pagliarini	OCT1 Processes Coenzyme-Q Biosynthesis Proteins
Kailey Durkin	Communication Sciences & Disorders	Margarita Kaushanskaya	Does the Language We Speak Cue Children's Social Categories?
Tyler Engel	Plant Pathology and Psychology	Jeri Barak-Cunningham	Discovery and Characterization of Novel *Salmonella Enterica* Plant Colonization Mechanisms
Zachary Erlichman	Biology	David Gamm	Investigating Specification of Cone Photoreceptors with Human Induced Pluripotent Stem Cells
Karyn Esbensen	Psychology	Hill Goldsmith	The Relationship Between Tactile and Auditory Sensory Over-Responsivity and Obsessive-Compulsive Symptoms Across Childhood and Early Adolescence
Rachel Fader	Biology and Spanish	Rajiv Rao	The Effects of Learning Spanish at Different Ages on Linguistic Ability
Madeline Faubion	Chemical Engineering and Spanish	Eric Shusta	Analyzing the Mechanism of Tight Junction Proteins in Human Stem Cell Blood Brain Barrier Model
Julie Fischer	Genetics and Life Sciences Communication	David Wassarman	Investigating the Effects of General Anesthetics on Outcomes of Traumatic Brain Injury in *Drosophila Melanogaster*
Michael Fisher	Molecular Biology	Randall Kimple	Precision Medicine in Head and Neck Cancer Radiotherapy

Award Recipient	Major	Faculty Advisor	Project
Emily Forster	Microbiology	John-Demian Sauer	Inhibition of the Inflammasome to Improve *Listeria Monocytogenes* as a Cancer Immunotherapeutic Platform
Sylvia Frazier	Biology and Gender and Women's Studies	David Abbott	Aromatase Gene Silencing in the Pituitary Stalk-Median Eminence of Female Rhesus Macaques to Unlock Pre-Pubertal Inhibition of Pituitary Luteinizing Hormone
Grace Frecentese	Spanish	Ksenija Bilbija	First, Do No Harm: Representations of Human Rights Violations by Medical Professionals during Pinochet's Dictatorship
Wen Fu	Biochemistry and Mathematics	Laura Kiessling	Exploring GlfT2 functions in *Mycobacterium Smegmatis* and *Corynebacterium Gutamicum*
Ryan Fuglestad	Zoology	Lauren Riters	Opioid Receptor Expression in Relation to Undirected Song in Male European Starlings
Leah Fulmer	Astronomy-Physics, Physics and Spanish	John Gallagher III	Stellar Evolution of the Star Cluster NGC 602 and Massive Star Formation in the Low-Density Magellanic Bridge
Cole Gilsdorf	Biology	Marc Wolman	Mecp2 Deficiency Causes Sensorimotor Gating Defects in Zebrafish
Austin Gluth	Biochemistry and French	Catherine Fox	Characterization of Budding Yeast DNA Replication Origins That Are Dependent on a Conserved Nucleosome-Binding Domain of the Eukaryotic Initiator Complex
Sara Grange	Genetics	Corinna Burger	Downregulation of Nurr1 in Substantia Nnigra Proposed to Result in Cognitive Deficits in Rattus Norvegicus
Cayla Guerra	Genetics	Grace Boekhoff-Falk	Mechanism of Neural Trachea Regeneration Following Penetrating Brain Injury in Adult *Drosophila Melanogaster*
Max Haase	Biology	Christopher Hittinger	Genomic Analysis of the Xylose Metabolism Genes of Two Candidate Novel Yeast Species
Allison Hare	Psychology	Jenny Saffran	From Notes to Words: Information Transfer between Music and Speech in Infant Learning
Evan Heiderscheit	Biochemistry	Aseem Ansari	The Role of C-Terminal Domain Methylation of RNA Polymerase II in Stem Cell Maintenance and Differentiation
Lizzie Hoff	Psychology and Sociology	Jenny Saffran	Assessing the Consequences of Exposure to Touch-Screen Devices
Runyu Hong	Biochemistry	Irina Shkel	Predicting and Interpreting the Hofmeister Effects of Different Salts with Nucleic Bases and Aromatic Compounds Using Solubility Assay
Alexander Horvath	Materials Science and Engineering	Lucas Zoet	Material Properties of Debris-Laden Ice
Jason Hsu	Electrical Engineering	Irena Knezevic	Theory of Electronic and Optical Properties of Two-Dimensional MoS2 and its Nanostructures
Brandon Huynh	Biology	Erik Dent	Determining the Role of the F-BAR Protein CIP4 in Cortical Neuronal Migration
Nathan Jay	Computer Engineering and Computer Sciences	Barton Miller	Differential Decoder Evaluation using Pseudo-Random Testing
Victoria Jay	Biology and Psychology	Martha Alibali	Children's Reasoning About Covariation
Emily Jewell	Engineering Mechanics	Matthew Allen	A New Approach for Modeling Bolted Joints in Structures
Steven Kaplan-Pistiner	Art	Lisa Gralnick	Development of Lithographic Decals for Use in Enamel Metalwork
Laurel Kelnhofer	Biochemistry	Xinyu Zhao	MBD1 regulation of neuronal maturation through γ-PCDHs
Michael Khor	Chemical Engineering	Katherine McMahon	Dissecting the Physiological Response of Microbial Assemblages Performing Phosphorus Removal
Victoria Klaas	English and Psychology	Christopher Green	False Feedback as a Potential Motivator for Task Persistence
McKenzie Klein	Communication Sciences & Disorders and Spanish	Margarita Kaushanskaya	Can Cognates Trigger Code-Switching?
Zachary Konz	Chemical Engineering and Chemistry	Shannon Stahl	Building a Novel Electrochemical Reactor for Green Industrial Alcohol Oxidation: Pharmaceuticals and Fine Chemicals
Lena Law	Psychology and Spanish	Ozioma Okonkwo	Heart Rate Profile and Cognitive Function in a Cohort At-Risk for Alzheimer's Disease
Jorgo Lika	Biochemistry	David Wassarman	A Drosophila Model to Investigate the Long-Term Effects of Blunt Trauma Early in Development
Anders Lindstedt	Biology and Pharmacology & Toxicology	Matyas Sandor	Myeloid Cell Recruitment to the Brain Following Stroke is Due to VEGF-A Signaling
Rebecca Liu	Psychology	Edward Hubbard	Cross-Cultural Research on Foundational Fractions Concepts
Brady Lundin	Biochemistry and Biomedical Engineering	Randolph Ashton	Engineering Heparin-Binding Culture Substrates for Spatiotemporal Control of Human Embryonic Stem Cell-Derived Neural Tissue Morphology

Award Recipient	Major	Faculty Advisor	Project
Susan Luo	Biology	Bermans Iskandar	Effect of Methylation Cycle Agonists on the Regeneration of Injured Spinal Axons In Vitro
Carson Mahant	Nutritional Sciences	Mathew Jones	Parameters Underlying Excitability of Pyramidal Neurons in γ2R43Q Mice displaying Absence Epilepsy
Cesar Martinez	Biology	Rupa Sridharan	Role of AF9 in the Reprogramming of Mouse Embryonic Fibroblasts
Hannah Mast	Biochemistry	Aaron Hoskins	Biochemical Investigation of SPOUT Methyl Transferases and Splicing
Zachary Matusinec	Chemical Engineering and Chemistry	Song Jin	Synthesis of Atomically Thin Transition Metal Dichalcogenides Hetero-structures: Exploring the Fundamentals of Next Generation Solar Devices
Gillian McBride	Environmental Studies and Political Science	Erica Simmons	A Microcosm of Global Insecurities: Community and Landscape Changes in El Salvador Following the 1973 Oil Crisis
Alec McCann	Biology	Timothy Gomez	Investigating the Effects of BDNF in Developing Human Forebrain Neurons
Caroline McCormick	Microbiology	Garret Suen	Investigating Phenotypic Differences among Fibrobacter Isolates from Various Herbivores
Michelle McGuire	Communication Sciences & Disorders	Cynthia Fowler	Evaluation of the Vestibular and Visual Contributions to Motion Sickness
Jared Muench	Biomedical Engineering	Darryl Thelen	Strain Distribution Patterns Leading to Tear Propagation in Damaged Fascicles
Jessica Muesbeck	Rehabilitation Psychology	Karla Ausderau	Physiological Stress in Mother-Child Dyads with Autism Spectrum Disorder During Mealtime
Jake Nelson	Genetics	Bret Payseur	The functional Consequences of Mandible Shape Evolution in Giant House Mice from Gough Island
Rachel Orbuch	Biology and Political Science	Deric Wheeler	Overcoming Acquired Resistance to Cetuximab with Honokiol in Non-Small Cell Lung Cancer
Lauren Peretz	Biology and Sociology	Peter Lipton	Neuronal Ensemble Reactivation in the CA3 Hippocampal Region Associated with Learning and Recall in Memory Formation due to Pattern Completion
Chloe Peyton	Microbiology	Miriam Shelef	Antibody Response in Humans with Rheumatoid Arthritis Associated Susceptible versus Non-Susceptible Genotypes of PADI4
Veronica Porubsky	Biomedical Engineering	Pamela Kreeger	Effect of Fallopian Tube Epithelial (FTE) Cell/Stromal Cell Co-Culture on FTE Cell Invasion in an Ovarian Inclusion Cyst Biomimetic Micro-Model
Helena Record	Biology and Molecular Biology	Jill Wildonger	Role of microtubule Acetylation in Neuronal Transport
Timothy Routes	Biology	Timothy Kamp	Comprehensive Protein Misfolding and Aggregation Analysis of Disease-Linked Mutations in the LMNA Ig-Like Domain.
Katherine Schleck*	Biology	Christine Sorenson	Bim Expression Affects Retinal Astrocytes Adhesion and Migration through Altered Production of ECM Proteins
Matthew Schneider	Biochemistry	Hiroshi Maeda	Tyrosine Biosynthesis in *Medicago Truncatula*: Functional Characterization of a Non-Canonical Arogenate Dehydrogenase
Luke Schranz	Geological Engineering and Geology & Geophysics	John Valley	The Baraboo Breccia Zone: A New Approach to an Old Question
Peter Schuetz	Legal Studies and Psychology	William Cox	Black Male Defendants and the Black-Criminal Stereotype: The Effects of Stereotype Accuracy Discourse on Jury Perceptions and Verdicts
Ryan Serbin	Biomedical Engineering	Manish Patankar	Mapping MUC16 mRNA Transcripts to Identify Tumor-Specific Isoforms
Rutvi Shah	Biology	Jonathan Makielski	Role of Mitochondrial ROMK2 in Ischemic Conditioning of Cardiomyocytes
Jack Shireman	Biology	John Curtin	Alcohol's Effect on Startle Potentiation, Self Reported Anxiety, and Probe P3 Event Response Potential, During Uncontrollable Stressors
Alma Sida Ontiveros	Spanish	Ksenija Bilbija	The Commemoration of Authoritarian Argentina: Fortieth Anniversary of the Military Coup
Jessica Smoko	Pharmacology & Toxicology	Arash Bashirullah	Characterization of a Novel Pathway that Regulates Insulin Secretion
Nicholas Sorensen	Plant Pathology	Mehdi Kabbage	Characterization of SlySBP12a and its Role in programmed Cell Death Caused by Biotic and Abiotic Stress in Tomato
Akshitha Sreeram	Biology	Randolph Ashton	Investigating Engraftment of Regionally Patterned Motor Neuron Progenitors
Aniruddha Srivastava	Biochemistry	Silvia Cavagnero	Probing the Thermodynamic Stability of the Ribosome via Fluorescence Spectroscopy
Elliot Stalter	Music Performance	Charles Dill	Ysaye the Composer: An Investigation of His Unpublished Manuscripts
Dana Van De Hey	Biology	Dustin Deming	The Cooperation of the Microbiota and Oncogenic Mutations Leading to the Development of Colon Cancer
Kelly Verhaalen	Microbiology	Jean-Michel Ané	Host-specific mediation of aquaporins in arbuscular mycorrhizal fungi (AMF)

Award Recipient	Major	Faculty Advisor	Project
Daniel Vigil	Chemical Engineering	Manos Mavrikakis	Connecting Thermodynamics to Kinetics: A DFT Study of Brønsted-Evans-Polanyi Correlations at High Coverage on Transition Metal Catalysts
Sarah Wang	Biochemistry	Susan Thibeault	Multi-Cytokine Biomaterial Modulation of Vocal Fold Cell Phenotype
Payden White	Human Development & Family Studies	Christopher Green	Conditioning of Sustained Attentional States through Associative Learning
William Xiang	Biochemistry	Wade Bushman	Investigation of Angiogenic Mechanisms Involved in Omentum Transplantation
Nicholas Yan	Biochemistry and Pharmacology & Toxicology	Elizabeth Craig	Characterizing the Interaction between the Essential Subunits, Pam16 and Tim44, of the Mitochondrial Protein Import Motor
Trevor Zarecki	Biomedical Engineering	Krishanu Saha	Cellular Reprogramming via Programmable Histone Acetylation
Bo Zhang	Chemical Engineering and Chemistry	Nicholas Abbott	Influence of Defect Cores on the Process of Defect Annihilation
Jingyi Zhao	Chemical Engineering and Chemistry	Shannon Stahl	User-Friendly Synthesis of Amides Under Ambient Air Using Copper/Nitroxyl-Catalyst
Sarah Zwicker	Classical Humanities, History and Latin	Marc Kleijwegt	For the Love of Man: A Tale of Incest and the Representation of Sexual Amorality in Augustan Rome

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 $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
Brady Hirshfeld	Environmental Studies and Zoology	Terence Barry	Effects of Cosajaba Oil on the Growth and Survival of Tilapia
Elly King	Environmental Sciences	Doug Soldat	Identifying Rapid and Inexpensive Soil Testing Measures to Evaluate Lead Bioaccessibility
Kirsten Mayer	Atmospheric & Oceanic Sciences	Jonathan Martin	Analysis of the Contraction of the Northern Hemisphere, Lower-Tropospheric, Wintertime Cold Pool
Megs Seeley	Botany and Forest Science	Jack Williams	Shifting Landscapes: An analysis of Riparian Forest Vegetation Pre and Post EuroAmerican Settlement in the Upper Midwest

Sophomore Research Fellowships

Funded by generous grants from the Brittingham Fund and the Kemper K. Knapp Bequest, with additional support from UW-System and the Provost's Office 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
Jer Weann Ang	Food Science	Sean Carroll	Evolution of a Novel Gene Expression Pattern in *Drosophila* Species.
Hamayail Ansari	Undeclared	Jeniel Nett	Immune Evasion by Non-*Albicans Candida* Biofilms
Meredith Braza	Human Development & Family Studies	Kristin Shutts	How Social Categories Affect Infants' Trust and Preferences
Evan Cory	Microbiology	Krishanu Saha	Creation of Transcription Factor Reporter Lines in Human Induced Pluripotent Stem Cells
Will Flanigan	Biomedical Engineering	Pamela Kreeger	The Effect of Genetic Mutations on the Accumulation of DNA Damage and Anoikis Resistance in Ovarian Cancer
Benjamin Hoscheit	Astronomy-Physics, Mathematics and Physics	Amy Barger	Quantifying the Observational Bias Introduced ByA ≈300 Mpc Scale Underdensity in the Local Galaxy Distribution Using Precision Cosmological Data
Mryia Hubert	Undeclared	Sean Schoville	What Maintains Color Pattern Variation within the *Parnassius Clodius* Butterfly?
Teja Karimikonda	Undeclared	Cynthia Czajkowski	High Affinity Binding of Benzodiazepines to Humanized ELIC Versus Wild Type GABA-A Receptor
Chrissy Kujawa	Biomedical Engineering	Kristyn Masters	Recreating Aged Valve Structures to Understand the Causes of Calcific Aortic Valve Disease
Meng Lou	Microbiology	Krishanu Saha	Utilizing Generation of Oncogenic Mutations to Better Understand CRISPR-Cas9 Off-Target Effects

Award Recipient	Major	Faculty Advisor	Project
Stefani Lucarelli	Biochemistry	Samuel Butcher	Mutants of Usb1 in Yeast and their Functionality Compared to the Wild-Type
Steven Oakes	Biomedical Engineering	Chad Vezina	Urinary Function: High Throughput Assay
Elise Penn	Geological Engineering, Geology & Geophysics and Mathematics	Huifang Xu	X-Ray Diffraction Study on Na-Ca Ordering in Ca-Rich Plagioclase Feldspar at High Temperatures.
Vedika Ramesh	Genetics	John Pool	Analyzing FST Values in Olfactory Receptor Genes in Populations of *Drosophila Melanogaster* for Evidence of Local Adaptation
Ann Turcotte	Biology	Joan Jorgensen, Megan Hornung	The Effect of Beta-Catenin Alteration in Female Germ Cells on Irx3 and Irx5 in the Postnatal Ovary
Matthew Westphall	Undeclared	Jonathan Gero	Sea Surface Emissivity and Temperature Measurements from the M-AERI during the ACAPEX Campaign
Sidong Zhong	Economics and Statistics	Steven Durlauf	Estimating the Role of Educational Assortative Mating in Income Mobility and Income Inequality

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
Justin Balog	Biology and English	Sean Bishop	Trapeze Truth
Calla Buttke	Asian Studies, Chinese and German	Cora Lee Kluge	Taking Center Stage: Bringing Light to the Golden Era of the Milwaukee German Theater
Cody Dunn	Computer Sciences and English	Amaud Jamaul Johnson	Excerpt of Poetry on Inheritance and HIV/AIDS
Samantha Floody	Art History	Barbara Buenger	The Third Rome and The Third Reich: How Fascist Architecture Constructed Ideologies in Fascist Italian and Hitler Youth
Leah Fulmer	Astronomy-Physics, Physics and Spanish	Jay Gallagher	NGC 5523: An Isolated Product of Soft Galaxy Mergers?
August Glomski	Anthropology and English	Danielle Evans	The Bird Keepers
Diane Hsieh	Human Development & Family Studies and Psychology	Janet Hyde	The Links between Peer Sexual Harassment Victimization, Adolescents' Math Self-concept, Course Taking, and Career Aspirations
Benjamin Hushek	Biology and Psychology	Stacey Schaefer	Larger Anterior Cingulate Cortex Associated with Greater Empathy and More Reactive Affective Style
Justine Jones	Conservation Biology and English	Annika Konrad	"Tools, Not Rules:" Identity, Empowerment and Standard Written English in the Odyssey Project Writing Classroom
Misty Kabasa	Communication Sciences & Disorders and Linguistics	Joseph Salmons	Acquisition of Gender-Aligned Phonetic Variation: Monophthongization of /aɪ/ in Young Upper Midwestern African American English Speakers (shared award)
Calvin Kosmatka	Linguistics and Mathematics	Joseph Salmons	Acquisition of Gender-Aligned Phonetic Variation: Monophthongization of /aɪ/ in Young Upper Midwestern African American English Speakers (shared award)
Cody Lane	Wildlife Ecology	Benjamin Zuckerberg	Social Status and Ambient Temperature Influence the Daily Foraging Patterns of Wintering Birds
Theoren Loo	Microbiology	Michael Bell	Muddied Waters: Assessing Water Security in Mmangweni Village, South Africa
Lindsay Nigh	English	Judy Mitchell	Figuring It Out
Kayleigh Norgord	English	Ron Kuka	The Scent of It and Other Stories
Kush Patel	Biology and Psychology	Richard Davidson	The Emotional Body: The Intersection Between Embodied Emotional Awareness, Empathy, Alexithymia, Well-Being and Altruism
Ryan Raut	Biology and Psychology	Vivek Prabhakaran	Hypercapnic Evaluation of Vascular Reactivity in Healthy Aging and Acute Stroke via Functional MRI
Trevor Schell	Biology and Spanish	Jon Odorico	Investigating the Immunogenicity of Syngeneically Transplanted Human Induced Pluripotent Stem Cell-Derived Islet-Like Cells in Humanized NSG Mice
Leo Vartorella	Journalism	Judith Claire Mitchell	"How to Forget"
Thejas Wesley	Chemical Engineering	James A. Dumesic	Probing Interfacial Water-Gas Shift Surface Chemistry on Platinum-Molybdenum and Platinum-Ceria Catalysts
Lucas Zarling	Biochemistry, Chemistry and Philosophy	Laura Kiessling	Conferring Complement Activation upon Human Intelectin-1

Award Recipient	Major	Faculty Advisor	Project
Honorable Mention			
Lucas Benish	Mechanical Engineering	Natalie Rudolph	Design of an Aerodynamic Fairing for the University of Wisconsin-Madison Human Powered Vehicle
Nithin Charlly	Biology	Michael Sheets	Analyzing the RNA Binding Properties of Bicaudal-C: a Regulator of Embryonic Development & Organ Formation in Vertebrates.
Courtney Johnson	English	Danielle Evans	"Swell": A Short Story
Aman Nihal	Biomedical Engineering	David Vereide	Function of a Randomly Integrated Inducible System in the Context of Human Embryonic Stem Cells

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.

Recipient	Major
Alexander Fox	Atmospheric & Oceanic Sciences
Phoenix Rice-Johnson	International Studies and Political Science
Honorable Mention	
Alannah Spencer	Anthropology and Music Perfromance
Mikko Utevsky	Music Perfromance

National Scholarships

Recipient	Major	Award
Idris Boukahil	Applied Math, Engineering & Physics, and Physics	Goldwater Scholarship
Bailey Flanigan	Biomedical Engineering	Goldwater Scholarship
Hannah Mast	Biochemistry	Goldwater Scholarship
Thejas Wesley	Chemical Engineering	Goldwater Scholarship
Wilder Deitz	Social Welfare	Truman Scholarship, Finalist
Jacob Roble	Biology	Truman Scholarship, Finalist
Deshawn McKinney	English	Truman Scholarship
Megs Seeley	Botany and Forest Science	Udall Scholarship
Miles Tryon-Petith	Geological Engineering and Geology & Geophysics	Udall Scholarship
Joanna Lawrence	B.A. in Anthropology (2014)	Gates Cambridge Scholarship
Ryan Prestil	Biology and Mathematics	National Institutes of Health Oxford-Cambridge Scholarship
Chandler Davis	Chinese and Economics	Schwarzman Scholarship, Finalist
Bill Mulligan	Biochemistry	Marshall Scholarship, Finalist Rhodes Scholarship, Finalist
Colin Higgins	B.A. in Environmental Studies, Geography, and History (2015); Master of Public Affairs	Rhodes Scholarship Marshall 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 $7,000 for undergraduate study to students with great potential for, and commitment to, a career related to the environment. The Gates-Cambridge Scholarship provides tuition and stipend for completion of a graduate degree at the University of Cambridge. The NIH Oxford-Cambridge Scholarship provides tuition and stipend for an accelerated, individualized doctoral training program in the biomedical sciences at either the University of Cambridge or the University of Oxford, with dual mentorship at the NIH. The Schwarzman Scholarship provides tuition and stipend for a master's degree in public policy, economics and business, or international studies at Tsinghua University in China. The Marshall Scholarship provides tuition and stipend for completion of a graduate degree at any university in the United Kingdom. The Rhodes Scholarship provides tuition and stipend for completion of a second bachelor's or graduate degree at the University of Oxford.